Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

SITE CHARACTERIZATION DATA REPORT

FORMER SPERRY REMINGTON SITE – NORTH PORTION
777 SOUTH MAIN STREET
CITY OF ELMIRA, CHEMUNG COUNTY, NY
NYSDEC PROJECT 808022

Prepared for
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road
Avon, New York 14414-9519

Prepared by
Geosyntec Consultants, Inc. and Its Affiliate
Beech and Bonaparte Engineering, PC
10220 Old Columbia Road, Suite A
Columbia, Maryland 21046

Project Number MN0832
Document Number MD14392

FEBRUARY 2015

Agency Review Draft

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

EXECUTIVE SUMMARY

This Site Characterization Data Report presents results and findings from activities conducted by Geosyntec Consultants, Inc. on behalf of Unisys Corporation (Unisys) in accordance with the Site Characterization Work Plan for the Former Sperry Remington Site – North Portion (Site). The Site is located at the Elmira High School (EHS) property (formerly known as Southside High School), 777 South Main Street in Elmira, Chemung County, New York (see **Figure 1**). The EHS property is approximately thirty-four (34) acres in size. In June 2009, the Elmira City School District (ECSD) prepared an Environmental Management Plan (EMP) to formalize environmental management operations and practices at EHS. The intent of the EMP is to advise construction personnel and general community regarding the potential for exposure to Compounds of Potential Concern (COPC) that may be present in soil, groundwater and soil vapor on EHS property. In June 2013, the New York State Department of Environmental Conservation (NYSDEC) identified potential areas of concern (PAOCs) at the EHS property based on new information related to historical use of the EHS property and previous environmental investigations results. A Site Characterization Work Plan dated July 2014 and revised October 2014 was submitted by Unisys to NYSDEC for collection of data to document environmental conditions at the Site as it relates to PAOCs, historical information, and new findings.

Site Characterization activities presented herein, including former combined industrial sewer inspection, soil investigation, and groundwater investigation, are discussed for the purpose of 1) evaluating the former combined industrial sewer for potential migration pathways to media at the Site; 2) evaluating the nature and extent of constituents of concern in soil and groundwater at the Site; 3) providing findings for the investigated PAOCs and identifying data gaps; and 4) providing recommendations for updating the EMP and conducting additional investigation, if necessary. Other Site Characterization activities to evaluate sub-slab vapor and indoor air quality have been presented previously (Geosyntec, 2014). Based on investigations in July 2014, a vapor mitigation system was designed and installed in the F Wing of EHS in August 2014. Post-installation pressure testing and analytical results collected during the cooling and heating seasons indicated that the vapor mitigation system was effective in reducing indoor air concentrations of COPCs.

The former combined industrial sewer was inspected using geophysical methods and in-line camera surveys. The current EHS stormwater conveyance system, including sections of the former combined industrial sewer system, appeared intact and generally free of fine-grained material. Storm water and chiller water from EHS are discharged to adjacent wetlands to the east through a culvert located on the adjacent property to the south. Portions of the former combined industrial sewer that have not been incorporated into the EHS storm sewer system do not currently appear to be in active operation. The integrity of the easternmost section of the former combined industrial sewer appears compromised as indicated by several observed collapsed areas along the section. The westernmost section has been closed on the adjacent property to the south and is no longer active.

Soil investigation included collection of fifty-four (54) surface soil samples from fifty-four (54) locations (0 to 2 inches below the vegetative cover), forty-eight (48) shallow subsurface soil samples from sixteen (16) locations (0.17 to 3 feet below the ground surface) and one hundred ninety-one (191) subsurface soil samples from forty-two (42) locations (collected from 0.17 feet below the surface to the water table) and analyses for metals, cyanide, pesticides, polychlorinated biphenyls (PCBs), semi-volatile organic compounds (SVOCs) and volatile organic compounds (VOCs). Soil analytical results were compared to Restricted Residential Soil Cleanup Objectives (SCOs) presented in 6 NYCRR Subpart 375.

Analytical results for surface soils exceeded Restricted Residential SCOs for PCBs in six (6) out of fifty-four (54) samples and for polycyclic aromatic hydrocarbons (PAHs) in three (3) out of twenty-two (22) samples. Total PCB concentrations in surface soil that exceed the Restricted Residential SCO one (1) milligram per kilogram (mg/kg) range from 1.02 to 4.3 mg/kg. Those exceedances are limited to areas south of the EHS athletic stands (approximately 0.5 acres) and east of the EHS gymnasium (approximately 0.15 acres). PAH exceedances of Restricted Residential SCOs are limited to the EHS main parking lot and adjacent to the EHS athletic fields. Concentrations of benzo(a)fluoranthene and indeno(1,2,3-c,d)pyrene in surface soil that exceed the Restricted Residential SCO of 1 mg/kg and 0.5 mg/kg, respectively, range from 1.1 to 6.3 mg/kg and from 0.57 to 3.9 mg/kg. The remaining PAH exceedances were from a sample located in an area of the EHS main parking lot that was disturbed at the time of sampling by installation of a new curb around the median.

Subsurface soils had exceedances of Restricted Residential SCOs for metals, PCBs and PAHs. Thirty-seven (37) out of fifty-eight (58) subsurface soil sample locations had at least one (1) SCO exceedance. SCO exceedances for metals in subsurface soils are located primarily in the vicinity of the rear parking lot of EHS that was formerly used as a coal pile (approximately 0.75 acres) and may also contain fly ash and bottom ash from the power plant. SCO exceedances ranging from 1.02 to 690 mg/kg for PCBs in subsurface soils are primarily located in the vicinity of the EHS gymnasium, the rear parking lot that was formerly used as a coal pile, the football field and south of the athletic stands with a combined area of approximately two (2) acres. SCO exceedances for PAHs ranging from 0.38 to 6.9 mg/kg in subsurface soils are primarily located in the EHS main parking lot (approximately 0.7 acres). In comparison to the overall Site area of approximately thirty-four (34) acres, areas with SCO exceedances for metals, PCBs and PAHs are approximately 2.2 per cent (%), 5.8%, and 2.1% of the Site, respectively.

Areas of SCO exceedances for metals and PCBs overlap, resulting in approximately 2.7 acres or eight per cent (8 %) of the overall Site area with SCO exceedances in the subsurface soils. In general, SCO exceedances in subsurface soils at the Site can be managed by following soil management protocols presented in the EMP. Soil management areas presented in the EMP should be updated to include subsurface SCO exceedances found in the main and rear parking lots and north of the EHS F and G Wings. In select areas of the Site (approximately 0.4 acres; 1.2% of Site area), total PCB concentrations in subsurface soils exceed the limit of one hundred (100) milligrams per kilogram (mg/kg) for bulk PCB remediation wastes in low occupancy, capped areas, as defined in 40 CFR §761.3 and §761.6 (TSCA), for self-implementing PCB remediation. Further delineation of total PCBs in soils in those areas is recommended to define areas for potential remedial actions.

Groundwater investigations assessed the condition of the existing monitoring well network and confirmed the direction of groundwater flow. Twenty (20) existing groundwater monitoring wells were found to be in good condition. Similar to historical interpretations, groundwater beneath the Site generally flows east or northeast. The groundwater monitoring network is concentrated to north and east of the EHS building and does not extend to the rear parking lot or the south side of the EHS building where production wells for cooling water are located.

Groundwater quality was assessed by collecting grab water samples from existing monitoring wells and direct push soil boring and comparing groundwater analytical results to NYSDEC groundwater standards. VOCs, including acetone, cis-1,2-dichloroethene (cis-1,2-DCE), Freon 113, tetrachloroethene, and trichloroethene (TCE) were detected above groundwater standards to the east of the K Wing (Science Addition). Detections of cis-1,2-DCE and TCE ranged from seventy-seven (77) to three hundred fifty (350) micrograms per liter (µg/L) and from 0.57 to seventeen (17) µg/L, respectively. TCE was detected in grab samples collected from the north side of the EHS F Wing with concentrations ranging from 5.6 to 8.9 µg/L. SVOCs detected above groundwater standards in grab groundwater samples collected along the east side of the EHS gymnasium included benz(a)anthracene (3.7 to 6.1 µg/L, chrysene (7 to 7.9 µg/L), and indeno(1,2,3-c,d)pyrene (0.28 µg/L). PCBs were detected above groundwater standards to northeast of the EHS gymnasium ranging from 1.4 to 23 µg/L. Installation of new groundwater monitoring wells in the southeastern and southwestern portions of the rear parking lot is recommended to monitor groundwater flow and groundwater quality.

1. INTRODUCTION

1.1 Background

On behalf of Unisys Corporation (Unisys), Geosyntec Consultants, Inc. and its New York affiliate Beech and Bonaparte Engineering, P.C. (collectively Geosyntec) are submitting this Site Characterization Data Report (SC Data Report) for the Former Sperry Remington Site – North Portion, Site #808022 (Site) in accordance with the Order on Consent and Administrative Settlement (AOC) with the New York State Department of Environmental Conservation (NYSDEC) for the Site approved by NYSDEC on 7 July 2014. The Site is located at the Elmira High School (EHS) property (formerly known as Southside High School), 777 South Main Street in Elmira, Chemung County, New York (see **Figure 1**). The EHS property is approximately thirty-four (34) acres and as shown on **Figure 2** is bounded by South Main Street to the west, the Southern Tier Commerce Center (STCC) to the south, the Consolidated Rail Corp. property to the east and vacant land to the north. Miller Pond is located approximately one thousand (1,000) feet to the east.

A Preliminary Site Assessment (PSA) for the entire Former Sperry Remington Site was completed in 1988 on behalf of Unisys and submitted to NYSDEC (Dames & Moore, 1988). The EHS property has been the subject of additional environmental investigations between 1998 and 2013.

In June 2009, the Elmira City School District (ECSD) prepared an Environmental Management Plan (EMP) in response to a request from the State Education Department (SED) to formalize environmental management operations and practices at EHS. NYSDEC and the New York State Department of Health (NYSDOH) provided technical assistance to SED in development and review of the EMP. The intent of the EMP is to advise construction personnel and general community regarding the potential for exposure to Compounds of Potential Concern (COPC) that may be present in soil, groundwater and soil vapor on EHS property (Sterling, 2009). The components of the EMP include a Soil Management Plan (SMP), Indoor Air Quality Action Plan (IAQAP), Groundwater Management Plan (GMP), and an Operations, Monitoring and Maintenance (OM&M) Plan for Engineering Controls. The following presents a brief description of each component:

- The SMP addresses issues relating to the management of soil during future development or construction on the property; proposed and existing cover systems (engineering controls) used to prevent human contact with potential residuals in soil and to reduce the potential for COPC migration with surface water runoff from the EHS property; and guidelines and procedures established for management of soil/fill and cover systems, including site preparation, excavations, underground storage tank (UST)/buried drum handling, soil characterization procedures, and composite soil sampling. The SMP defined soil management areas for groups of COPCs including metals, polychlorinated biphenyls (PCBs), and volatile organic compounds (VOCs)/semi-volatile organic compounds (SVOCS).

- The IAQAP addresses issues and conditions contributing to indoor air quality in the EHS Main Building. It also establishes procedures to monitor sub-slab differential pressure and a program for sampling and evaluating indoor air and sub-slab vapor in the EHS Main Building. Past, present and future steps for protection of indoor air quality include positive pressurization by the heating, ventilation and air conditioning (HVAC) system, sub-slab depressurization, vapor barriers, air and vapor monitoring and chemical storage.
- The GMP addresses groundwater monitoring well maintenance and sampling and provides guidelines for managing and handling groundwater encountered during excavations.
- The OM&M Plan describes engineering controls that have been implemented including a soil cover system, and vapor barrier systems and sub-slab depressurization systems in the Gym and the Science Addition. Procedures for inspecting, evaluating and maintaining those systems are also identified.

The SMP defined soil management areas for groups of COPCs including metals, polychlorinated biphenyls (PCBs), and volatile organic compounds (VOCs)/semi-volatile organic compounds (SVOCS) based on results of previous investigations. Annual Certification Reports (ACRs) have been submitted to SED and copied to NYSDEC by ECSD to document EMP compliance (Sterling, 2011, 2012, 2013). In June 2013, NYSDEC identified potential areas of concern (PAOCs) at the EHS property based on new information related to historical use of the EHS property and previous environmental investigations results.

A Site Characterization Work Plan (Work Plan) dated July 2014 and revised October 2014 was submitted to NYSDEC to collect data to document environmental conditions at the Site as it relates to PAOCs, historical information, and new findings (Geosyntec, 2014a). The Work Plan was approved by NYSDEC on 2 December 2014. The specific objectives of the Work Plan included the following:

- Confirm historic detection of COPCs;
- Verify that concentrations of COPCs in cover soils are below standards, criteria, and guidance (SCGs);
- Validate that concentrations of COPCs in media do not pose an immediate risk to human health and the environment;
- Document waste disposal at the Site;
- Define the nature and extent of COPCs in media related to waste disposal at the Site; and
- Evaluate PAOC as potential sources, estimate contaminant mass and migration pathways or points of exposure.

PAOCs identified by NYSDEC and the scope of investigation proposed in the Work Plan for each PAOC are summarized on **Table 1**. The scope of work included former combined industrial sewer inspection, soil investigation, groundwater investigation, sub-slab vapor investigation, and indoor air investigation. The approximate location and extent of each PAOC identified by NYSDEC is shown on **Figure 3**. Other PAOCs identified by NYSDEC are being addressed by Unisys under AOCs for the Former Sperry Remington Site (NYSDEC Site #808043) and the Former Scott Technologies Site (NYSDEC Site #808049).

Implementation of the Work Plan was expedited in order to complete most field activities and obtain preliminary results prior to start of classes at EHS on 3 September 2014. Indoor air and sub-slab vapor investigations were conducted in July 2014. Based on those investigations, a vapor mitigation system was designed and installed in the F Wing of EHS in August 2014. Post-installation pressure testing and analytical results collected during the cooling and heating seasons indicated that the vapor mitigation system was effective in reducing indoor air concentrations. Results of the indoor air and sub-slab vapor investigations and construction of the vapor mitigation system have been presented previously in Vapor Intrusion Assessment and Mitigation Report (VI Report) submitted to NYSDEC and NYSDOH for review on 3 October 2014 (Geosyntec, 2014b). Verification of previous COPC analytical results in surface and shallow sub-surface soils were also conducted in July 2014 in order to confirm that COPCs did not pose an immediate risk to human health and the environment prior to the start of classes. NYSDEC and NYSDOH provided oversight and review during field activities. Changes requested by NYSDEC/NYSDOH in the field were incorporated into a revised Work Plan submitted to NYSDEC on 27 October 2014.

1.2 Purpose

This SC Data Report presents activities conducted in accordance with the Work Plan for the former combined industrial sewer inspection, soil investigation, and groundwater investigation and a discussion of data collected as part of those investigations conducted to date. Data presented herein will be discussed for the purpose of:

1. Evaluating the former combined industrial sewer for potential migration pathways to media at the Site;
2. Evaluating the nature and extent COPC in soil and groundwater at the Site;
3. Providing findings for the investigated PAOCs and identifying data gaps; and
4. Providing recommendations for updating the EMP and conducting additional investigation, if necessary.

Activities completed and data collected for the sub-slab vapor investigation, high-volume sampling testing, and indoor/outdoor air investigation portions of the Work Plan have been presented previously in the VI Report (Geosyntec, 2014b) submitted to NYSDEC and NYSDOH for review on 3 October 2014.

2. FIELD ACTIVITIES

Field activities were conducted between 21 July and 13 November 2014. The following sections describe those field activities performed. Unless otherwise described below, field activities were performed in accordance with the Work Plan and corresponding Quality Assurance Project Plan/Field Sampling Plan (QAPP/FSP). Significant deviations from the Work Plan are described in Section 2.5.

2.1 Former Combined Industrial Sewer Inspection

The inspection of the former combined industrial sewer (AOC-2) consisted of a comprehensive subsurface utility (CSUL) survey and in-line camera surveys. The extent of the former combined industrial sewer and piping infrastructure investigated is shown on **Figure 4.** The inspection builds upon previous inspections of storm sewer connections constructed prior to, and as part of, EHS construction. Those include storm sewer inspections conducted as part of the Interim Remedial Measure (IRM) Pre-Design Investigation (Geosyntec, 2013) for the Former Sperry Remington Site (NYSDEC Site #808043).

2.1.1 Comprehensive Subsurface Utility Survey

New York Leak Detection, Inc. (NYLD) completed a comprehensive utility survey on 25 August 2014 to evaluate access to storm sewer piping via surface structures (e.g., catch basins, manholes) and locate the piping segments connecting the structures. Piping was located using a tracer line and sonde designed to detect the tracer from ground surface. Ground Penetrating Radar (GPR) was also used south of the G Wing of EHS to locate storm sewer connections to the STCC property to the south but was not successful at identifying the piping due to suspected pipe depth and subsurface conditions beneath the Site. The field report of the CSUL survey, including a schematic of the current storm sewer system based on field observations, is included as **Appendix A**.

2.1.2 In-line Camera Surveys

In-line camera surveys of the former combined industrial sewer were conducted by Kandey Company Inc. (Kandey) between 9 and 11 September 2014. The extent and direction of the in-line camera surveys are shown on **Figure 4**. Storm sewer lines that were likely to have existed prior to school construction were selected for survey after review of the CSUL survey and historical school construction plans provided by NYSDEC. In-line camera surveys were conducted by lowering a robot crawler equipped with a video camera down a given surface structure (i.e. manhole or catch basin) into the connecting storm water pipe. The crawler was advanced down the pipe to the next structure and video was obtained of the pipe interior. When an obstruction (e.g. debris) was encountered, attempts were made for the crawler to advance around or over the obstruction. Due to obstructions encountered between structures CB-3 and CB-2, the robot crawler and camera were removed from the pipe and attempts were made to clear the blockage by flushing the pipe with water. Flushed water was recovered using a vacuum truck at a downgradient structure and transferred to a holding tank onsite for offsite disposition. The robot crawler was then reintroduced into the pipe to continue the survey. No attempts were made to clear pipes that were either collapsed or blocked by bulkheads. In such cases, the pipes were surveyed by approaching the blocked section of pipe from both ends. The survey length was calculated to be the distance between the entry structure and the point where blockage was encountered and the survey was abandoned. A summary of the observations noted during the surveys is presented in **Table 2** and further discussed in Section 4.1. Inspection reports developed by Kandey and video for each run are included for reference as **Appendix B**.

As part of the combined industrial sewer inspection section 5.1.3 of Work Plan called for inspection of manhole SW-73 and sampling if accumulated fine-grained material was encountered. However, the manhole could not be located for inspection or sampling and, as a result, those tasks could not be completed.

2.2 Soil Investigation

The soil investigation addressed data gaps in soil data at the Site as evaluated through the draft Conceptual Site Model (CSM) presented in the Work Plan based on historical soil analytical data and PAOCs identified by NYSDEC. This soil investigation included:

- Surface soil sampling (beneath the vegetative cover to approximately two (2) inches) for comparison to Restricted Residential Soil Cleanup Objectives (SCOs), presented in 6 NYCRR Subpart 375;
- Shallow subsurface soil sampling to depths of three (3) feet beneath vegetative cover to verify and delineate PCB and VOC soil management areas presented in the EMP; and
- Subsurface soil sampling to confirm historic detections of COPCs in soil, document waste disposal (if any), define the nature and extent of soil COPCs, and evaluate PAOCs as potential sources, potential migration pathways and potential points of exposure.

Surface soil sampling and shallow subsurface soil boring installation and sampling were completed on 21 and 22 July 2014 in order to provide preliminary results to NYSDEC and NYSDOH in the event that interim measures would be needed prior to the start of classes at EHS in September 2014. Subsurface soil boring installation and sampling were completed between 11 and 15 August 2014. Details regarding those methods used during the soil investigation are further described in the sections below.

2.2.1 Pre-Sampling Field Survey

Prior to initiating field sampling activities for each event, a field reconnaissance was completed to locate proposed soil sample locations and evaluate access at each location. A handheld Trimble GeoXH series global positioning system (GPS) unit with sub-meter accuracy was pre-loaded with the proposed sample coordinates and was used to navigate to each location. Once located, each proposed location was flagged. Utility surveys were then conducted by NYLD at each location where invasive investigation activities deeper than six (6) inches were performed in order to clear underground utilities, structures, or debris that may affect the investigation or may present health and safety or property damage risks. An area within a five-foot radius of each proposed location was cleared and utilities in the vicinity were marked, if present. If utilities conflicts were identified as potential hazards or access was problematic, sample locations were adjusted from those proposed. Locations of soil samples collected as part of the soil investigation are shown on **Figure 5**.

2.2.2 Surface Soil Sampling

Samples of surface soil (defined as soil zero to two (0 - 2) inches below the vegetative cover) at eighteen (18) locations to verify PCBs, SVOCs, and/or metals in cover soils meet the Restricted Residential SCOs. A summary of samples collected and analyses performed is presented on **Table 3A**. The locations of surface soil samples are shown on **Figure 5**.

To collect surface soil samples, a small section of sod from each location was cut and laid to the side. Plastic sheeting was placed over the sampling location and a hole was cut in the plastic sheeting large enough to allow a hand auger to pass. A hand auger was then used to advance a hole in the soil approximately two (2) inches below ground surface (bgs). The soil retrieved was visually inspected and screened with a photoionization detector (PID) equipped with an 11.7 eV lamp. Following field screening, the soil was homogenized, placed in laboratory-provided sample containers for shipment to, and analyses at, the TestAmerica Pittsburgh Laboratory in accordance with the QAPP/FSP. Each two (2) inch deep hole was filled with commercially available topsoil and the sod was replaced.

2.2.3 Shallow Subsurface Soil Boring Installation and Soil Sampling

Sixteen (16) shallow soil borings (approximately three (3) feet deep) were installed to verify and delineate PCBs or VOCs previously detected in surface or shallow subsurface soils at four (4) historical sample locations. These locations included the following:

- SSHS-FB7 and SSHS-B15, for verification of PCBs historically identified in subsurface soils;
- SSHS-SS12, for verification of PCBs historically identified is surface soils; and
- SSHS-FB5, for verification of trichloroethene (TCE) in shallow subsurface soils.

At each location, one (1) confirmatory boring and up to four (4) step out borings were installed. A summary of the samples collected and the analyses performed is presented on **Table 3B**. The locations of the shallow subsurface soil borings are shown on **Figure 5**.

To collect soil samples, shallow subsurface soil borings were advanced to approximately three (3) feet bgs using Direct Push Technology (DPT). First, a small section of sod from each location was cut and laid to the side and plastic sheeting was placed over the sampling location.

A hole was cut in the plastic sheeting large enough to allow the drill tooling to pass and a continuous soil core was collected in an acetate liner by the DPT rig. The liner was retrieved from the DPT tooling and opened and collected soil was logged and screened with a PID at approximately six (6) inch intervals. Each soil boring was divided into four (4) segments: zero to two (0-2) inches bgs, 0.17-1 feet bgs, one to two (1-2) feet bgs, and two to three (2-3) feet bgs. The sampling interval 0.17 -1 feet bgs was added at the request of NYSDEC during sampling. If PID readings were above background, samples were collected from the zone in each segment exhibiting the highest PID readings (if applicable), visual observation (e.g. staining), or presence of odors. If PID readings were not higher than background and no staining or odors were observed, the sample was collected from the middle of each segment.

For the SSHS-FB5 area, grab samples for VOC analyses were collected directly from the acetate sleeve within the desired sample interval using a Terra Core sampling kit. For other areas that required PCB sample collection only, soil in each interval was collected directly from the acetate sleeve, homogenized, and placed in laboratory-provided sample containers. Following collection, samples were handled in accordance with the QAPP/FSP and shipped to the TestAmerica Pittsburgh Laboratory for analyses.

2.2.4 Subsurface Soil Boring Installation and Soil Sampling

Subsurface soil borings were installed at forty-two (42) locations to confirm historic detections of COPCs in soils, document waste disposal, define the nature and extent of soil COPCs, and evaluate PAOCs as potential sources, potential migration pathways and potential points of exposure. A summary of borings installed at each PAOC, rationale for sample collection, samples collected, and analyses performed is presented on **Table 3C**. The locations of the subsurface soil borings are shown on **Figure 5**. Boring logs for each subsurface boring are included in **Appendix C**.

Similar to shallow subsurface samples described in Section 2.2.3 above, soil samples from subsurface soil borings were collected using DPT. Each DPT boring was advanced to a terminal depth corresponding with the water table (on average 15 feet below ground surface) or equipment refusal, which ever was encountered first. Borings were installed at each location by first placing plastic sheeting over the sampling location. A hole was cut in the plastic sheeting large enough to allow the drill tooling to pass and a continuous soil core was collected in an acetate liner by the DPT rig. The liner was retrieved from the DPT tooling and opened and collected soil was logged and screened with a PID at approximately six (6) inch intervals. Each soil boring was divided into five (5) segments: 0-2 inches bgs, 0.17-2 feet bgs, two to six (2-6) feet bgs, six to ten (6-10) feet bgs, and ten (10) feet bgs to the shallow water table. A sample from the surface soil segment (0-2 inches bgs) was not collected if asphalt covered the ground surface. If PID readings were above background, samples were collected from the zone in each segment exhibiting the highest PID readings (if applicable), visual observation (e.g. staining), or presence of odors. If PID readings were not higher than background and no staining or odors were observed, the sample was collected from the middle of each segment. Following field screening and visual observation, grab samples for VOC analyses were collected directly from the acetate sleeve within the desired sample interval using a terra core sampling kit. After VOC sample collection, remaining soil in each interval was collected from the acetate sleeve, homogenized, and placed in laboratory-provided sample containers for analyses of the non-volatile COPCs. Following collection, samples were handled in accordance with the QAPP/FSP and shipped to the TestAmerica Pittsburgh Laboratory for analyses.

2.2.5 Borehole Abandonment and Decontamination

Each borehole installed by DPT tooling was abandoned with bentonite chips to within two (2) inches of the ground surface, topped with commercially available topsoil, and sod was replaced (if present). For borings installed through asphalt, the asphalt surface was repaired with asphalt cold patch at each location. Between sampling locations, all reusable equipment was cleaned using the procedures described in the QAPP/FSP.

2.3 Groundwater Investigation

Site groundwater was investigated by collecting groundwater samples from select historical monitoring wells and DPT soil borings installed around the perimeter of the school building. A summary of historical monitoring wells and direct push borings sampled, collection rationale, and analyses performed is presented on **Table 4**. Locations of historical monitoring wells located during the investigation, and direct push groundwater sampling locations are depicted on **Figure 6**. Groundwater investigation methods are described below.

2.3.1 Well Inspection and Synoptic Water Level Measurement

Prior to sample collection, identification of up to twenty-eight (28) historical monitoring well locations identified in the Work Plan was attempted to verify well existence and perform well inspections to document monitoring well conditions and evaluate if the well was suitable for groundwater sampling (if applicable). Well inspection results are summarized on **Table 5**. In summary, twenty-two (22) monitoring wells were located and inspections were performed. Monitoring wells MW-28, MW-29, MW-14, MW-6, MW-8D and MW-D were not located. Twenty (20) monitoring wells were noted to be in good condition with only two (2) of the monitoring wells (MW-7 and MW-16) being reported in poor condition. An outer protection casing was not present at MW-16, the inner casing and plug was covered by rocks and soil, and appeared to be damaged by automobile traffic. In contrast to MW-16, an outer protective casing was present at MW-7; however, it was not bolted and the inner PVC casing was not capped. Although in poor condition, both MW-7 and MW-16 were dry during the inspections and are unlikely to be used for future groundwater sampling. Horizontal locations and reference point elevations of the existing monitoring wells were surveyed by Fagan Engineers and Land Surveyors (Fagan), a New York licensed land surveyor, on 10 September 2014. Survey results are presented in **Table 6**.

To measure the depth of the shallow water table across the Site and monitor for the presence of light non-aqueous phase liquid (LNAPL), a synoptic water level survey was performed with an oil-water interface meter at those monitoring wells shown in **Figure 6**. The survey was performed on 13 November 2014 by measuring the depth to water and LNAPL (if present) from the well reference point on the inner well casing to the nearest hundredth of a foot using a clean electronic oil-water interface meter. Results from the synoptic survey are summarized on **Table 6** and are discussed in Section 4.5.

2.3.2 Low-Flow Groundwater Sampling

In accordance with the approved Work Plan, groundwater sampling was completed at seven (7) historical monitoring wells (MW-8S, MW-10, MW-13, MW-30, MW-34, MW-38, and MW-41) on 20 through 22 August 2014, using low-flow sampling protocols detailed in the QAPP/FSP. A summary of samples collected and analyses performed is presented on **Table 4**. The location of the each monitoring well sampled is shown on **Figure 6**.

Monitoring wells were purged at low-flow rates (between one-tenth (0.1) and one-half (0.5) liters per minute) to minimize drawdown of the surrounding water table and minimize stress on the formation. Water was purged from the wells with a cleaned bladder pump and monitored for the following water quality field parameters: temperature, pH, specific conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), and turbidity to document changes in water quality. Samples were collected when three (3) consecutive readings were within field parameter stabilization criteria. Samples were collected directly from the pump discharge tubing and placed directly in laboratory-provided pre-preserved sample containers for shipment to, and analyses at, the TestAmerica Pittsburgh Laboratory in accordance with the QAPP/FSP. Following sampling, purging equipment was removed from the monitoring well and reusable equipment was decontaminated using the procedures described in the QAPP/FSP. Groundwater sampling purge logs have been included as **Appendix D**.

2.3.3 Direct-Push Groundwater Sampling

Grab groundwater samples were collected using DPT methods at select soil boring locations on 12 and 13 August 2014. A summary of the samples collected, analyses performed, and sampling rationale is presented on **Table 4**. The location of each grab sample is shown on **Figure 6**. Samples were collected using the procedures described below.

Following DPT borehole installation and soil sample collection as described in section 2.2.4, groundwater samples were collected by inserting clean DPT sampling rods equipped with an expendable drive-point and extendable four- (4-) foot long stainless steel screen (DPT groundwater sampling apparatus). The DPT groundwater sampling apparatus was not installed directly into the soil boring used for soil sample collection, but rather within two to three (2-3) linear feet of the soil boring location. The DPT groundwater sampling apparatus was installed to a depth that was approximately six to seven (6-7) feet below the approximate water table depth identified during soil boring installation. Once the desired depth was reached, the DPT rods were retracted four (4) feet to expose the stainless steel screen and allow groundwater to enter.

Once retracted, the sampling apparatus was allowed to sit for at least ten (10) to minutes to allow sufficient time for groundwater to enter the temporary screen.

After at least ten (10) minutes, a minimum of three (3) temporary well volumes were purged prior to filling sample containers to reduce sample turbidity and draw formation quality water into the temporary screen. Groundwater purging and sample collection was completed using a peristaltic pump and Teflon tubing. Once purging was complete, water quality parameters (i.e., temperature, specific conductance, DO, ORP and turbidity) were measured using a calibrated water quality meter. Groundwater samples were obtained by directly filling clean, laboratory-provided sampling containers directly from the discharge tubing in accordance with the QAPP/FSP. Following sample collection, the DPT rods and screen were removed from the boring and the boring was abandoned as described in Section 2.2.5. The DPT tooling, screen, and other reusable equipment were cleaned between sampling locations as described in the QAPP/FSP.

2.4 Other Project Support Activities

2.4.1 Soil Boring and Monitoring Well Surveying

Following the completion of field sampling activities, a handheld Trimble GeoXH series GPS unit with sub-meter accuracy was used to collect horizontal coordinates of the actual soil boring locations. Survey markers and flagging were removed from the Site upon completion of the survey.

Fagan, a New York licensed land surveyor, surveyed the horizontal location and elevation of those twenty-two (22) existing groundwater monitoring wells located during the well inspection survey (see Section 2.3.1) on 10 September 2014. Surveyed locations were accurate to plus or minus one-hundredth (0.01) of one-foot vertically and plus or minus one-tenth (0.1) of a foot horizontally. Horizontal data were reported in reference to the North American Datum 1983 (NAD83) New York State Plane; vertical data were reported in reference to the North American Vertical Datum 1988 (NAVD88). Monitoring well elevations were measured at a reference point at the north side of the top of each inner well casing to the nearest one-tenth (0.1) foot. Location and elevation data provided by Fagan for each monitoring well are summarized on **Table 6**.

2.4.2 Management of Investigation Derived Materials

Investigation Derived Materials (IDM) generated during site characterization activities included disposable personal protective equipment (PPE), disposable sampling equipment, miscellaneous disposables that came in contact with investigation media, soil boring cuttings, decontamination water, purge water, and water collected during the combined industrial sewer cleanouts. All but the water collected during the combined industrial sewer inspection was containerized in fifty-five (55-) gallon Department of Transportation (DOT)-approved drums (drums) for characterization and offsite disposal. In total, four (4) drums of combined PPE, disposable sampling equipment, and miscellaneous disposables, three (3) drums of soil cuttings, and three

(3) drums of purge and decontamination water were generated during characterization activities. The drums were staged onsite in a Conex shipping container (used for equipment storage and work trailer) for temporary storage. In addition, approximately five hundred (500) gallons of water was collected from the sewer during the former combined industrial sewer inspection and transferred to a holding tank onsite for offsite disposition.

Composite samples were collected from drummed soil and purge/decontamination water to characterize IDM for offsite disposal. Samples were analyzed for RCRA characteristic waste parameters (i.e. Toxicity Characteristic Leaching Procedure analyses, ignitibility, corrosivity, and reactivity) as well as for PCBs and diesel range organics. Laboratory analytical results included in **Appendix E** indicate containerized IDM is RCRA non-hazardous. IDM, including the water collected from the former combined industrial sewer, remains staged onsite awaiting offsite disposal.

2.5 Work Plan and QAPP/FSP Deviations

The following deviations from the Work Plan and/or QAPP/FSP are noted:

- For DPT groundwater sampling, depth to water measurements were intended to be measured every five (5) to ten (10) minutes to evaluate groundwater recovery; however, the electronic oil/water interface probe was too large to fit down the inner DPT tooling and those measurements could not be collected. Although groundwater recovery was not documented by depth to water measurements, the borings produced adequate groundwater to purge a minimum of three (3) volumes from the sample intervals and fill required sample bottles.

- As part of the combined industrial sewer inspection, Section 5.1.3 of the Work Plan called for inspection of manhole SW-73 and sampling if accumulated fine-grained material was encountered. However, the manhole could not be located for inspection or sampling, and as a result, those tasks could not be completed.

3. DATA USABILITY

Analytical data packages generated by TestAmerica during Site Characterization activities presented herein are included in **Appendix E** and were validated by Geosyntec. Analytical data packages were reviewed for completeness, field and laboratory QC sample results were evaluated, significant laboratory control problems were assessed, and data qualifiers were assigned. Data validation was performed on analytical data generated during the Site Characterization to verify and validate the usability of those data. Stage 4 validation was performed on approximately five per cent (5%) of soil samples (sixty-two (62) samples) and one hundred percent (100%) of groundwater samples. Stage 2A validation was performed on those remaining soil samples. Verification and validation were based on completeness and compliance checks of sample receipt conditions, both sample-related and instrument-related QC results, recalculation checks, and review of actual instrument outputs. Data validation reports, delivered on 10 November 2014, are included in **Appendix F** and indicate qualification of data based on sample-related QC results. All data were found to be suitable for their intended use, except as noted in the validation reports.

4. RESULTS AND DISCUSSION

Results of the former combined industrial sewer inspection, soil investigation, and groundwater investigation conducted for Site Characterization are presented and discussed in the following sections. Results of the sub-slab vapor investigation, high-volume sampling testing, and indoor/outdoor air investigation conducted for Site Characterization have been presented previously in the VI Report (Geosyntec, 2014b) submitted to NYSDEC and NYSDOH for review on 3 October 2014.

4.1 Former Combined Industrial Sewer Inspection

The extent of the former combined industrial sewer and piping infrastructure investigated during the in-line camera survey is shown on **Figure 4** and a summary of the observations noted during the survey is presented in **Table 2**. Inspection reports developed by Kandey and video for each survey run are included for reference in **Appendix B**. General findings from in-line camera surveys are summarized as follows:

- The thirty-inch (30-in) former combined industrial sewer line running along the eastern side of the Site was surveyed from north of CB-24 to south of CB-3. The direction of storm water flow is assumed to be to the south. That sewer line is blocked and/or compromised in several areas. These areas are shown on **Figure 4**. During the camera survey the main line was observed to be predominantly dry upstream of CB-2 but contained water, fine-grained material, and debris downstream from CB-2. A sample of fine-grained material was not collected due to the distance at which the fine-grained material was encountered and the amount of water and debris present. The line is blocked at the northern end past CB-24 and collapsed at multiple locations along its run. The line branches to the south southeast of CB-3. The eastern branch is closed off with a brick bulkhead (i.e., a wall built to block flow) and the western branch was not accessible approximately forty-two (42) feet south of the branching. The compromised structural integrity of that combined industrial sewer line suggests that it is currently not in operation.

- Sewer lines from CB-3 to the southwest and south southwest towards the school building were also collapsed and closed off with a bulkhead. It is assumed that the direction of storm water flow is toward CB-3. The compromised structural integrity and blockage of those sewer lines suggests that they are currently not in operation.

- A twelve-inch (12-in) sewer line was surveyed from CB-1 toward CB-8. It is assumed that the direction of storm water flow is from CB-8 to CB-1. The line was observed to contain dry fine-grained material and gravel. Approximately seven (7) feet from CB-1, the 12-in line was observed to join with a ten-inch (10-in) line, continuing for approximately sixteen (16) feet where it was noted to be collapsed. The compromised structural integrity of that sewer line suggests that it is currently not in operation.

- The 30-in former combined industrial sewer line in- between the school building and the athletic field was surveyed between CB-9 and CB-5. That sewer line was observed to contain dry fine-grained material, gravel, and rocks in the line section between one hundred and ninety (190) feet and two hundred (200) feet from CB-9 toward CB-5. At CB-5, the invert from CB-9 appeared higher than the invert to CB-4 suggesting that the stormwater from the main parking lot area that is collected in CB-9 is conveyed through CB-5 toward CB-6 and eventually south of the Site to STCC property.

- Upstream connections to CB-9 were surveyed from CB-13, CB-18, CB-19 and CB-20. Those connections collect storm water from the football field, the main parking lot and the main entrance. Sewer lines were observed to be intact and drains were generally observed to be dry. Fine-grained material and mud were observed in the sewer line between CB-18 and CB-17 at a distance of approximately sixty-three (63) feet. Two (2) four-inch taps were observed at a distance of approximately seventy (70) and seventy-five (75) feet. Review of historical school construction plans suggests that those taps are roof drain connections.

- The thirty-three-inch (33-inch) former combined industrial sewer line east of the gymnasium was surveyed from CB-4 to CB-6. That line was dry and intact. As noted on **Table 2**, the combined industrial sewer line south of CB-6 was surveyed previously (Geosyntec, 2013). Storm water flow is assumed to be to the south toward STCC. The combined industrial sewer line was observed to be intact and is part of the current EHS storm sewer system.

- The twelve-inch (12-inch) sewer line at the south end of the rear parking lot was inspected from CB-7 until the line joined the 48-inch line south of CB-6. That line was dry and intact. The 48-inch line south of CB-6 was surveyed previously (Geosyntec, 2013) and was observed to be free of fine-grained material and debris. The 48-inch line connects to an eight (8) to twelve (12)-foot diameter covered concrete culvert on the STCC property that discharges to the adjacent wetlands to the east.

- The twenty-four-inch (24-inch) sewer line south of the EHS building was surveyed from CB-6 to CB-23 including the branch line to CB-21. Storm water flow is assumed to be toward CB-6. The branch line from CB-21 was observed to be dry and intact. The survey from CB-6 towards CB-22 was terminated at a distance of approximately 166 feet due to obstructions in the line and cascading flow. That flow is assumed to be coming from the chiller (See camera survey video from CB-6 to West Connection (chiller) in **Appendix B**. Due to the obstruction, the reverse survey was completed from CB-22 for a distance of approximately one hundred thirty-five (135) feet. Rocks observed in the line appear to be the source of obstruction and the cascading overflow of chiller water. The line from CB-6 to CB-22 was observed to be intact and carries the chiller water discharge to CB-6.

- The former combined industrial sewer line along the western end of the Site was surveyed from CB-25 on the STCC property toward the Site. It is assumed that the direction of storm water flow is to the south toward CB-25. The sewer line was closed off with a bulkhead just north of CB-25, suggesting that that sewer line is currently not in operation. The portion of the line that is on the EHS property could not be located from the ground surface with GPR geophysical tools. Based on the bulkhead, there does not appear to be a current pathway from the Site to STCC via that sewer line.

4.2 Lithology

Soil lithology was observed and recorded during site characterization activities. Boring logs for subsurface borings are presented in **Appendix C**. Generally, lithology observed during investigation activities was similar to with historical geologic interpretations for the Site (Sterling, 2009).

Descriptions of Site geology have been presented previously in the EMP and references therein. Generalized cross-sections for the Site were prepared, incorporating historical lithological data as well as data collected during site characterization activities (see boring logs in **Appendix C**). Cross-section alignments are depicted on **Figure 6**. The lithology along the eastern boundary of the Site is presented on cross-section A-A’ on **Figure 7A**. Cross-section B-B’ presents the lithology on the western side of the Site as shown on **Figure 7B**. The lithology underlying the central portion of the EHS building from the gymnasium in the east to the F Wing in the west is presented as cross-section C-C’ on **Figure 7C**.

A stratigraphic layer comprised of reworked native soils and fill material was encountered from the surface to approximately six (6) feet bgs (thickness varies). That fill unit is composed of primarily medium-to-fine sand with silt and medium-to-fine gravel and includes some red brick, concrete fragments, and wood debris. A dark gray/black ash-like layer was noted as generally five (5) to six (6) feet thick and was encountered in most borings beneath the rear parking lot. Observation of this ash-like layer is coincident with a former coal pile in the vicinity that may include fly ash and bottom ash from the power plant, as noted on Figure 18 of the PSA (Dames and Moore, 1988).

Two (2) continuous stratigraphic units were observed to underlie the fill unit. The upper unit is post-glacial outwash, consisting of gray-brown fine sand and sub-rounded to round coarse-to-fine gravel. The post-glacial outwash unit extends from approximately six (6) feet bgs to approximately thirty-eight (38) feet bgs.

The second unit is a glacio-lacustrine silt and clay. That unit appears to be relatively impermeable and consists of soft, gray-brown silt and clay, and extends from approximately thirty-eight (38) feet to approximately seven-eight (78) feet bgs in undisturbed areas. The top of weathered bedrock underlies the lacustrine unit and overlays competent shale which dips to the north.

4.3 Water Level/LNAPL Measurements and Potentiometric Surface

A synoptic groundwater level survey was completed on 13 November 2014 (see Section 2.3.1) and data are summarized on **Table 6**. Those data show that the water table beneath the site generally occurs at a depth of approximately fourteen to sixteen (14 to 16) feet bgs. A generalized potentiometric surface map of shallow groundwater elevations is presented on **Figure 8** and shows, similar to historical interpretations, that groundwater beneath the Site generally flows east or northeast. The potentiometric surface appears to be relatively flat with an average hydraulic gradient of 0.006 foot per foot (ft/ft). The groundwater monitoring network does not extend to the south side of the EHS building where two (2) production wells for cooling water are located.(see **Figure 8**). Those wells are approximately thirty (30) feet deep with pumping rates reportedly up to approximately six hundred (600) gallons per minute and drawdown of approximately 3.6 feet (Moody, 2000).

A thin film of LNAPL was measured at monitoring well MW33, located within the former petroleum remediation area that was performed by NYSDEC. LNAPL was not detected in any of the other monitoring wells gauged on 13 November 2014.

4.4 Nature and Extent of Constituents of Potential Concern

The following sections summarize the nature and extent of COPCs detected in soil and groundwater samples collected as part of Site Characterization activities presented herein. Soil analytical results are compared to Restricted Residential SCOs presented in 6 NYCRR Subpart 375, based on those environmental management strategies for soils presented in the EMP. **Table 7** presents Restricted Residential SCOs for soil constituents analyzed for during this Site Characterization. Soil COPCs identified in the Work Plan are highlighted on **Table 7** based on their exceedance of Restricted Residential SCOs in previous investigations. Total PCB concentrations in soil are also compared to the limit of one hundred (100) milligrams per kilogram (mg/kg) for bulk PCB remediation wastes in low occupancy, capped areas, as defined in 40 CFR §761.3 and §761.6 (TSCA), for self-implementing PCB remediation. TSCA limits are not presented as soil cleanup goals but are to be considered for PCB delineation. Groundwater analytical results are compared to NYSDEC *Technical Operational Guidance Series (TOGS) 1.1.1* (NYSDEC, 1998).

4.4.1 Surface Soil

Analytical results from surface soil samples (0-2 inches bgs) are summarized on **Table 8** and compared to Restricted Residential SCOs presented in **Table 7**. Of fifty-four (54) surface soil samples collected, nine (9) had at least one (1) exceedance of Restricted Residential SCOs. COPC concentrations in surface soil exceeded Restricted Residential SCOs for PCBs and/or SVOCs at select locations as shown on **Figure 9**, respectively. As discussed in Section 2.2.4, a sample from the surface soil segment was not collected if asphalt covered the ground surface. There were no exceedances of Restricted Residential SCOs in surface soil samples analyzed for

VOCs, pesticides, or cyanide. Results from those surface soil samples with SCO exceedances are discussed in further detail below:

- Sample location SSHS-B32-A is located approximately sixty (60) feet north of the northeastern corner of the EHS building. The surface soil sample SSHS-B32-A-SS had a total PCB concentration of 1.07 mg/kg, slightly above the Restricted Residential SCO of 1 mg/kg. Historical PCB data from one to four (1-4) feet bgs indicated the presence of above eight (8) mg/kg of total PCBs at the co-located SSHS-B32 location.

- Sample SSHS-FB9-A, located on the southwestern portion of the football field adjacent to the track, had a total PCB concentration of 2.09 mg/kg. The previous co-located sample, SSHS-FB9 had a concentration of sixty-eight (68) mg/kg from one to two (1-2) feet bgs. As shown on **Figure 9**, the SSHS-FB9-A sample is the only surface soil sample collected on the football field with a detection of PCBs above the Restricted Residential SCO.

- PCBs were detected in surface soil above the Restricted Residential SCO of 1 mg/kg in two (2) of six (6) surface soil samples collected in the vicinity of former boring locations SSHS-B15 and SSHS-SS12 to the south of the athletic stand. The surface soil sample from SSHS-B15-B had a total PCB concentration of 1.02 mg/kg. The surface soil sample at SSHS-SS12-B had a total PCB concentration of 4.3 mg/kg.

- Surface soil samples at SSHS-B29-A and SSHS-B99 located on the east side of the gymnasium had total PCB concentrations that exceeded the Restricted Residential SCO with concentrations of 1.04 mg/kg and 1.14 mg/kg, respectively.

- Polycyclic aromatic hydrocarbons (PAHs) that included benzo(a)fluoranthene and indeno(1,2,3-c,d)pyrene were detected above their respective SCOs (see **Table 7)**at SSHS-B47A with concentrations of 1.1 and 0.7 mg/kg, respectively. Those results are similar to the previous sample SSHS-B47 results and indicate that PAHs are above SCOs in surface soil at that location.

- Boring SSHS-B74 located in the grassy area in the southwestern corner of the main parking lot had a detection of benzo(a)fluoranthene of 1.1 mg/kg that slightly exceeded the SCO of 1 mg/kg.

- Boring SSHS-B91, located in the median strip between the EHS entrance road and the parking lot, had detections of several PAHs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-c,d)pyrene ranging from 0.88 to 6.3 mg/kg that were above SCOs presented in **Table 7**. It should be noted that the SSHS-B91 area was being disturbed at the time of sampling by installation of a new curb around the median. Also, low concentrations of PAHs in surface soil around parking areas, roadways, and urban areas in general are relatively common and not unexpected.

4.4.2 Subsurface Soil

Shallow subsurface soil borings were advanced in areas adjacent to historical borings SSHS-B15, SSHS-FB7, SSHS-SS12, and SSHS-FB5, as depicted on **Figure 5**. Laboratory analytical results for those shallow subsurface samples are summarized on **Table 9A** (PCBs) and **Table 9B** (VOCs). Analytical results for subsurface borings advanced to the water table are summarized on **Table 10**. COPC concentrations in subsurface soil exceeded Restricted Residential SCOs for PCBs, SVOCs, and metals at select locations as shown on **Figures 10, 11,** and **12**, respectively. The following sections discuss the nature and extent of COPCs in subsurface soils for select areas of the Site investigated to address PAOCs identified by NYSDEC as presented on **Table 1**.

4.4.2.1 Football Field

Five (5) soil borings were installed in the vicinity of former soil boring SSHS-FB7 located on the football field to verify and delineate PCBs that were detected in excess of one hundred (100) mg/kg from 1-3 ft bgs and confirm that PCB concentrations are below SCOs in surface soil. **Table 9A** summarizes subsurface soil samples collected at the FB7 area. As shown on **Figure 10**, PCBs were detected in the shallow subsurface above the SCO in most samples. Detected Arochlors included Arochlor 1248 and Arochlor 1254. The maximum concentration of total PCBs detected in the shallow subsurface was six hundred ninety (690) mg/kg from two to three(2-3) ft bgs at boring SSHS-FB7-D. The remainder of samples had PCB concentrations less than thirty-two (32) mg/kg. These locations are within the PCB soil management area presented in the EMP, but given the high concentration detected in the SSHS-FB7-D terminal sample, PCBs above one hundred (100) mg/kg are not delineated vertically or horizontally to the west.

Four (4) soil borings were installed in the vicinity of former soil boring SSHS-FB5 (FB5 area) to confirm the presence of trichloroethene (TCE) that was previously detected at one hundred ten (110) mg/kg at two to four (2-4) ft bgs as shown on **Figure 11**. Analytical results from the SSHS-FB5 subsurface samples are summarized on the **Table 9B**. Those results show that low concentrations of TCE were detected in several samples but were all well below the Restricted Residential SCO of twenty-one (21) mg/kg. Acetone, a common lab contaminant, was also detected at very low concentrations in a few samples. Other VOCs were not detected. TCE analytical results are contrary to historical results and suggest that TCE is not present in the subsurface at concentrations above the SCO at the FB5 area.

4.4.2.2 Main Parking Lot and Tennis Courts

Twenty-one (21) soil borings were installed in the main parking lot and tennis court areas of EHS. Locations for borings SSHS-B71 through SSHS-B91 are presented on **Figure 5**. In general, ground surface at those boring locations is covered by asphalt, concrete, or tennis courts with several grassy areas in medians adjacent to the parking lot and tennis courts. Only borings SSHS-B72, SSHS-B74 through SSHS-B77, and SSHS-B91 were installed in areas where the ground surface was exposed (i.e. grassy). Analytical results from those borings are summarized on **Table 10**.

Several PAHs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-c,d)pyrene ranging from 0.075 to twelve (12) mg/kg were detected above SCOs. Most of the PAH exceedances were detected above two (2) feet bgs and may be related to the asphalt cover; however, boring locations SSHS-B78 and SSHS-B73 had PAH exceedances in deeper soil. At SSHS-B78, indeno(1,2,3-c,d)pyrene was detected at a concentration (0.63 mg/kg) slightly above the SCO (0.5 mg/kg) at depth of 2-6 feet bgs. At SSHS-B73, various PAHs were detected above SCOs to a depth of 10-15 feet bgs. As shown on **Figure 11**, most of the PAH SCO exceedances in subsurface soil were outside the current VOC/SVOC soil management area presented in the EMP.

Constituents included in the inorganic, pesticide, PCB, and VOC analytical suites were not detected above SCOs.

4.4.2.3 Elmira High School – Perimeter of F and G Wings

As shown on **Figure 5**, seven (7) borings that included SSHS-B92 through SSHS-B98 were installed around the perimeter of the F and G wings of the EHS building, facing South Main Street. Those borings were installed to evaluate COPC concentrations in close proximity to the building and as well as near the former combined industrial sewer and other former operating areas. Analytical results from those borings are summarized on **Table 10**.

In subsurface soil, metals, PCBs, and indeno (1,2,3-c,d)pyrene were detected above SCOs. Lead was detected above the SCO of four hundred (400) mg/kg at two (2) samples that included SSHS-B-92 (450 mg/kg from 2-6 feet bgs) and SSHS-B95 (440 mg/kg from 0.17-2 feet bgs). Manganese was detected above the SCO of two thousand (2,000) mg/kg in only one (1) sample which was SSHS-B92 (2,100 mg/kg from 6-10 feet bgs). Nickel exceeded the SCO of three hundred ten (310) mg/kg at SSHS-B98 (390 mg/kg from 6-10 feet bgs). The sample collected from 6-10 feet bgs at SSHS-B-94 (1.73 mg/kg) was the only sample to exceed the SCO for total PCBs of one (1) mg/kg. Detected Arochlors included Arochlor 1248 and Arochlor 1260. Indeno (1,2,3-c,d)pyrene was detected above the SCO of 0.5 mg/kg at SSHS-B98 (0.58 mg/kg from 2-6 feet bgs). As shown on **Figures 10, 11,** and **12**, those SCO exceedances are outside of the soil management areas for SVOCs, PCBs and metals, respectively, as presented in the EMP.

Constituents included in the VOC and pesticide analytical suites were not detected above Restricted Residential SCOs in subsurface soils.

4.4.2.4 Rear Parking Lot

Eight (8) soil borings were installed in the rear parking lot as shown on **Figure 5** which included borings SSHS-B64 through SSHS-B69, SSHS-B100, and SSHS-B101. All borings in the area were installed through the asphalt covered parking lot. As a result, no surface soil samples were collected. Analytical data for samples collected in the rear parking lot are summarized on **Table 10** and show that several inorganics, PCBs, and PAHs were detected above SCOs.

Metals detected above Restricted Residential SCOs included arsenic, copper, lead, mercury, and nickel. Arsenic was the most widespread metal detected above SCOs with a maximum concentration of eighty-three (83) mg/kg at SSHS-B67 from two to six (2-6) feet bgs. Lead was detected above the SCO of four hundred (400) mg/kg at two (2) locations, SSHS-B67 (590 mg/kg from 0.17-2 feet bgs) and SSHS-B69 (1,800 mg/kg from two-to four (2-4) feet bgs). Mercury was detected above the SCO of 0.81 mg/kg at SSHS-B67 (0.85 from 2-6 feet bgs). As shown on **Figure 12**, six (6) of eight (8) borings had at least one (1) sample with metals concentrations exceeding SCOs. Soil borings SSHS-B66 through SSHS-B69 are located outside the metals soil management area presented in the EMP.

PCBs detections in excess of one (1) mg/kg were documented in all eight (8) borings installed in the rear parking lot. Detected Arochlors included Arochlor 1248 and Arochlor 1260. Vertical and horizontal distribution of PCBs in soil is depicted on **Figure 10**. A maximum PCB concentration of four hundred eight (408) mg/kg was detected in the rear parking lot at SSHS-B69 in the 2-4 feet bgs interval. Other sample intervals with concentrations above one hundred (100) mg/kg include borings SSHS-B67 from 0.17-2 feet bgs (272 mg/kg) and two to six (2-6) feet bgs (168.3 mg/kg) and SSHS-B68 from 0.17-2 feet bgs (104.9 mg/kg). All boring locations except SSHS-B100 are located within the PCB soil management area presented in the EMP; however, as noted above, multiple borings have PCB detections above one hundred (100) mg/kg which are not laterally delineated to the east and north of SSHS-B68/B69.

PAHs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-c,d)pyrene were detected above Restricted Residential SCOs at SSHS-B67 (2-6 feet bgs). Indeno(1,2,3-c,d)pyrene (0.6 mg/kg) was detected above the SCO (0.5 mg/kg) at SSHS-B69 (0.17-2 feet bgs). The distribution of PAH exceedances in the rear parking lot is shown on **Figure 11**. Borings SSHS-B67 and SSHS-B69 are not located in the VOC/SVOC soil management area presented in the EMP.

Most exceedances of Restricted Residential SCOs in the rear parking lot occurred at depths less than six (6) feet bgs which corresponds with very dark gray/black material encountered over much of the area. The material is suspected to be remnants of the former coal pile that was located in the vicinity historically. Fly ash and bottom ash from the power plant may be present in this area (Dames and Moore, 1988). Locations SSHS-B65, SSHS-B67, and SSHS-B101 were the only locations with SCO exceedances (arsenic and/or PCBs) below six (6) feet bgs.

Constituents included in the VOC and pesticide analytical suites were not detected above SCOs.

4.4.2.5 Gymnasium – East Side

Three (3) borings, SSHS-B26-A, SSHS-B29 and SSHS-B99, were installed on the eastern side of the EHS gymnasium, as shown on **Figure 5,** to verify historical data which indicated that PCB concentrations were greater than ten (10) mg/kg above four (4) feet bgs. Those borings were installed in the vicinity of the former earthen waste pits (AOC-4) that were located historically under and to the east of the gymnasium as shown on **Figure 3.** Analytical data collected from those borings are summarized on **Table 10** and show that PCBs and lead were the only constituents detected above SCOs.

PCBs were detected above Restricted Residential SCOs in all three borings and generally confirm historical results. Detected Arochlors included Arochlor 1248 and Arochlor 1260. The maximum total PCB concentration among the borings was detected in the 2-6 feet bgs sample at SSHS-B26-A (13.5 mg/kg). Lead was detected above the SCO of four hundred (400) mg/kg in the two to six (2-6) feet bgs sample at SSHS-B99 (680 mg/kg). As shown on **Figures 10** and **12**, those SCO exceedances are within the soil management areas for PCBs and VOCs/SVOCs, respectively, as presented in the EMP.

Constituents included in the VOC, SVOC, and pesticide analytical suites were not detected above Restricted Residential SCOs.

It should also be noted that petroleum-like odors and elevated PID readings were noted in soil collected from the lower portion boring SSHS-B29-A near the water table (see **Appendix C**). Also, as discussed in Section 4.5 below, presumed petroleum product droplets were encountered during DPT groundwater sample collection. Those observations are likely related to the historical petroleum remediation area in the vicinity.

4.4.2.6 Athletic Stand and Vicinity

Three (3) soil borings were installed in the vicinity of the former SSHS-B15 sample location (B15 area) to verify and delineate historical results. Historical results from SSHS-B15 detected total PCBs concentrations at seventy-four (74) mg/kg from four to five (4-5) ft bgs. **Table 9A** shows that total PCBs concentrations in samples from the B15 area ranged from 0.07 to 22 mg/kg. Detected Arochlors included Arochlor 1248, Arochlor 1254, and Arochlor 1262. Six (6) of twelve (12) samples collected exceeded the Restricted Residential SCO. Those results are below the previous detection at SSHS-B15 but are still above the SCO. Remaining detections of PCBs above the SCO were in the shallow subsurface.

Three (3) soil borings were installed in the vicinity of former boring location SSHS-SS12 (SS12 area) to confirm a historical detection of PCBs in surface soil in excess of three (3) mg/kg. Analytical results for the SSHS-SS12 subsurface soil samples are summarized on **Table 9A**. The maximum concentration detected in shallow subsurface soil was one hundred twenty-nine (129) mg/kg from two to three (2-3) ft bgs in boring SSHS-SS12-C. The remainder of the subsurface samples had detections of total PCBs between 0.54 and 32 mg/kg. PCB concentrations above one hundred (100) mg/kg were detected at SSHS-SS12-C and concentrations above one hundred (100) mg/kg are not vertically or horizontally delineated to the north and east.

One (1) boring, SSHS-SB70, was installed south of the athletic stand as shown on **Figure 5**. That boring was installed in the vicinity of the former Westinghouse Transformer Spill (AOC-4) as shown on **Figure 3** and is adjacent to the SS12 and B15 shallow subsurface samples described in Section 2.2.3. Analytical data from SSHS-SB70 are summarized on **Table 10**. Detected Arochlors are primarily Arochlor 1248 and Arochlor 1260 with detection of Arochlor 1254 but not Arochlor 1260 at ten to fourteen (10-14) feet bgs. The distribution of detected Arochlors in the vicinity of the athletic stands and at soil boring FB7 in the football field differs from the Arochlor distribution in soil samples collected in other areas of the Site. Arochlors in shallow subsurface soils in the vicinity of the athletic stands and the football field are Arochlor 1248 and Arochlor 1254 but not Arochlor 1260. Arochlors in other parts of the Site are Arochlor 1248 and Arochlor 1260 but not Arochlor 1254 (see Sections 4.4.2.2 through 4.4.2.5). The area south of the athletic stands is in the vicinity of AOC-8, the reported former Westinghouse transformer spill near Building 28A, and detections of PCBs and specifically Arochlor 1254 could be related to that release.

All four (4) subsurface samples exceed the Restricted Residential SCO with a maximum concentration of 41.3 mg/kg in the six to ten (6-10) feet bgs sample interval. As shown on **Figure 10**, the B15 and SS12 areas and SSHS-SB70 fall within the PCB soil management area presented in the EMP.

In addition to the SCO exceedances for PCBs at SSHS-B70, several PAHs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-c,d)pyrene were detected above SCOs in the two to four (2-4) and six to ten (6-10) feet bgs samples. Additional PAHs including chyrsene and dibenz(a,h)anthracene were also detected above SCOs in the six to ten (6-10) feet bgs sample. As shown on **Figure 11**, SSHS-SB70 falls within the VOC/SVOC soil management area presented in the EMP.

Constituents included in the inorganic, VOC, and pesticide analytical suites were not detected above Restricted Residential SCOs.

4.4.2.7 Athletic Fields

Two (2) soil borings, SSHS-B42-A and SSHS-B43-A, were installed in the athletic fields northwest of the tennis courts to evaluate COPCs concentrations in the vicinity of former dry wells as well as confirm historical metals SCO exceedances above two (2) feet bgs. The boring locations are depicted on **Figure 5** and laboratory analytical results are summarized on **Table 10**. Those data indicate that PAHs in the 0.17-2 feet bgs sample at SSHS-B42-A were the only COPCs detected above SCOs. Similar to other areas at the site, PAHs detected above SCOs included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-c,d)pyrene. Although PAHs were detected above Restricted Residential SCOs at SSHS-B42-A, **Figure 11** shows that the boring is located within the VOC/SVOC soil management area presented in the EMP. In contrast to historical results, metals were not above Restricted Residential SCOs in either boring.

4.5 Groundwater

Groundwater monitoring consisted of low-flow groundwater sampling of existing monitoring wells and the collection of grab groundwater samples from DPT soil borings for screening. Seven (7) existing monitoring wells were sampled to further characterize groundwater in select areas of the Site. Groundwater grab samples were collected from ten (10) DPT borings to evaluate COPC concentrations in groundwater around EHS F and G wings and the gymnasium. A summary of historical monitoring wells and direct push borings sampled, rationale for sample collection, and analyses performed is presented on **Table 4**. Historical monitoring wells sampled and DPT groundwater sampling locations are depicted on **Figure 6**. Groundwater analytical results are summarized on **Table 11** and compared to TOGS 1.1.1 groundwater standards, as applicable. COPC concentrations in groundwater exceeded TOGS 1.1.1 groundwater standards for PCBs, SVOCs, and VOCs at select locations as shown on **Figure 13**. Historical exceedances of groundwater standards from previous sampling of other locations are also shown for reference.

4.5.1 Volatile Organic Compounds.

Samples for VOC analyses were collected from existing monitoring wells MW-8S, MW-13, and MW-30 and all ten (10) DPT sampling locations. Analytical results from those sample locations are summarized on **Table 11.** At MW-30, tetrachloroethene (PCE), TCE, cis-1,2-dichloroethene (cis-1,2-DCE), and Freon 113 were detected above TOGS 1.1.1 groundwater standards. Those COPCs were also detected at MW-8S but at lower concentrations as shown on **Table 11**. They were not detected in grab samples from DPT borings, SSHS-B26-A, SSHS-SB29-A, and SSHS-B99, located upgradient from M-30 or at MW-13. Only cis-1,2-DCE exceeded groundwater standards at MW-8S as shown on **Figure 13**. Historically, Freon 113 has been detected above groundwater standards at MW-12 and soil boring SSHS-SB1, adjacent to SSHS-B29A, and downgradient well MW-9, as shown on **Figure 13**.

Previous analytical results for chlorinated ethenes and Freon 113 at MW-30 and MW-8S are presented in **Table 12**. Comparison of groundwater chemistry data collected during Site Characterization activities indicates those COPC concentrations are lower than in the previous sampling event completed in July 2007. In example, PCE, TCE and cis-1,2-DCE at MW-30 decreased by 47%, 61% and 36%, respectively, while Freon 113 decreased by 88%. **Figure 14** presents time trend graphs for chlorinated ethene concentrations since April 2002 wells and suggests decreasing trends. As shown on **Figure 14**, cis-1,2-DCE concentrations are an order of magnitude higher than the concentrations of PCE or TCE detected at MW-30. The greater abundance of cis-1,2-DCE, a dechlorination daughter product of TCE, suggest that reductive dechlorination has been occurring in the vicinity of MW-30 and MW-8S.

TCE was also detected above groundwater standards in grab samples collected from SSHS-B92 and SSHS-B94 where concentrations of 5.6 micrograms per liter (µg/L) and 8.9 µg/L, respectively, were detected. As shown on **Figure 13**, those borings were located just outside the EHS F wing.

Acetone was detected in six (6) of thirteen (13) samples and exceeded the TOGS 1.1.1 value of 50 µg/L at SSHS-B29-A which had a concentration of 1,200 µg/L. Acetone, a common analytical laboratory contaminant, has been historically detected in several Site monitoring wells, but at lower concentrations. Those wells include MW-30 located hydraulically downgradient of SSHS-B29-A as shown on **Figure 13**. In three (3) samples collected at MW-30 from May 2003 to June 2005, acetone concentrations ranged from seventy-six (76) to ninety-seven (97) µg/L. Acetone was detected in the MW-30 sample collected as part of Site Characterization at an estimated concentration of 14 µg/L. Historically, acetone was detected above groundwater standards at MW-41 in March 2008 as shown on **Figure 13**.

Other VOCs were not detected at concentrations above TOGS 1.1.1 groundwater standards.

4.5.2 Semi-Volatile Organic Compounds.

SVOCs were analyzed in groundwater samples collected from DPT locations SSHS-B26-A, SSHS-SB29-A, and SSHS-B99. Those results are summarized on **Table 11** and show that a total of eight (8) PAHs were detected. Two (2) of those PAHs, benzo(a)anthracene and chrysene, were detected at concentrations above groundwater standards at all three (3) locations. Indeno(1,2,3-c,d)pyrene was also detected above groundwater standards at SSHS-B99. Concentrations of other detected PAHs did not exceed groundwater standards. The suite of PAHs detected in groundwater was similar to that detected in soils throughout the Site.

Historically, SVOCs were sampled on a limited basis at the Site and thus little historical data are available. Monitoring well MW-12, located adjacent to the DPT grab sample locations, had detections of benzo(a)anthracene and chrysene above groundwater standards in May 2000 as shown on **Figure 13**.

4.5.3 Polychlorinated Biphenyls

Two (2) DPT locations (SSHS-B29-A, and SSHS-B99) and four (4) historical monitoring wells (MW-10, MW-34, MW-38, and MW-41) were sampled for PCBs. Those samples were collected to verify the total PCB concentration of one hundred twenty (120) µg/L detected at monitoring well MW-41 in March 2008 and evaluate PCB concentrations in Site groundwater upgradient of MW-41. Analytical results for PCBs in groundwater are summarized on **Table 11** and locations are shown **Figure 6**. The only detected Arochlor was Arochlor 1248.

Analytical results indicate that PCBs were detected at a concentration of twenty-three (23) µg/L at MW-41. That concentration was lower than that previously detected in 2008, but remained above the TOGS 1.1.1 value of 0.9 µg/L. At hydraulically upgradient monitoring wells MW-34and MW-10 (see **Figure 13**), PCB concentrations were lower at MW-34 (1.4 µg/L) but still above groundwater standards and not detected at MW-10. PCBs were not detected at sidegradient well MW-38. PCBs were detected in both samples collected from the DPT locations, but concentrations were below TOGS 1.1.1 values.

4.5.4 Total Petroleum Hydrocarbons

During groundwater sample collection at SSHS-B99, a presumed petroleum product was observed during purging. In response to that observation, samples from SSHS-B26-A, SSHS-B29-A, and SSHS-B99 were submitted for Total Petroleum Hydrocarbons (TPH) – Diesel Range Organics (DRO) and Gasoline Range Organics (GRO). Samples from historical monitoring wells MW-8S, MW-13, and MW-30 were also submitted for TPH analyses. Groundwater analytical data are summarized on **Table 11** and sample locations are presented on **Figure 6**.

Analytical results from the six (6) locations detected the presence of TPH concentrations, primarily TPH-DRO. TPH-DRO concentrations in three (3) DPT groundwater samples ranged from one hundred thirty (130) milligrams per Liter (mg/L) at SSHS-B29-A to two hundred fifty (250) mg/L at SSHS-B99. Lesser concentrations were detected from three (3) monitoring well samples. TPH detections are adjacent to the former petroleum remediation area located in that vicinity of the Site.

4.5.5 Field Geochemistry

A summary of field geochemistry parameters collected during groundwater sampling are presented in **Table 13.** In summary, pH values range from 6.46 at MW-10 to 7.29 at MW-8S; DO concentrations range from 0.2 milligrams per liter (mg/L) at MW-41 to 6.6 mg/L at MW-8S; ORP values range from -155 millivolts (mV) at MW-8S to 41 mV at MW-30.

5. FINDINGS AND RECOMMENDATIONS

The following section summarizes the findings of the Site Characterization and identifies data gaps. Recommendations for updating the soil management areas presented in the EMP and additional investigation are also presented.

5.1 Former Combined Industrial Sewer

- Portions of the former combined industrial sewer that have not been incorporated into the EHS storm sewer system do not currently appear to be in active operation.

- The integrity of the easternmost section of the former combined industrial sewer (CB-24 to CB-3 as shown in Figure 4) appears compromised as indicated by several collapsed areas observed during video inspections. Upstream connections to that section in the vicinity of the EHS building have collapsed or have been bulkheaded to block flow. One downstream connection from CB-3 has been bulkheaded but the inspection of the other downstream connection could not be completed.

- The westernmost section has been bulkheaded on the STCC property north of CB-25. That connection to the STCC storm sewer system does not appear to be currently active.

- The current EHS stormwater conveyance system, including sections of the former combined industrial sewer system, appeared intact and generally free of fine-grained material. It does not currently appear to be an active migration pathway for COPCs in the subsurface.

- Collapsed sections of the former industrial sewer system represent potential pathways for COPCs to migrate to the surrounding subsurface. Historical soil boring SSHS-B25, SSHS-B27, SSHS-B28 and SSHS-B32 are located near the alignment of the collapsed sections (see **Figure 5)**. PCBs in soils at SSHS-B32 exceeded the Restricted Residential SCO as shown on **Figure 10.** Collapsed sections are located within soil management areas presented in the EMP shown on **Figures 10, 11** and **12**. Monitoring wells in the vicinity, including MW-9, MW-10, MW-32, MW-30 and MW-32 have groundwater concentrations that exceed TOGS 1.1.1 groundwater quality standards for PCBs and VOCs as shown on **Figure 13**.

- ➢ Recommendation: no additional work is planned for this area as it has been characterized and is not acting as a continued source to the off-site areas. Further investigation of the former combined industrial sewer downstream of CB-3 will be conducted as part of the remedial investigation of the Former Sperry Remington Site (NYSDEC #808043) to evaluate connections to the former oil skimmer (OS2).

5.2 Site-Wide Soils

5.2.1 General

- Geologic materials encountered during the investigation were generally consistent with historical interpretations for the Site.

- PCB Arochlors that included 1248, 1254, 1260, and 1262 were detected in Site soil. Of those, Arochlor 1248 was detected most frequently (132 detections out of 244 samples) and tended to comprise the largest component where detected. Arochlor 1254 and Arochlor 1260 were detected with similar frequency with fifty-nine (59) and fifty-six (56) detections, respectively, out of two hundred forty-four (244) samples. Arochlor 1254 was detected primarily in the vicinity of the athletic stands and the football field. Arochlor 1260 was detected primarily in the vicinity of the gymnasium and the rear parking lot.

- PAH compounds were the only SVOCs detected in soil at concentrations above Restricted Residential SCOs. Those PAHs included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-c,d)pyrene. The range of detections were as follows with the Restricted Residential SCO in parentheses:

  - benzo(a)anthracene: 0.057 to 6.7 mg/kg (1 mg/kg);
  - benzo(a)pyrene: 0.064 to 5.8 mg/kg (1 mg/kg);
  - benzo(b)fluoranthene: 0.077 to 6.9 mg/kg (1 mg/kg);
  - chrysene: 0.073 to 6.8 mg/kg (3.9 mg/kg);
  - dibenz(a,h)anthracene: 0.015 to 0.97 mg/kg (0.33mg/kg), and
  - indeno(1,2,3-c,d)pyrene: 0.051 to 3.9 mg/kg (0.5 mg/kg).

- Arsenic, copper, lead, manganese, mercury, and nickel were the only metals constituents detected above Restricted Residential SCOs, primarily in the rear parking lot. The range of detections were as follows with the Restricted Residential SCO in parentheses:

  - arsenic: 3.2 to 83 mg/kg (16 mg/kg);
  - copper: 9.3 to 980 mg/kg (270 mg/kg);
  - lead: 4.2 to 1,800 mg/kg (400 mg/kg);
  - manganese: 44 to 2,100 mg/kg (2,000 mg/kg);

  - mercury: 0.036 to 0.85 mg/kg (0.81 mg/kg); and
  - nickel: 8.7 to 870 mg/kg (310 mg/kg).

- Constituents including cyanide, pesticides, and VOCs were not detected above Restricted Residential SCOs in any soil sample collected during Site Characterization Those constituents are not considered to be COPCs for the Site.

5.2.2 Surface Soil

- PCBs were detected above the Restricted Residential SCO in six (6) surface soil samples collected from locations that included SSHS-B15-B, SSHS-SS12-B, SSHS-B32-A, SSHS-FB9-A, SSHS-29-A, and SSHS-B99. Overall, PCBs were detected in thirty (30) out of fifty-four (54) samples with total PCB concentrations ranging from 0.053 to 4.3 mg/kg.

- PAHs were detected above Restricted Residential SCOs in three (3) locations that included SSHS-B47-A, SSHS-B74, and SSHS-B91. Overall, PAHs were detected in all twenty-two (22) surface soil samples analyzed for SVOCs.

- Characterization of surface soils is considered to be complete in unpaved areas of the Site.

➢ Recommendation: no additional characterization of surface soils is planned for the Site.

5.3 Assessment of PAOCs Identified by NYSDEC

5.3.1 Football Field

- Soil investigations in the football field addressed AOC-10 locations (PCBs at Location FB7, VOCs at Location FB5, and SVOCs at Location FB6) PAOC identified by NYSDEC.

- PCBs detected above the Restricted Residential SCO in surface soil are limited to only one (1) location, SSHS-FB9-A.

- VOCs were not detected above Restricted Residential SCOs at the FB5 area. Those results do not confirm historical results and suggest that TCE is not present in subsurface soils at concentrations in excess of the Restricted Residential SCO at the FB5 area.

- At the FB7 area, PCBs were detected above the Restricted Residential SCO in several subsurface samples and in excess of 100 mg/kg in the 2-3 feet bgs sample collected at SSHS-FB7-D. FB7 area is located within the PCB soil management area presented in the EMP:

- ➢ Recommendation: It is recommended that additional delineation of PCBs above one hundred (100) mg/kg vertically or horizontally to the west of SSHS-FB7-D be conducted.

5.3.2 Main Parking Lot and Tennis Courts

- Soil investigations in the main parking lot and in the vicinity of the tennis courts addressed the following PAOCs identified by NYSDEC:
    - AOC-7 (Drywell Structures);
    - AOC-8 (Westinghouse Transformer Spill near Building 28A);
    - AOC-10 (PCBs at Locations B15, SS12);
    - AOC-14 (Power Washer, Rust Prevention Dip Operation); and
    - AOC-16 (Machine Shop Area).
- In subsurface soil, PAHs were detected above Restricted Residential SCOs in several borings. Most of the PAH exceedances were detected above two (2) feet bgs and may be related to the asphalt cover; however, a few borings had PAH exceedances in deeper soil. Most PAH SCO exceedances in surface and subsurface soil were outside the current VOC/SVOC soil management area presented in the EMP.

- ➢ Recommendation: It is recommended that the VOC/SVOC soil management area be updated to include the main parking lot to include those locations with SCO exceedances.

5.3.3 Elmira High School – F and G Wings

- Soil and groundwater investigations around the perimeter of the F and G wings of the EHS building addressed the following PAOCs identified by NYSDEC:
    - AOC-12 (Plating, Heat Treatment and Tumbling Areas);
    - AOC-13 (Metals Cleaning, Vapor Degreaser and Solvent Still); and
    - AOC-6 (Concrete Vaults).
- Constituents including metals, PCBs, and PAHs were detected above Restricted Residential SCOs in subsurface soil. All but one (1) of those exceedances were detected below two (2) feet bgs. One (1) location on the north side of the F Wing (SSHS-B95) had a SCO exceedance for lead within two (2) feet bgs. Those SCO exceedances outside the F and G wings are outside of the soil management areas for SVOCs, PCBs and metals, respectively, as presented in the EMP.

- TCE was detected at concentrations above groundwater standards in grab samples collected from the north side of the F Wing. A sub-slab depressurization system was installed in the F Wing in August 2014 in response to concentrations of TCE and cis-1,2-DCE in sub-slab vapor (Geosyntec, 2014).

➢ Recommendation: It is recommended that the soil management areas for SVOCs, PCBs and metals be updated to include those locations with SCO exceedances.

➢ Recommendation: It is recommended that a new groundwater monitoring well on the north side of the F Wing of EHS be installed to monitor groundwater quality.

5.3.4 Rear Parking Lot

- Soil investigations in the rear parking lot addressed the following PAOCs identified by NYSDEC:
    - AOC-10 (Metals at Locations B24, B35); and
    - AOC-17 (Possible Disposal Areas – Former Coal Pile).
- Metals, including arsenic, copper, lead, mercury, and nickel, were detected above Restricted Residential SCOs in thirteen (13) out of twenty-nine (29) soil samples collected in the Rear Parking Lot. Arsenic exceedances were the most widespread with thirteen (13) exceedances.. Four (4) samples had SCO exceedances for metals other than arsenic. Soil borings SSHS-B66 through SSHS-B69 are located outside the metals soil management area presented in the EMP.
- PCBs were detected above the Restricted Residential SCO in all eight (8) borings installed in the rear parking lot. Of those borings, seven (7) had detection of total PCBs above 1 mg/kg within two (2) feet bgs. Total PCB concentrations at depths below two (2) feet bgs exceeded ten (10) mg/Kg at seven (7) locations. Several samples had total PCB concentrations greater than 100 mg/kg which are not laterally delineated to the east and north of SSHS-B68/B69. All boring locations except SSHS-B100 are located within the PCB soil management area presented in the EMP; however, as noted above, multiple borings had PCB detections above 100 mg/kg which are not laterally delineated.
- PAHs were detected above Restricted Residential SCOs in subsurface samples collected at SSHS-B67 and SSHS-B69. Those borings are not located in the VOC/SVOC soil management area presented in the EMP.
- Most exceedances of Restricted Residential SCOs in the rear parking lot occurred at depths less than six (6) feet bgs which corresponds with very dark gray/black material encountered over much of the area. The material is suspected to be remnants of the

former coal pile that was located in the vicinity historically that may include fly ash and bottom ash from the power plant.

- ➢ Recommendation: It is recommended that soil management areas for PCBs, metals and SVOCs be updated to include those SCO exceedances noted above.
- ➢ Recommendation: It is recommended that additional delineation of metals, SVOCs and PCBs in subsurface soil be conducted in the rear parking lot.

5.3.5 Gymnasium – East Side

- Soil and groundwater investigations adjacent to the gymnasium addressed the AOC-4 (Earthen Waste Pits near EHS Gym and Pool) PAOC identified by NYSDEC.
- PCBs were detected above Restricted Residential SCOs in all three borings and generally confirm historical results.
- Lead was detected above the Restricted Residential SCO at SSHS-B99.
- SCO exceedances are within the soil management areas for PCBs and metals, respectively, as presented in the EMP. Characterization of subsurface soil in this area is considered to be complete.
- Petroleum-like odors and elevated PID readings were noted in soil collected from the lower portion of SSHS-B29-A near the water table.
- NAPL was observed in grab water samples from borings along the east side of the gymnasium (i.e., SSHS-B26-A, SSHS-B29-A, and SSHS-B99) and at MW-33 which is downgradient of the gymnasium to the northeast.
- TPH-DRO was detected in grab groundwater samples from soil borings at concentrations ranging from 130 to 250 mg/L. Detections of SVOCs in grab groundwater samples exceeded groundwater standards at the same locations.
- The area east of the gymnasium has been previously remediated by NYSDEC to address petroleum in groundwater.

- ➢ Recommendation: It is recommended that the SMP be updated to include SCO exceedances detected as part of SC activities.
- ➢ Recommendation: It is recommended that LNAPL monitoring be continued as part of the monitoring well sampling protocol presented in the GMP.

5.3.6 Athletic Stands and Surrounding Vicinity

- Soil investigations in the area south of the athletic stands addressed the following PAOCs identified by NYSDEC:
    - AOC-8 (Westinghouse Transformer Spill near Building 28A); and
    - AOC-10 (PCBs at Locations B15, SS12).
- At SSHS-B70, PCB concentrations were detected above the Restricted Residential SCO in all subsurface samples. In addition to PCBs, PAHs were also detected in two (2) subsurface samples in excess of Restricted Residential SCOs.
- At the B15 area, total PCB concentrations were greater than 1 mg/kg at depths less than two (2) feet bgs and greater than 10 mg/kg at depths greater than two (2) feet bgs).
- At the SS12 area, PCBs were detected above the Restricted Residential SCO in surface soil at SSHS-SS12-B. PCBs were also detected above the Restricted Residential SCO in most subsurface samples and in excess of 100 mg/kg in the 2-3 feet bgs sample collected at SSHS-SS12-C.
- Evaluation of Arochlor distribution in shallow subsurface soils in the vicinity of the athletic stands indicates Arochlor 1254 is present. Arochlor 1260 has been detected at deeper soils (10 -14 ft bgs) but not shallow subsurface soils in this area. This area is coincident with the reported former Westinghouse transformer spill near Building 28A.
- SSHS-B70, the B15 area, and the SSHS12 area are located within the PCB and SVOC/VOC soil management areas presented in the EMP. However, PCBs above 100 mg/kg are not delineated vertically or horizontally to the north and east the SSHS-SS12-C.

➢ Recommendation: It is recommended that additional delineation of PCBs in subsurface soil be conducted in the SS12 area.

5.3.7 Athletic Fields

- Soil investigations in the athletic fields addressed the AOC-10 (Metals at Locations B42 and B43) PAOC identified by NYSDEC.
- PAHs in the 0.17-2 feet bgs sample at SSHS-B42-A were the only COPCs detected above SCOs. Exposure to PAHs in subsurface soil at that location is controlled by the VOC/SVOC soil management area presented in the EMP.
- In contrast to historical results, metals were not above Restricted Residential SCOs.

- Characterization of subsurface soil in this area is considered to be complete.

- Recommendation: It is recommended that soil management areas for SVOCs be updated to include those SCO exceedances noted above.

5.4 Site-Wide Groundwater

- Site-wide groundwater investigations addressed the following PAOCs identified by NYSDEC:
    - AOC-11 (VOC- and Petroleum-Impacted Groundwater);
    - AOC-11A (Measured Oil Product at MW8-10 and MW-32); and
    - AOC-11B (PCBs at MW-41).

- Twenty (20) monitoring wells were noted to be in good condition with only two (2) of the monitoring wells (MW-7 and MW-16) being reported in poor condition. Although in poor condition, both MW-7 and MW-16 were dry during the inspections and are unlikely to be used for future groundwater sampling.

- Similar to historical interpretations, groundwater beneath the Site generally flows east or northeast. The groundwater monitoring network is concentrated to north and east of the EHS building and does not extend to the rear parking lot or the south side of the EHS building where production wells for cooling water are located.

- VOCs were detected above TOGS at MW-30 and MW-8S to the east of the K Wing (Science Addition). Concentrations of chlorinated ethenes and Freon 113 have decreased since the previous sampling in July 2007. The most abundant VOC detected is cis-1,2-DCE. Geochemical conditions are reducing to mildly oxidizing. Those results suggest that reductive dechlorination is occurring in the vicinity of MW-8S and MW-30.

- PCBs were detected at MW-34 and MW-41 with higher concentrations at MW-41. Concentrations of PCBs have decreased at MW-41 since the previous sampling for PCBs in 2008.

- Recommendation: It is recommended that new groundwater monitoring wells be installed in the southeastern and southwestern portions of the rear parking lot is recommended to monitor groundwater flow and groundwater quality.

6. REFERENCES

Dames & Moore, 1988, Preliminary Site Assessment, Remington Rand Plant, City of Elmira, Chemung County, New York.

Geosyntec Consultants, Inc., 2013, Interim Remedial Measure Pre-Design Investigation Data Report, Former Sperry Remington Site (NYSDEC Site I.D. #808043), City of Elmira, Chemung County, NY.

Geosyntec Consultants, Inc., 2014a, Revised Site Characterization Work Plan, Former Sperry Remington Site – North Portion (NYSDEC Site I.D. #808022), City of Elmira, Chemung County, NY.

Geosyntec Consultants, Inc., 2014b, Vapor Intrusion Assessment and Mitigation Report, Elmira High School, Former Sperry Remington Site – North Portion (NYSDEC Site I.D. #808022), City of Elmira, Chemung County, NY.

Geosyntec, see Geosyntec Consultants, Inc.

Moody and Associates, Inc., 2000, Letter to Mr. Mike Dunn, Elmira Schools Maintenance Reference: Southside School Water Well Flow Test Results. 7 March.

Moody, see Moody and Associates, Inc.

New York State Department of Environmental Conservation, 1998, Division of Water Technical Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June.

NYSDEC, see New York State Department of Environmental Conservation

Sterling Environmental Engineering, P.C., 2009, Elmira City School District, Southside High School, Elmira, New York, Environmental Management Plan.

Sterling Environmental Engineering, P.C., 201,3 Elmira City School District, Southside High School, Elmira, New York, 2012 Annual Certification Report.

Sterling Environmental Engineering, P.C., 2011, Elmira City School District, Southside High School, Elmira, New York, 2010 Annual Certification Report.

Sterling Environmental Engineering, P.C., 2012, Elmira City School District, Southside High School, Elmira, New York, 2011 Annual Certification Report.

Sterling, see Sterling Environmental Engineering, P.C.

TABLES

TABLE 1
SCOPE OF PAOC INVESTIGATION
Former Sperry Remington Site – North Portion
Elmira, Chemung County, New York

Proposed Action: Storm water system inspections

Area of Concern	Description	NYSDEC Characterization	Prior Investigation	Notes/Comments
AOC-2	Pre-1979 Combined Industrial/Storm Sewer	• Structure / Integrity / Contents / Release • Extent • Collection of Surface & Subsurface Contaminants	2013 IRM PDI	Data gaps identified in IRM PDI Data Report and IRM Notification Letter Do these structures exist? Were they removed prior to school construction?
AOC-3	1979 Storm Sewer	Structure / Integrity / Contents / Release Collection of Surface & Subsurface Contaminants	2013 IRM PDI Data Report	Non-Remington Rand infrastructure Storm sewer system installed 1979-80 as part of EHS construction. Not in use when site was active industrial facility No investigation pending IRM pipe inspections and catch basin sampling (CB-5).

Proposed Actions: Investigation of EHS Football Field

NYSDEC Potential Area of Concern	Description	NYSDEC Characterization	Prior Investigation	Notes/Comments
AOC-10	Contaminated Subsurface Soils	Nature & Extent Delineation o PCBs at Locations B3, FB7 & B15 o VOCs at Location FB5 o Metals at Locations B24, B35, SS14, B42, B43 & B52 o SVOCs at Location FB6 o Oil Contaminated Soils at 1977 Empire Report Locations	2001 Sampling Report 2003 Health Consultation 2009 EMP	Surface soil sampling PCBs at Location FB7 • FB7 in football field; Total PCBs > 100 ppm 1-3 ft bgs; bounded FB7 confirmation sampling and delineation FB5 confirmation sampling and delineation • • TCE 110 ppm (2 – 4 ft) • • TCE 11 ppm (8 ft) • • MW11S/D: VOC not detected in 2003 Surface Sampling at FB6

Proposed Action: Investigation of EHS Athletic Stand and Vicinity

AOC-8	Westinghouse Transformer Spill near Building 28A	Nature & Extent of Release(s) PCB Contaminated Soils at locations B15 & FB7 Other PCB Containing Equipment During Westinghouse Site Operation	2001 Sampling Report 2003 Health Consultation 2009 EMP	Transformer oil release reported in November 1975 during renovations after Westinghouse acquisition of site. Located adjacent to EHS track and football field
AOC-10	Contaminated Subsurface Soils	Nature & Extent Delineation o PCBs at Locations B3, FB7 & B15 o VOCs at Location FB5 o Metals at Locations B24, B35, SS14, B42, B43 & B52 o SVOCs at Location FB6 o Oil Contaminated Soils at 1977 Empire Report Locations	2001 Sampling Report 2003 Health Consultation 2009 EMP	PCBs at Locations B15, SS12 • B15 in courtyard: Total PCBs 74 ppm 4-5 ft bgs B15 and SS12 confirmation sampling and delineation

TABLE 1
SCOPE OF PAOC INVESTIGATION
Former Sperry Remington Site – North Portion
Elmira, Chemung County, New York

Proposed Actions: Investigation of EHS Main Parking Lot and Tennis Courts:
- **Manhole/Catch Basin Inspection (AOC-2D)**
- **Soil investigation**

NYSDEC Potential Area of Concern	Description	NYSDEC Characterization	Prior Investigation	Notes/Comments
AOC-2D	Manhole SW-73 Near Building 28A	Structure / Integrity / Contents / Release o Extent	1952 DOH Waste Sampling 2001 Sampling Report 2003 Health Consultation 2009 EMP	Building 28A (Department 12) – power wash station Identified on EHS construction drawings as manhole but shown on Lancy Report Figure ROE 2 as "Remington Well" PCBs (74 ppm)and Benzo(a)pyrene (1.3 ppm) 4-5 ft bgs detected in soil in vicinity (B15)
AOC-7	Drywell Structures	Structure / Integrity / Contents / Release	2001 Sampling Report 2003 Health Consultation 2009 EMP	Drywell structures identified to the northwest of the tennis courts
AOC-14	Power Washer, Rust Prevention Dip Operation	Different Locations Over Period of Operation Solvent Emulsions • Spill Collection & Storage Pits, Sumps, Tanks • Material/Chemical Storage & Waste Discharge Extent Delineation Potential Soil / Structure Sources	2001 Sampling Report 2003 Health Consultation 2009 EMP	Currently covered by paved parking No previous soil investigation
AOC-16	Machine Shop Area	Different Locations Over Period of Operation • Spill Collection & Storage Pits, Sumps, Tanks • Material/Chemical Storage & Waste Discharge Extent Delineation Potential Soil / Structure Sources	2001 Sampling Report 2003 Health Consultation 2009 EMP 2010 Health Consultation 2011-2013 ACRs	Machine shop areas identified on 1931 Sanborn maps (pre-Remington Rand). Use changed with Remington Rand occupancy. Some overlap with Remington Rand era AOCs

Proposed Actions: Investigation of EHS Athletic Fields:

NYSDEC Potential Area of Concern	Description	NYSDEC Characterization	Prior Investigation	Notes/Comments
AOC-10	Contaminated Subsurface Soils	Nature & Extent Delineation o PCBs at Locations B3, FB7 & B15 o VOCs at Location FB5 o Metals at Locations B24, B35, SS14, B42, B43 & B52 o SVOCs at Location FB6 o Oil Contaminated Soils at 1977 Empire Report Locations	2001 Sampling Report 2003 Health Consultation 2009 EMP	Surface soil sampling Metals at Locations SS14, B42, B43 & B52 • B42, B43 located in baseball field confirmation of metal exceedances in surface soils

TABLE 1
SCOPE OF PAOC INVESTIGATION
Former Sperry Remington Site – North Portion
Elmira, Chemung County, New York

Proposed Action: Investigation of Rear Parking Lot
- **Soil Investigation**

NYSDEC Potential Area of Concern	Description	NYSDEC Characterization	Prior Investigation	Notes/Comments	
AOC-10	Contaminated Subsurface Soils	Nature & Extent Delineation o PCBs at Locations B3, FB7 & B15 o VOCs at Location FB5 o Metals at Locations B24, B35, SS14, B42, B43 & B52 o SVOCs at Location FB6 o Oil Contaminated Soils at 1977 Empire Report Locations	2001 Sampling Report 2003 Health Consultation 2009 EMP	Metals at Locations B24, B35 • B24 and B35 located in southwest corner of EHS property; metal exceedances unbounded; recent school construction activity	B24 and B35: soil investigation in context of AOC-17 coal pile; need information on current school construction activities
AOC-17	Possible Disposal Areas	Extent Delineation Potential Soil Sources	1988 PSA 2001 Sampling Report 2003 Health Consultation 2009 EMP 2010 Health Consultation 2011-2013 ACRs	Land disposal areas identified from historical aerial photographs by Dames and Moore (1988 PSA).	Soil investigation of former coal pile if not inaccessible due to construction

Proposed Action: Investigation along East Side of EHS Gymnasium

NYSDEC Potential Area of Concern	Description	NYSDEC Characterization	Prior Investigation	Notes/Comments
AOC-4	Earthen Waste Pits near EHS Gym and Pool	Structure / Integrity / Contents / Release Connection to Pre 1979 Combined Sewer Contaminated Soil Vapor	2001 Sampling Report 2003 Health Consultation 2004 IIWA GW Investigation 2009 EMP 2010 ACR	Partially covered by EHS Gym and Pool. SSDS installed during Gym renovation in 2010. Soil sampling followed by direct push groundwater sampling
AOC-10	Contaminated Subsurface Soils	Nature & Extent Delineation o PCBs at Locations B3, FB7 & B15 o VOCs at Location FB5 o Metals at Locations B24, B35, SS14, B42, B43 & B52 o SVOCs at Location FB6 o Oil Contaminated Soils at 1977 Empire Report Locations	2001 Sampling Report 2003 Health Consultation 2009 EMP	Surface soil sampling SS14 located adjacent to NE corner of EHS building; metal exceedance bounded

TABLE 1
SCOPE OF PAOC INVESTIGATION
Former Sperry Remington Site – North Portion
Elmira, Chemung County, New York

Proposed Action: Investigation of Perimeter EHS F and G Wings

- **Soil investigation outside of building footprint**

Area of Concern	Description	NYSDEC Characterization	Prior Investigation	Notes/Comments
AOC-12	Plating, Heat Treatment and Tumbling Areas	Different Locations Over Period of Operation • Spill Collection & Storage Pits, Sumps, Tanks • Material/Chemical Storage & Waste Discharge Extent Delineation Potential Soil / Structure Sources	2001 Sampling Report 2003 Health Consultation 2009 EMP 2010 Health Consultation 2011-2013 ACRs	Partially covered by EHS building Adjacent to EHS Room 127 No exceedances of SCOs at 2001 borings B17, B18 and B19 to the west of EHS building
AOC-13	Metals Cleaning, Vapor Degreaser and Solvent Still	Different Locations Over Period of Operation • Spill Collection & Storage Pits, Sumps, Tanks • Material/Chemical Storage & Waste Discharge Characterization Extent Delineation Potential Soil / Structure Sources	2001 Sampling Report 2003 Health Consultation 2009 EMP 2010 Health Consultation 2011-2013 ACRs	Partially covered by EHS building Adjacent to EHS Room 127
AOC-6	Concrete Vaults	Structure / Integrity / Contents / Release Connection to Pre 1979 Combined Sewer Contaminated Soil Vapor	None	Vaults not shown on Lancy stormwater sewer plans. Some vaults located on STCC property. Soil investigation south of football field

Proposed Action: Groundwater investigation

- **Inspect and gauge existing monitoring wells;**
- **Sampling and analyses for VOCs and TPH (and possibly for biogeochemical parameters to support MNA);**
- **Sampling MW-10, MW-34 and MW-38 for PCB analyses (Re-sample MW-41 if accessible)**

NYSDEC Potential Area of Concern	Description	NYSDEC Characterization	Prior Investigation	Notes/Comments
AOC-11	VOC- and Petroleum-Impacted Groundwater	Nature & Extent Delineation o Potential Soil / Structure Sources	1998 Spills EA Report 2004 IIWA GW Investigation 2009 EMP 2010-11 ACR	Groundwater monitoring has been completed by NYSDEC according to annual EMP certifications.
AOC-11A	Measured Oil Product at MW8-10 and MW-32	Extent Delineation Potential Soil / Structure Sources	1998 Spills EA Report 2004 IIWA GW Investigation 2009 EMP 2010-11 ACR	Area remediated by OIS (see AOC-11). TOGS 1.1.1 (June 1998) does not contain standards or guidance values for petroleum product classifications or TPH.
AOC-11B	PCBs at MW-41	Extent Delineation Potential Soil / Structure Sources	2001 Sampling Report 2003 Health Consultation 2008 Spills GW Sampling 2009 EMP	MW-41 is outside EHS property adjacent to railroad tracks. Potential access issues Downgradient of AOC-8.

TABLE 1
SCOPE OF PAOC INVESTIGATION
Former Sperry Remington Site – North Portion
Elmira, Chemung County, New York

Proposed Action: Sub-slab Vapor and Indoor Air Investigation of EHS Building				
Area of Concern	**Description**	**NYSDEC Characterization**	**Prior Investigation**	**Notes/Comments**
AOC-1A	Contaminated Sub-Slab Vapors	• Delineation of Extent • Preferential Pathways o ƒUtilities o ƒStorm / Sanitary Sewer o ƒSteam Tunnels	2010 DOH Health Consultation 2011 2013 EMP Annual Reports	Unisys has conducted voluntary sub-slab pressure monitoring to evaluate effectiveness of existing HVAC as engineering control
AOC-1B	Indoor Air Quality	• Delineation of Extent • Monitoring • Engineering Controls o ƒHVAC o ƒSub-Slab Depressurization o ƒSlab Integrity	2010 DOH Health Consultation 2011 2013 EMP Annual Reports 2013 IA Sampling	Unisys has conducted voluntary indoor air sampling in August and December 2013. TCE concentrations in IA below DOH guidelines. Unisys made recommendations regarding HVAC operations at EHS.
AOC-2E	Waste Pit near Building 44	Structure / Integrity / Contents / Release o Extent	2001 Sampling Report 2003 Health Consultation 2009 EMP 2010 ACR	Located under current EHS gymnasium Previous soil excavation and installation of SSDS in 2010.
AOC-4	Earthen Waste Pits near EHS Gym and Pool	Structure / Integrity / Contents / Release Connection to Pre 1979 Combined Sewer Contaminated Soil Vapor	2001 Sampling Report 2003 Health Consultation 2004 IIWA GW Investigation 2009 EMP 2010 ACR	Partially covered by EHS Gym and Pool. SSDS installed during Gym renovation in 2010.
AOC-5	Sludge Tanks/Beds/Brick Pits near Building 64	Structure / Integrity / Contents / Release Connection to Pre 1979 Combined Sewer Contaminated Soil Vapor	2009 Indoor Air/Sub-slab Vapor Investigation 2013 IA Sampling No soil or groundwater investigation	Connection to OU-3/AOC-1: Located under Wings F (Room 127) and G of EHS and adjacent courtyard.
AOC-6	Concrete Vaults	Structure / Integrity / Contents / Release Connection to Pre 1979 Combined Sewer Contaminated Soil Vapor	None	Vaults not shown on Lancy stormwater sewer plans. Some vaults located on STCC property. Soil investigation south of football field
AOC-7	Drywell Structures	Structure / Integrity / Contents / Release	2001 Sampling Report 2003 Health Consultation 2009 EMP	Connection to OU-3/AOC-1: Located under existing EHS building
AOC-9	Oil Storage and Handling Oil House Waste Oil Storage Quench Oil Reservoir	Structure / Integrity / Contents / Release Connection to Pre 1979 Combined Sewer.	2010 DOH Health Consultation 2011 2013 EMP Annual Reports	Former oil sump and oil dip in heat treatment area Currently under EHS building

TABLE 1
SCOPE OF PAOC INVESTIGATION
Former Sperry Remington Site – North Portion
Elmira, Chemung County, New York

Proposed Action: Sub-slab Vapor and Indoor Air Investigation of EHS Building				
Area of Concern	**Description**	**NYSDEC Characterization**	**Prior Investigation**	**Notes/Comments**
AOC-12	Plating, Heat Treatment and Tumbling Areas	Different Locations Over Period of Operation • Spill Collection & Storage Pits, Sumps, Tanks • Material/Chemical Storage & Waste Discharge Extent Delineation Potential Soil / Structure Sources	2001 Sampling Report 2003 Health Consultation 2009 EMP 2010 Health Consultation 2011-2013 ACRs	Partially covered by EHS building Adjacent to EHS Room 127 No exceedances of SCOs at 2001 borings B17, B18 and B19 to the west of EHS building
AOC-13	Metals Cleaning, Vapor Degreaser and Solvent Still	Different Locations Over Period of Operation • Spill Collection & Storage Pits, Sumps, Tanks • Material/Chemical Storage & Waste Discharge Characterization Extent Delineation Potential Soil / Structure Sources	2001 Sampling Report 2003 Health Consultation 2009 EMP 2010 Health Consultation 2011-2013 ACRs	Partially covered by EHS building Adjacent to EHS Room 127
AOC-15	Wire Pickling Area	Different Locations Over Period of Operation • Spill Collection & Storage Pits, Sumps, Tanks • Material/Chemical Storage & Waste Discharge Extent Delineation Potential Soil / Structure Sources	2001 Sampling Report 2003 Health Consultation 2009 EMP 2010 Health Consultation 2011-2013 ACRs	Adjacent to OU-3/AOC-2E Partially under EHS building
AOC-16	Machine Shop Area	Different Locations Over Period of Operation • Spill Collection & Storage Pits, Sumps, Tanks • Material/Chemical Storage & Waste Discharge Extent Delineation Potential Soil / Structure Sources	2001 Sampling Report 2003 Health Consultation 2009 EMP 2010 Health Consultation 2011-2013 ACRs	Machine shop areas identified on 1931 Sanborn maps (pre-Remington Rand). Use changed with Remington Rand occupancy. Some overlap with Remington Rand era AOCs

TABLE 1
SCOPE OF PAOC INVESTIGATION
Former Sperry Remington Site – North Portion
Elmira, Chemung County, New York

Proposed Action: Storm water system inspections and catch basin sediment sampling as part of Former Sperry Remington Site (NYSDEC #808043) RI					
Area of Concern	**Description**	**NYSDEC Characterization**	**Prior Investigation**	**Notes/Comments**	
AOC-2	Pre-1979 Combined Industrial/Storm Sewer	• Structure / Integrity / Contents / Release • Extent • Collection of Surface & Subsurface Contaminants	2013 IRM PDI	Data gaps identified in IRM PDI Data Report and IRM Notification Letter	
AOC-2A	18” Clay Pipe at SE Property Corner	Structure / Integrity / Contents / Release o Extent	2001 Sampling Report 2003 Health Consultation 2009 EMP	Data gaps identified in IRM PDI Data Report and IRM Notification Letter	
AOC-2B	Drywell at SE Property Corner	Structure / Integrity / Contents / Release o Extent	2001 Sampling Report 2003 Health Consultation 2009 EMP	Drywell to be inspected during IRM. Interior inspection with video or caliper Sample interior soil/sediment Test pit to identify potential connections	
Proposed Action: Storm water system inspections as part of Former Scott Technologies Site (NYSDEC #808049) Site Characterization					
Area of Concern	**Description**	**NYSDEC Characterization**	**Prior Investigation**	**Notes/Comments**	
AOC-2E	Waste Pit near Building 44	Structure / Integrity / Contents / Release	2013 IRM PDI	Data gaps identified in IRM PDI Data Report and IRM Notification Letter	
Proposed Action: Soil Investigation as part of Former Scott Technologies Site (NYSDEC #808049) Site Characterization					
Area of Concern	**Description**	**NYSDEC Characterization**	**Prior Investigation**	**Notes/Comments**	
AOC-17	Possible Disposal Areas	Extent Delineation Potential Soil Sources	1988 PSA 2001 Sampling Report 2003 Health Consultation 2009 EMP 2010 Health Consultation 2011-2013 ACRs	Land disposal areas identified from historical aerial photographs by Dames and Moore (1988 PSA).	Soil investigation of possible disposal areas located on STCC property

References
1998 Spills EA Report: Subsurface Environmental Assessment Report, 777 South Main Street to Parkside Drive, Elmira, New York, NYSDEC Spill #94-16668. report.hw808022.1998-11-09.Spills_EA_Report
2001 Sampling Report: May – October 2000 NYSDEC Sampling report, Southside High School and Adjacent Properties. report.hw808022.2001-09-30.Sampling_Report
2003 Health Consultation: Health Consultation, Southside high School in the City of Elmira, Chemung County. report.hw808022.2003-09-30.Health_Consultation
2004 IIWA GW Investigation: IIWA Report on Groundwater Chlorinated Solvent Investigation, Southside High School and Adjacent properties. report.hw808022.2004-03-01.IIWA_Groundwater_Investigation
2009 EMP: Environmental Management Plan, Elmira City School District, Southside High School. report.hw808022.2009-06-19.Environmental_Management_Plan
2010 Health Consultation: Evaluation of exposure related to soil vapor intrusion mitigation verification, Southside High School. report.hw808026.2010-04-04.Health_Consultation
2010 ACR: 2010 Annual Certification Report. report.hw808022.2011-02-07.EHS_SED_2010_ACR
2011 ACR: 2011Annual Certification Report
2011 RI Phase I: Remedial Investigation Phase 1 Data Report, Former Sperry Remington Facility, Industrial Outfall Site, Elmira, New York, NYSDEC SITE I.D. # 808043. report.hw808043.2011-11-18.Phase1Report
2012 ACR: 2012 Annual Certification Report. report.hw808022.2013-04-25.EHS_2012 Annual Certification
2013 IRM PDI::Interim Remedial Measure Pre-Design Investigation Data Report, Former Sperry Remington Site (NYSDEC Site I.D. #808043), City of Elmira, Chemung County, NY. report.hw808043.2013-02-19.IRMPDI
2013 RI Phase II Report: Former Sperry Remington Site (NYSDEC Site I.D. #808043), Remedial Investigation Phase 2 Data Report, City Of Elmira, Chemung County, NY report.hw808043.2013-01-09.RIPhase2
2013 IA Sampling: HVAC Evaluation Findings, Southside High School Room 127, Elmira, New York.

TABLE 2
COMBINED INDUSTRIAL SEWER INSPECTION SUMMARY

Former Sperry Remington Site - North Portion
Elmira, New York

Survey Run	Distance/Length Covered (feet)	Pipe Type	Approx. Pipe Diameter (inches)	Pipe Condition	Observations and Comments
CB-1 to south towards CB-2	104.8	Concrete (non-reinforced)	30	Not intact	Survey was abandoned as the drain was collapsed; drain was dry; A 15” drain coming in from the right at 40.6 ft.
CB-1 to north northwest towards CB-24	35.97	Concrete (non-reinforced)	24	Not intact	Survey was abandoned as the drain was collapsed / blocked with dry fine-grained material / gravel; Drain was dry.
CB-3 to south southwest	16.25	Concrete (non-reinforced)	12	Intact	Survey ended at the downstream manhole; tie-in at the main line.
CB-3 to north towards CB-2	109.77	Concrete (non-reinforced)	30	Not intact	Survey was initially stopped as abundant debris and sticks were present at ~ 10 ft. The line was flushed to resume the survey. The survey was abandoned as the drain was collapsed / blocked with fine-grained material and gravel.
CB-3 to south southeast towards STCC	42.2	Brick	30	Not intact	Survey ended at the downstream manhole structure with two connecting drains; one was bulk headed and the other had water. The main line had water and fine-grained material
CB-3 to southwest	13.46	Concrete (non-reinforced)	30	Not intact	Survey was abandoned at the juncture with two connecting drain. The one drain was bulkheaded at 9.42 ft while the other was collapsed at 13.46 ft.
CB-4 to CB-5	349.34	Concrete (non-reinforced)	33	Intact	Survey ended at CB-5; drain was dry.
CB-4 to CB-6	189.3	Concrete (non-reinforced)	33	Intact	Survey was abandoned at 299.41 ft since the 48” sewer was previously inspected. Drain was dry, some plant roots and debris present on the roof of the drain.
CB-7 to east	22.47	Concrete (non-reinforced)	12	Intact	Survey ended at the downstream manhole with the connecting 48” drain.
CB-4 to west	82	Concrete (non-reinforced)	12	Intact	Survey ended at the downstream / western manhole; drain was dry.
CB-1 to CB-8	22.92	Concrete (non-reinforced)	12	Not Intact	Survey abandoned since the drain was collapsed / blocked with dry fine-grained material and gravel; drain was dry; change in drain size from 12” to 10” at ~ 7 ft. CB-8 was collapsed.
CB-6 to west towards the chiller	166.02	Concrete (non-reinforced)	24	Intact	Survey ended at the upstream connection from the chiller; the drain had water from the chiller drain.
San.-1 to north northeast	189.63	Clay Tile	12	Intact	Survey ended since the drain had abundant fine-grained material and debris; A 6” drain coming in from the top left at 2.26, 48.69, 93.57, and 154.25 ft. Another 6” drain coming in from top right at 26.35 and 162.48 ft. A 4” drain coming in from top right at 95.6 ft.
San.-1 to west	38.21	Clay Tile	12	Intact	Survey ended downstream. drain had water; a 6” drain coming in from top right at 38.21 ft.
CB-9 to CB-10	87.52	Concrete (non-reinforced)	24	Intact	Survey ended at upstream manhole; drain was dry
CB-9 to CB-11	22.09 ft	Concrete (non-reinforced)	18	Intact	Survey ended at upstream manhole; drain was dry
CB-11 to CB-12	133.76	Concrete (non-reinforced)	15	Intact	Survey ended at upstream manhole; drain was dry
CB-12 to CB-13	**99.42**	Concrete (non-reinforced)	15	Intact	Survey ended at upstream manhole; drain was dry.
CB-9 to east towards CB-5	221.26	Concrete (non-reinforced)	30	Intact	Survey ended at downstream manhole; drain had some construction debris at 219.73 ft.
CB-14 to CB-9	32.31	Concrete (non-reinforced)	18	Intact	Survey ended at downstream manhole; drain was dry.
CB-14 to CB-15	79.27	Concrete (non-reinforced)	18	Intact	Survey ended at upstream manhole; drain was dry.
CB-16 to CB-15	60.35	Concrete (non-reinforced)	18	Intact	Survey ended at downstream manhole; drain was dry.
CB-16 to CB-17	65.32	Concrete (non-reinforced)	15	Intact	Survey ended at upstream manhole; drain was dry.

TABLE 2
COMBINED INDUSTRIAL SEWER INSPECTION SUMMARY

Former Sperry Remington Site - North Portion
Elmira, New York

Survey Run	Distance/Length Covered (feet)	Pipe Type	Approx. Pipe Diameter (inches)	Pipe Condition	Observations and Comments
CB-18 to CB-17	145.72	Concrete (non-reinforced)	15	Intact	Survey ended at downstream manhole; drain had some fine-grained material and mud at 62.95 ft. Two 4” drains coming in – one from top right at 69.97 ft and the other from top left at 75.03 ft.
CB-19 to CB-10	33.17	Concrete (non-reinforced)	18	Intact	Survey ended at downstream manhole; drain was dry.
CB-11 to CB-20	49.98	Concrete (non-reinforced)	12	Intact	Survey ended at upstream manhole; drain was dry.
CB-21 to south southeast towards mainline at CB-6	56.16	Concrete (non-reinforced)	12	Intact	Survey ended at downstream connection to main line towards CB-6; drain was dry.
CB-22 to east toward CB-6	135.5	Concrete (non-reinforced)	24	Intact	Survey of the reverse line was completed / abandoned at the chiller line; drain contained water, fine-grained material, gravel / rocks, concrete, debris at 18.31 ft. Chiller plat access was observed at 35.06 ft.
CB-23 to east towards CB-22	53.9	Concrete (non-reinforced)	24	Intact	Survey ended at upstream manhole; drain was dry. A 10” line coming in from top left at 6.7 ft.
CB-24 to south towards CB-1	74.75	Concrete (non-reinforced)	24	Not Intact	Survey was abandoned as the drain was broken / blocked with soil, gravel, and debris. A hole with soil gravel was observed at 71.73 ft and the drain appeared broken at 72.83. ft
CB-24 to north northeast	9.4	Concrete (non-reinforced)	24	Not Intact	Survey was abandoned due to intruding lateral; the drain was dry. A 10” drain coming in from left at 8.08 ft.
CB-25 to north northwest towards SSHS	0.53	Clay Tile	30	Not intact	Survey was abandoned as the drain inlet was bulk headed.

TABLE 3A
SURFACE SOIL SAMPLING SUMMARY

Former Sperry Remington - North Portion
Elmira, New York

Historic Sample Location	Field ID	Sampling Interval	Analytical Program	Rationale
		Surface 0 to 2 in bgs		
SSHS-B46	SSHS-B46-A	X	PCBs	Confirm PCBs in surface soil > 1 mg/kg
SSHS-B47	SSHS-B47-A	X	SVOCs	Confirm PAHS in suface soil above SCOs
SSHS-B9	SSHS-B9-A	X	PCBs	Verify compliance with SCOs in surface soils
SSHS-B32	SSHS-B32-A	X	PCBs	PCBS > 8 mg/kg @ 1-4' bgs
SSHS-B34	SSHS-B34-A	X	PCBs	PCBs > 4 mg/kg @ 1-4' bgs
SSHS-B1S	SSHS-B1S-A	X	PCBs	Confirm composite sample (1-6' @ 4.5 mg/kg)
SSHS-B4SS	SSHS-B4SS-A	X	PCBs	Confirm PCBs in composite sample
SSHS-B9SS	SSHS-B9SS-A	X	PCBs	Confirm PCBs in composite sample
SSHS-FB1	SSHS-FB1-A	X	PCBs	Verify compliance with SCOs in surface soils
SSHS-FB2	SSHS-FB2-A	X	PCBs	Verify compliance with SCOs in surface soils
SSHS-FB3	SSHS-FB3-A	X	PCBs	Verify compliance with SCOs in surface soils
SSHS-FB4	SSHS-FB4-A	X	PCBs, SVOCs	Verify compliance with SCOs in surface soils
SSHS-FB6	SSHS-FB6-A	X	PCBs, SVOCs	Verify compliance with SCOs in surface soils
SSHS-SS14	SSHS-SS14-A	X	Metals	Confirm metals in surface soil (Copper @862 mg/kg)
SSHS-FB9	SSHS-FB9-A	X	PCBs, SVOCs	Verify compliance with SCOs in surface soils
SSHS-FB10	SSHS-FB10-A	X	PCBs, SVOCs	Verify compliance with SCOs in surface soils
SSHS-FB11	SSHS-FB11-A	X	PCBs	Verify compliance with SCOs in surface soils

TABLE 3A
SURFACE SOIL SAMPLING SUMMARY

Former Sperry Remington - North Portion
Elmira, New York

Historic Sample Location	Field ID	Sampling Interval	Analytical Program	Rationale
		Surface 0 to 2 in bgs		
SSHS-SS2/SS7	SSHS-SS15	X	PCBs	Verify compliance with SCOs in surface soils between SSHS-S1 and SSHS-SS7
SSHS-SS1/SS7	SSHS-SS16	X	PCBs	Verify compliance with SCOs in surface soils between SSHS-S2 and SSHS-SS8

Notes:

SCO - Restricted Residential Soil Cleanup Objective (6 NYCRR Subpart 375)
PAHs - polynuclear aromatic hydrocarbons
PCBs - Polychlorinated Biphenyls
VOCs - volatile organic compound
SVOCs - semi-volatile organic compounds
in bgs - inches below ground surface
mg/kg -milligrams/kilogram
X - Sample obtained at this interval

TABLE 3B
SHALLOW SUBSURFACE SOIL BORING SAMPLING SUMMARY

Fomer Sperry Remington Site - North Portion
Elmira, New York

Historic Sample Location	Field ID	Sampling Interval			Analytical Program	Rationale
		Surface 0 to 2 in bgs	Sub 1 1 to 2 ft bgs	Sub 2 2 to 3 ft bgs		
SSHS-FB7	SSHS-FB7-A	X	X	X	PCBs	Confirm PCBs >100 mg/kg @ 1-3' bgs; <SCO @ surface
	SSHS-FB7-B	X	X	X	PCBs	
	SSHS-FB7-C	X	X	X	PCBs	
	SSHS-FB7-D	X	X	X	PCBs	
	SSHS-FB7-E	X	X	X	PCBs	
SSHS-FB5	SSHS-FB5-A	X	X	X	VOCs	Confirm VOCs in shallow subsurface (TCE 110 mg/kg @2-4 ft bgs)
	SSHS-FB5-B	X	X	X	VOCs	
	SSHS-FB5-C	X	X	X	VOCs	
	SSHS-FB5-D	X	X	X	VOCs	
	SSHS-FB5-E	X	X	X	VOCs	
SSHS-B15	SSHS-B15-A	X	X	X	PCBs	Confirm PCBs in shallow (74 mg/kg @ 4-5 ft bgs)
	SSHS-B15-B	X	X	X	PCBs	
	SSHS-B15-C	X	X	X	PCBs	
SSHS-SS12	SSHS-SS12-A	X	X	X	PCBs	Confirm PCBs in surface soil > 3 mg/kg
	SSHS-SS12-B	X	X	X	PCBs	
	SSHS-SS12-C	X	X	X	PCBs	

Notes:

SCO - Restricted Residential Soil Cleanup Objective (6 NYCRR Subpart 375)
PCBs - Polychlorinated Biphenyls
VOCs - volatile organic compound
in bgs - inches below ground surface
ft bgs - feet below ground surface
mg/kg -milligrams/kilogram
X - Sample obtained at this interval

TABLE 3C
SUBSURFACE SOIL BORING SAMPLING SUMMARY

Fomer Sperry Remington Site - North Portion
Elmira, New York

PAOC	Field ID	Sampling Interval					Sample Analysis						Rationale
		Surface 0 to 2 in bgs	**Sub 1** 2 to 24 in bgs	**Sub 2** 2 to 6 ft bgs	**Sub 3** 6 to 10 ft bgs	**Sub 4** 10 ft bgs to water table	PCBs	Metals	VOCs	SVOCs	Pesticides	Cyanide	
AOC-2/AOC-13	SSHS-B92	NA	X	X	X	X	X	X	X	X	X	X	Former Combined Industrail Sewer Former Metal Cleaning, Vapor Degreaser, Solvent Still
	SSHS-B93	X	X	X	X	X	X	X	X	X	X	X	
	SSHS-B94	X	X	X	X	X	X	X	X	X	X	X	
	SSHS-B95	X	X	X	X	X	X	X	X	X	X	X	
	SSHS-B96	X	X	X	X	X	X	X	X	X	X	X	
AOC-12	SSHS-B97	X	X	X	X	X	X	X	X	X	X	X	Former Plating, Heat Treatment and Tumbling Areas
AOC-4	SSHS-B99	X	X	X	X	X	X	X	X	X	X	X	Former Earthen Waste Pits PCBs above SCOs <4 ft bgs
	SSHS-B26-A	X	X	X	X	X	X	X	X	X	X	X	
	SSHS-B29-A	X	X	X	X	X	X	X	X	X	X	X	
AOC-2/AOC-6	SSHS-B98	X	X	X	X	X	X	X	X	X	X	X	Former Combined Industrail Sewer
AOC-16	SSHS-B73	X	X	X	X	X	X	X	X	X	X	X	Machine shap area (pre-Remeington Rand)
	SSHS-B74	X	X	X	X	X	X	X	X	X	X	X	
AOC-8/AOC-10	SSHS-B70	X	X	X	X	X	X	X	X	X	X	X	Westinghouse Tramsformer Spill; PCBs at 4 -5 ft bgs at B15 bounded with surface soil samples
AOC-10/AOC-17	SSHS-B64	NA	X	X	X	X	X	X	X	X	X	X	Step outs from B24 and B25 and investigation of former coal pile
	SSHS-B65	NA	X	X	X	X	X	X	X	X	X	X	
	SSHS-B66	NA	X	X	X	X	X	X	X	X	X	X	
	SSHS-B67	NA	X	X	X	X	X	X	X	X	X	X	
	SSHS-B68	NA	X	X	X	X	X	X	X	X	X	X	
	SSHS-B69	NA	X	X	X	X	X	X	X	X	X	X	
	SSHS-B100	NA	X	X	X	X	X	X	X	X	X	X	
	SSHS-B101	NA	X	X	X	X	X	X	X	X	X	X	
AOC-7/AOC-16	SSHS-B71	NA	X	X	X	X	X	X	X	X	X	X	Former Dry Well Machine shap area (pre-Remeington Rand)
	SSHS-B72	X	X	X	X	X	X	X	X	X	X	X	
AOC-16	SSHS-B75	X	X	X	X	X	X	X	X	X	X	X	Machine shap area (pre-Remeington Rand)
	SSHS-B76	X	X	X	X	X	X	X	X	X	X	X	
	SSHS-B77	X	X	X	X	X	X	X	X	X	X	X	

TABLE 3C
SUBSURFACE SOIL BORING SAMPLING SUMMARY

Fomer Sperry Remington Site - North Portion
Elmira, New York

PAOC	Field ID	Sampling Interval: Surface 0 to 2 in bgs	Sub 1 2 to 24 in bgs	Sub 2 2 to 6 ft bgs	Sub 3 6 to 10 ft bgs	Sub 4 10 ft bgs to water table	Sample Analysis: PCBs	Metals	VOCs	SVOCs	Pesticides	Cyanide	Rationale
AOC-14 AOC-16	SSHS-B78	NA	X	X	X	X	X	X	X	X	X	X	Former Paint Pit and Sludge Settling Ponds Machine shop area (pre-Reminngton Rand)
	SSHS-B79	NA	X	X	X	X	X	X	X	X	X	X	
	SSHS-B80	NA	X	X	X	X	X	X	X	X	X	X	
	SSHS-B81	NA	X	X	X	X	X	X	X	X	X	X	
	SSHS-B82	NA	X	X	X	X	X	X	X	X	X	X	
	SSHS-B83	X	X	X	X	X	X	X	X	X	X	X	
	SSHS-B84	NA	X	X	X	X	X	X	X	X	X	X	
	SSHS-B85	X	X	X	X	X	X	X	X	X	X	X	
	SSHS-B86	NA	X	X	X	X	X	X	X	X	X	X	
	SSHS-B87	NA	X	X	X	X	X	X	X	X	X	X	
	SSHS-B88	NA	X	X	X	X	X	X	X	X	X	X	
	SSHS-B89	X	X	X	X	X	X	X	X	X	X	X	
	SSHS-B90	X	X	X	X	X	X	X	X	X	X	X	
	SSHS-B91	X	X	X	X	X	X	X	X	X	X	X	
AOC-3A	SSHS-B42-A	X	X	X	X	X	X	X	X	X	X	X	Former Dry Wells Metals above SCOs <2 ft bgs
	SSHS-B43-A	X	X	X	X	X	X	X	X	X	X	X	

Notes:

SCO - Restricted Residential Soil Cleanup Objective (6 NYCRR Subpart 375)
COPC - Compound of Potential Concern
PCBs - Polychlorinated Biphenyls
VOCs - volatile organic compound
SVOCs - semi-volatile organic compounds
in bgs - inches below ground surface
ft bgs - feet below ground surface
mg/kg -milligrams/kilogram
X - Sample obtained at this interval
NA - Not Applicable, Paved Area

TABLE 4
GROUNDWATER SAMPLING SUMMARY

Former Sperry Remington Site - North Portion
Elmira, New York

Well ID	Sampling Method	Sample Analysis				Rationale
		VOCs	SVOCs	TPH	PCB	
MW-8S	Low-flow	X	NA	X	NA	Resamplng based on historic exceedance of TOGS 1.1.1
MW-10	Low-flow	NA	NA	NA	X	Resamplng based on historic exceedance of TOGS 1.1.1
MW-13	Low-flow	X	NA	X	NA	Resamplng based on historic exceedance of TOGS 1.1.1
MW-30	Low-flow	X	NA	X	NA	Resamplng based on historic exceedance of TOGS 1.1.1
MW-34	Low-flow	NA	NA	NA	X	Resamplng based on historic exceedance of TOGS 1.1.1
MW-38	Low-flow	NA	NA	NA	X	Resamplng based on historic exceedance of TOGS 1.1.1
MW-41	Low-flow	NA	NA	NA	X	Resamplng based on historic exceedance of TOGS 1.1.1
SSHS-B92	Direct Push	X	NA	NA	NA	Former Combined Industrail Sewer Former Metal Cleaning, Vapor Degreaser, Solvent Still
SSHS-B93	Direct Push	X	NA	NA	NA	
SSHS-B94	Direct Push	X	NA	NA	NA	
SSHS-B95	Direct Push	X	NA	NA	NA	
SSHS-B96	Direct Push	X	NA	NA	NA	
SSHS-B97	Direct Push	X	NA	NA	NA	Former Plating, Heat Treatment and Tumbling Areas
SSHS-B98	Direct Push	X	NA	NA	NA	Former Combined Industrail Sewer
SSHS-B26-A	Direct Push	X	X	X	NA	Former Earthen Waste Pits PCBs above SCOs <4 ft bgs
SSHS-B29-A	Direct Push	X	X	X	X	
SSHS-B99	Direct Push	X	X	X	X	

Notes:

VOC - Volatile organic compound

PCB - Polychlorinated biphenyl

TPH - Total pertroleum hydrocarbon

X - Analysis requested

NA - No Analysis

TOGS 1.1.1 - NYSDEC Technical Operational Guidance Series 1.1.1 (NYSDEC, 1998)

SCO - Restricted Residential Soil Cleanup Objective (6 NYCRR Subpart 375)

TABLE 5
MONITORING WELL INSPECTION RESULTS

Former Sperry Remington - North Portion
Elmira, New York

Well ID	Date	DTB [ft bTOC]	DTW [ft bTOC]	Type	Diameter (inches)	Labeled	Condition	Capped	Locked/Bolted	Notes
MW-7	8/21/2014	13.3	>13.3	flush-mount PVC	3/4	no	poor	no	missing bolts	1" diameter piezometer, slanted casing, well casing not capped
MW-8	8/21/2014	17.75	14.51	flush-mount PVC	2	no	good	yes (broken)	unlocked	
MW-9	8/21/2014	20.35	14.86	flush-mount PVC	2	no	good	yes	bolted	needs new cap
MW-10	8/21/2014	20.05	14.63	flush-mount PVC	2	no	good	yes	unlocked	bailer in well
MW-11D	8/11/2014	78.12	17.91	flush-mount PVC	2	no	good	yes (broken)	bolted	
MW-11S	8/11/2014	21.13	16.62	flush-mount PVC	2	no	good	yes	bolted	bailer in well
MW-12	8/21/2014	19.49	15.5	flush-mount PVC	2	no	good	yes	missing bolts	
MW-13	8/11/2014	21.98	15.44	flush-mount PVC	2	no	good	yes (broken)	Bolted	bailer in well
MW-15D	8/11/2014	76.11	18.12	flush-mount PVC	2	yes	good	yes	missing bolts	
MW-15S	8/11/2014	17.75	15.26	flush-mount PVC	2	no	good	yes (broken)	bolted	
MW-16	8/11/2014	13.81	>13.81	flush-mount PVC	2	no	poor	yes (broken)	missing lid	well was paved over and nearly filled in; cap discovered after shallow digging
MW-30	11/13/2014	15.09	17.9	flush-mount PVC	2	no	good	yes	bolted	
MW-31	8/21/2014	17.95	14.66	flush-mount PVC	2	no	good	yes	bolted (only one bolt)	
MW-32	8/21/2014	18	14.3	flush-mount PVC	2	no	good	yes	bolted	bailer in well
MW-33	8/11/2014	19.38	15.28	flush-mount PVC	2	no	good	yes	bolted	0.01 feet of product in well
MW-34	8/11/2014	19.44	15.31	flush-mount PVC	2	no	good	no	bolted	
MW-36	8/11/2014	19.04	16.28	flush-mount PVC	2	no	good	no	bolted (all but one socket stripped)	
MW-37	8/11/2014	18.71	15.33	flush-mount PVC	2	no	good	yes	bolted	
MW-38	8/21/2014	19.9	16.51	flush-mount PVC	2	no	good	yes	bolted (only two bolts)	needs new cap
MW-39	8/11/2014	24.58	14.79	flush-mount PVC	2	no	good	yes	bolted (lid damaged)	mild odor
MW-40	8/11/2014	24.44	16.02	flush-mount PVC	2	no	good	yes	bolted	
MW-41	8/21/2014	27.3	20.54	stick-up PVC	2	yes	good	yes	bolted	gray sediment in bottom

Notes:
Monitoring wells MW28, MW29, MW14, MW6, MW8D, and MWD could not be located are presumed lost and/or abandoned.
ft bTOC: feet below top of casing
PVC: polyvinyl chloride

TABLE 6
MONITORING WELL SURVEY DATA AND WATER LEVEL MEASUREMENTS

Former Sperry Remington - North Portion
Elmira, New York

Well ID	Northing	Easting	TOC Elevation [ft amsl]	DTB [ft bTOC]	DTW [ft bTOC]	DTP [ft bTOC]	GW Elevation [ft msl]
MW-7	753928.0	762705.5	852.47	13.3	Dry (>13.3)	ND	<839.17
MW-8	754022.5	762648.8	853.73	17.8	15.36	ND	838.37
MW-9	754165.8	762571.7	853.90	20.4	15.64	ND	838.26
MW-10	754303.1	762480.5	853.13	20.1	15.2	ND	837.93
MW-11D	754704.9	762292.0	855.07	78.1	18.71	ND	836.36
MW-11S	754699.6	762292.8	854.74	21.1	17.08	ND	837.66
MW-12	754101.4	762480.3	854.74	19.5	16.27	ND	838.47
MW-13	754234.0	762356.8	854.80	22.0	16.11	ND	838.69
MW-15D	754148.2	762119.5	855.75	76.1	18.71	ND	837.04
MW-15S	754149.2	762124.6	855.72	17.8	16.1	ND	839.62
MW-16	754439.3	761973.8	854.89	13.5	Dry (>13.5)	ND	<841.39
MW-30	754097.6	762562.4	853.44	17.9	15.09	ND	838.35
MW-31	754158.9	762536.2	853.75	18.0	15.43	ND	838.32
MW-32	754284.0	762491.8	852.75	18.0	15.42	ND	837.33
MW-33	754293.7	762456.4	853.89	19.4	15.95	15.94	837.94
MW-34	754327.4	762470.8	853.69	19.4	15.9	ND	837.79
MW-36	754326.3	762280.8	855.66	19.0	16.99	ND	838.67
MW-37	754294.1	762371.2	854.55	18.7	16.01	ND	838.54
MW-38	754419.6	762398.3	854.86	19.9	17.02	ND	837.84
MW-39	754295.3	762202.4	854.87	24.6	15.6	ND	839.27
MW-40	754360.9	762363.4	854.90	24.4	16.67	ND	838.23
MW-41	754348.4	762550.5	858.74	27.3	21.17	ND	837.57

Notes:

TOC ft amsl: top of casing feet above mean sea level

ft bTOC: feet below top of casing

ft msl: feet mean sea level

TOC: top of inner casing

DTB: depth to bottom

DTW: depth to water

DTP: depth to product

ND: free product not detected in monitoring well

Northings and Eastings presented in State Plane NAD83 New York Central, coordinate units are feet

GW: groundwater

Water levels measured on 13 November 2014

Vertical datum is North America Vertical Datum 1988

TABLE 7
RESTRICTED RESIDENTIAL
SOIL CLEANUP OBJECTIVES

Former Sperry Remington - North Portion
Elmira, New York

Inorganics	Restricted Residential SCO
Arsenic	**16**
Barium	**400**
Beryllium	72
Cadmium	4.3
Chromium (III+VI)	**110**
Copper	**270**
Cyanide Total	**27**
Lead	**400**
Manganese	2000
Mercury	**0.81**
Nickel	**310**
Selenium	180
Silver	180
Zinc	10000
Organochlorine Pesticides	**Restricted Residential SCO**
4,4-DDE	8.9
a-BHC	0.48
Aldrin	0.097
b-BHC	0.36
Chlordane (cis)	4.2
d-BHC	100
DDD	13
DDT	7.9
Dieldrin	0.2
Endosulfan I	24
Endosulfan II	24
Endosulfan sulphate	24
Endrin	11
g-BHC (Lindane)	1.3
Heptachlor	2.1
PCBs	**Restricted Residential SCO**
PCBs, Total	**1**

TABLE 7
RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES

Former Sperry Remington - North Portion
Elmira, New York

SVOCs	**Restricted Residential SCO**
2-methylphenol	100
4-methylphenol	100
Acenaphthene	100
Acenaphthylene	100
Anthracene	100
Benz(a)anthracene	**1**
Benzo(a) pyrene	**1**
Benzo(b)fluoranthene	**1**
Benzo(g,h,i)perylene	100
Benzo(k)fluoranthene	**3.9**
Chrysene	**3.9**
Dibenz(a,h)anthracene	**0.33**
Dibenzofuran	59
Fluoranthene	**100**
Fluorene	100
Indeno(1,2,3-c,d)pyrene	**0.5**
Naphthalene	100
Phenanthrene	**100**
Phenol	100
Pyrene	**100**
VOCs	**Restricted Residential SCO**
1,1,1-trichloroethane	100
1,1-dichloroethane	26
1,1-dichloroethene	100
1,2-dichlorobenzene	100
1,2-dichloroethane	3.1
1,3-dichlorobenzene	49
1,4-dichlorobenzene	13
1,4-Dioxane	13
Acetone	100
Benzene	4.8
Carbon tetrachloride	2.4
Chlorobenzene	100
Chloroform	49
cis-1,2-dichloroethene	100
Dichloromethane	100
Ethylbenzene	41
Hexachlorobenzene	1.2
Methyl Ethyl Ketone	100

TABLE 7
RESTRICTED RESIDENTIAL
SOIL CLEANUP OBJECTIVES

Former Sperry Remington - North Portion
Elmira, New York

VOCs	Restricted Residential SCO
Methyl-tert-butyl ether	100
Pentachlorophenol	6.7
Tetrachloroethene	19
Toluene	100
trans-1,2-dichloroethene	100
Trichloroethene	**21**
Vinyl chloride	0.9

Notes

SCO: Soil Cleanup Objectives presented in 6 New York State Department of Environmental Conservation Subpart 375

PCBs: polychlorinated biphenyls

SVOCs: semi-volatile organic compounds

VOCs: volatile organic compounds

Compounds of Potential Concern (COPCs) have exceeded Restricted Residential SCOs based on soil analytical results from previous investigations and are shown shaded and in bold.

All values are in units of milligrams per kilogram (mg/kg).

TABLE 7
SUMMARY OF DETECTED CONSTITUENTS IN SURFACE SOIL

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			Athletic Stands and Surrounding Vicinity							Science Addition - East Side			Gymnasium				
Sample Location			SSHS-B15-A	SSHS-B15-B	SSHS-B15-C	SSHS-SS12-A	SSHS-SS12-B	SSHS-SS12-C	SSHS-B70	SSHS-B1S-A	SSHS-B4SS-A	SSHS-B9SS-A	SSHS-B32-A	SSHS-B34-A	SSHS-SS14-A	SSHS-B26-A	SSHS-B29-A
Depth Interval Sampled [feet]			0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Date Sampled			7/22/2014	7/22/2014	7/22/2014	7/22/2014	7/22/2014	7/22/2014	8/14/2014	7/22/2014	7/22/2014	7/22/2014	7/21/2014	7/21/2014	7/21/2014	8/14/2014	8/13/2014
Inorganics	**Units**	**SCOs**															
Aluminum	mg/kg		-	-	-	-	-	-	**11,000**	-	-	-	-	-	**8,200**	**10,000**	**10,000**
Arsenic	mg/kg	**16**	-	-	-	-	-	-	**8.5**	-	-	-	-	-	**6.4**	**9**	**8.3**
Barium	mg/kg	**400**	-	-	-	-	-	-	**110**	-	-	-	-	-	**94**	**110**	**120**
Beryllium	mg/kg	**72**	-	-	-	-	-	-	**0.58**	-	-	-	-	-	**0.43**	**0.52J**	**0.52**
Calcium	mg/kg		-	-	-	-	-	-	**2,200**	-	-	-	-	-	**4,500J**	**3,000**	**3,000**
Chromium (III+VI)	mg/kg	**110**	-	-	-	-	-	-	**14**	-	-	-	-	-	**11**	**13**	**14B**
Cobalt	mg/kg		-	-	-	-	-	-	**9**	-	-	-	-	-	**7.9**	**8.7**	**8.9**
Copper	mg/kg	**270**	-	-	-	-	-	-	**18**	-	-	-	-	-	**13**	**17**	**23**
Cyanide Total	mg/kg	**27**	-	-	-	-	-	-	<0.64U	-	-	-	-	-	-	<0.68U	**0.21J**
Iron	mg/kg		-	-	-	-	-	-	**21,000B**	-	-	-	-	-	**17,000**	**20,000**	**21,000**
Lead	mg/kg	**400**	-	-	-	-	-	-	**23**	-	-	-	-	-	**15**	**17**	**28**
Magnesium	mg/kg		-	-	-	-	-	-	**2,800**	-	-	-	-	-	**3,500**	**2,900**	**2,900**
Manganese	mg/kg	**2,000**	-	-	-	-	-	-	**650**	-	-	-	-	-	**440**	**480**	**510**
Mercury	mg/kg	**0.81**	-	-	-	-	-	-	**0.032J**	-	-	-	-	-	**0.2**	**0.17**	**0.093**
Nickel	mg/kg	**310**	-	-	-	-	-	-	**20**	-	-	-	-	-	**18**	**23**	**32B**
Potassium	mg/kg		-	-	-	-	-	-	**1,100B**	-	-	-	-	-	**710**	**1,100**	**1,100**
Vanadium	mg/kg		-	-	-	-	-	-	**16**	-	-	-	-	-	**12**	**14**	**14**
Zinc	mg/kg	**10,000**	-	-	-	-	-	-	**61B**	-	-	-	-	-	**55B**	**63B**	**69B**
Organochlorine Pesticides	**Units**	**SCOs**															
Chlordane (trans)	mg/kg		-	-	-	-	-	-	**0.0088**	-	-	-	-	-	-	<0.0047U	<0.016U
DDT	mg/kg	**7.9**	-	-	-	-	-	-	**0.014**	-	-	-	-	-	-	**0.0067**	**0.021**
Dieldrin	mg/kg	**0.2**	-	-	-	-	-	-	<0.00036U	-	-	-	-	-	-	<0.00038U	**0.0031**
Endrin	mg/kg	**11**	-	-	-	-	-	-	<0.0058U	-	-	-	-	-	-	<0.0034U	<0.011U
PCBs	**Units**	**SCOs**															
Arochlor 1248	mg/kg		**0.086J**	**0.62J**	**0.038J**	**0.37J**	**2.1J**	**0.3J**	**0.74**	<0.00087U	<0.00088U	<0.00082U	**0.55J**	**0.071J**	-	**0.36**	**0.9**
Arochlor 1254	mg/kg		**0.066J**	**0.4J**	**0.032J**	**0.21J**	**2.2J**	**0.26J**	<0.003U	<0.0013U	<0.0013U	<0.0012U	**0.32J**	**0.058J**	-	<0.0032U	<0.0031U
Arochlor 1260	mg/kg		<0.00064U	<0.0013U	<0.0013U	<0.00071U	<0.0034U	<0.0007U	**0.083**	<0.0013U	<0.0013U	<0.0012U	<0.0013U	<0.0013U	-	**0.049**	**0.14**
Arochlor 1262	mg/kg		<0.00098U	<0.0021U	<0.002U	<0.0011U	<0.0052U	<0.0011U	<0.0047U	<0.002U	<0.002U	<0.0019U	<0.002U	**0.029J**	-	<0.0049U	<0.0047U
Arochlor-Total	mg/kg	**1**	**0.152**	**1.02**	**0.07**	**0.58**	**4.3**	**0.56**	**0.823**	**ND**	**ND**	**ND**	**1.07**	**0.157**	-	**0.409**	**1.04**
SVOCs	**Units**	**SCOs**															
2-methylnaphthalene	mg/kg		-	-	-	-	-	-	**0.013J**	-	-	-	-	-	-	<0.0081U	**0.0089J**
Acenaphthene	mg/kg	**100**	-	-	-	-	-	-	<0.0082U	-	-	-	-	-	-	<0.0087U	<0.0084U
Acenaphthylene	mg/kg	**100**	-	-	-	-	-	-	**0.044J**	-	-	-	-	-	-	<0.01U	<0.01U
Anthracene	mg/kg	**100**	-	-	-	-	-	-	**0.036J**	-	-	-	-	-	-	<0.0088U	**0.022J**
Benz(a)anthracene	mg/kg	**1**	-	-	-	-	-	-	**0.13**	-	-	-	-	-	-	**0.053J**	**0.083J**
Benzo(a) pyrene	mg/kg	**1**	-	-	-	-	-	-	**0.15**	-	-	-	-	-	-	**0.066J**	**0.076J**
Benzo(b)fluoranthene	mg/kg	**1**	-	-	-	-	-	-	**0.2**	-	-	-	-	-	-	**0.092**	**0.073J**
Benzo(g,h,i)perylene	mg/kg	**100**	-	-	-	-	-	-	**0.15**	-	-	-	-	-	-	**<0.074J**	**0.06J**
Benzo(k)fluoranthene	mg/kg	**3.9**	-	-	-	-	-	-	**0.081J**	-	-	-	-	-	-	**0.042J**	**0.071J**
Bis(2-ethylhexyl) phthalate	mg/kg		-	-	-	-	-	-	<0.069U	-	-	-	-	-	-	<0.073U	**0.1J**
Carbazole	mg/kg		-	-	-	-	-	-	<0.0079U	-	-	-	-	-	-	<0.0083U	<0.0081U
Chrysene	mg/kg	**3.9**	-	-	-	-	-	-	**0.16**	-	-	-	-	-	-	**0.074J**	**0.11**
Dibenz(a,h)anthracene	mg/kg	**0.33**	-	-	-	-	-	-	**0.04J**	-	-	-	-	-	-	<0.01U	<0.0097U
Fluoranthene	mg/kg	**100**	-	-	-	-	-	-	**0.25**	-	-	-	-	-	-	**0.12**	**0.19**
Fluorene	mg/kg	**100**	-	-	-	-	-	-	<0.011U	-	-	-	-	-	-	<0.012U	<0.012U
Indeno(1,2,3-c,d)pyrene	mg/kg	**0.5**	-	-	-	-	-	-	**0.12**	-	-	-	-	-	-	**0.061J**	**0.049J**
Naphthalene	mg/kg	**100**	-	-	-	-	-	-	<0.0074U	-	-	-	-	-	-	<0.0078U	<0.0075U
N-nitrosodi-n-propylamine	mg/kg		-	-	-	-	-	-	<0.01U	-	-	-	-	-	-	<0.011U	<0.01U
Phenanthrene	mg/kg	**100**	-	-	-	-	-	-	**0.076J**	-	-	-	-	-	-	**0.043J**	**0.1**
Pyrene	mg/kg	**100**	-	-	-	-	-	-	**0.21**	-	-	-	-	-	-	**0.095**	**0.17**
VOCs	**Units**	**SCOs**															
1,1-dichloroethene	mg/kg	**100**	-	-	-	-	-	-	<0.001U	-	-	-	-	-	-	**1.3**	<0.00095U
Acetone	mg/kg	**100**	-	-	-	-	-	-	<0.006U	-	-	-	-	-	-	**0.34J**	<0.0056U
Freon 113	mg/kg		-	-	-	-	-	-	<0.0013U	-	-	-	-	-	-	**0.72**	<0.0012U
Methyl acetate	mg/kg		-	-	-	-	-	-	<0.0011U	-	-	-	-	-	-	**1.7**	<0.001U

Notes:

J: estimated value	SVOCs: semi-volatile organic compounds
U: non-detect	VOCs: volatile organic compounds
E: result exceeded calibration range	SOCs Restricted
mg/kg: milligrams per kilogram	ND: none of the individual Arochlors were detected above the method
- : not analyzed	**Detections are presented in bold.**
PCBs: polychlorinated biphenyls	Concentrations detected above the SCOs are presented in gray

TABLE 7
SUMMARY OF DETECTED CONSTITUENTS IN SURFACE SOIL

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			Gymnasium	Athletic Fields				Main Parking Lot and Tennis Courts						EHS F and G Wings			
Sample Location			SSHS-B99	SSHS-B42-A	SSHS-B43-A	SSHS-B46-A	SSHS-B47-A	SSHS-B72	SSHS-B74	SSHS-B75	SSHS-B76	SSHS-B77	SSHS-B91	SSHS-B92	SSHS-B93	SSHS-B94	SSHS-B95
Depth Interval Sampled [feet]			0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Date Sampled			8/13/2014	8/15/2014	8/15/2014	7/21/2014	7/21/2014	8/15/2014	8/13/2014	8/14/2014	8/14/2014	8/14/2014	8/13/2014	8/12/2014	8/12/2014	8/12/2014	8/12/2014
Inorganics	**Units**	**SCOs**															
Aluminum	mg/kg		**9,100**	**9,400**	**11,000**	-	-	**11,000**	**9,900**	**11,000**	**8,400**	**9,000**	**7,100**	**9,000**	**9,700**	**9,900**	**10,000**
Arsenic	mg/kg	**16**	**7.7**	**7.3**	**8.1**	-	-	**8.4**	**8**	**8.4**	**7.3**	**6.6**	**8.4**	**7.2**	**7.4**	**8.6**	**7.8**
Barium	mg/kg	**400**	**97B**	**110**	**100**	-	-	**100**	**110B**	**110**	**81**	**92**	**72B**	**80B**	**94B**	**99B**	**99**
Beryllium	mg/kg	**72**	**0.49**	**0.49**	**0.53**	-	-	**0.55**	**0.49**	**0.56**	**0.45J**	**0.46**	**0.38J**	**0.46J**	**0.5**	**0.51**	**0.52J**
Calcium	mg/kg		**8,200**	**1,700**	**2,000**	-	-	**2,100**	**2,200B**	**3,900**	**7,000**	**21,000**	**7,700**	**2,200B**	**2,200B**	**2,200B**	**2,400**
Chromium (III+VI)	mg/kg	**110**	**15**	**15B**	**13**	-	-	**14**	**13**	**17**	**11**	**11**	**20**	**14**	**13**	**14**	**14**
Cobalt	mg/kg		**8**	**7.6**	**9**	-	-	**9.3**	**8.6**	**9.5**	**7.5**	**7.8**	**6.6**	**7.5**	**8.5**	**8.5**	**8.8**
Copper	mg/kg	**270**	**34**	**19**	**22**	-	-	**16**	**19**	**16**	**18**	**13**	**24**	**16**	**16**	**17**	**16**
Cyanide Total	mg/kg	**27**	**0.34J**	**0.2J**	**0.71**	-	-	**0.52J**	<0.19U	**0.24J**	<0.18U	**0.28J**	<0.2U	**0.29J**	**0.23J**	<0.21U	**1.3**
Iron	mg/kg		**19,000**	**18,000**	**21,000**	-	-	**20,000**	**20,000B**	**21,000**	**19,000**	**17,000**	**17,000**	**19,000**	**20,000**	**20,000**	**20,000**
Lead	mg/kg	**400**	**32**	**20**	**15**	-	-	**18**	**23**	**16**	**14**	**11**	**73**	**18**	**18**	**18**	**19**
Magnesium	mg/kg		**3,900**	**2,400**	**2,800**	-	-	**3,100**	**2,800B**	**3,400**	**3,400**	**3,200**	**2,900**	**2,500**	**2,700**	**2,800**	**2,900**
Manganese	mg/kg	**2,000**	**470**	**400**	**490**	-	-	**490**	**570**	**550**	**490**	**520**	**440**	**420**	**460**	**480**	**500**
Mercury	mg/kg	**0.81**	**0.068**	**0.031J**	**<0.023J**	-	-	**0.033J**	**0.036J**	**0.041J**	**0.041**	**0.033J**	**0.035J**	**0.038J**	**0.032J**	**0.036J**	**0.03J**
Nickel	mg/kg	**310**	**40**	**18**	**32B**	-	-	**21B**	**26**	**21**	**16**	**16**	**16**	**18B**	**20B**	**19B**	**20B**
Potassium	mg/kg		**860B**	**1,000**	**1,100**	-	-	**900**	**900B**	**880**	**840**	**710**	**850B**	**770**	**710**	**960**	**910B**
Vanadium	mg/kg		**13B**	**15**	**15**	-	-	**15**	**13**	**15**	**12**	**12**	**12B**	**11**	**12**	**12**	**14**
Zinc	mg/kg	**10,000**	**82B**	**58B**	**100B**	-	-	**60B**	**63B**	**69B**	**69B**	**58B**	**89B**	**62B**	**59B**	**63B**	**60B**
Organochlorine Pesticides	**Units**	**SCOs**															
Chlordane (trans)	mg/kg		<0.0062U	<0.0004U	<0.0021U	-	-	<0.00039U	<0.00042U	<0.00042U	<0.0021U	<0.0004U	**0.00086J**	<0.0025U	<0.00045U	<0.00046U	<0.00045U
DDT	mg/kg	**7.9**	**0.013**	**0.0012J**	**0.0045**	-	-	**0.00083J**	<0.00032U	<0.00032U	**0.0053**	<0.00031U	<0.00033U	<0.0025U	<0.00034U	<0.00035U	<0.00034U
Dieldrin	mg/kg	**0.2**	**0.0029**	<0.00034U	<0.00034U	-	-	**0.0012J**	**0.0013J**	<0.00036U	**0.0012J**	<0.00034U	**0.00057J**	<0.0025U	<0.00038U	<0.00039U	<0.00038U
Endrin	mg/kg	**11**	<0.0074U	**0.00052J**	**0.0024**	-	-	<0.00038U	<0.00042U	**0.00076J**	<0.0031U	<0.0004U	**0.00097J**	<0.0025U	<0.00044U	<0.0024U	**0.00062J**
PCBs	**Units**	**SCOs**															
Arochlor 1248	mg/kg		**1**	<0.0019U	**0.056**	**0.1J**	-	<0.0019U	<0.002U	<0.002U	**0.3**	<0.0019U	<0.0021U	**0.069**	<0.0022U	<0.0022U	**0.0068J**
Arochlor 1254	mg/kg		<0.0031U	<0.0029U	<0.0029U	**0.077J**	-	<0.0028U	<0.0031U	<0.003U	<0.0029U	<0.0029U	<0.0031U	<0.0035U	<0.0033U	<0.0033U	<0.0032U
Arochlor 1260	mg/kg		**0.14**	<0.0029U	<0.0029U	<0.0014U	-	<0.0028U	<0.0031U	<0.003U	**0.052**	<0.0029U	<0.0031U	**0.022J**	<0.0033U	<0.0033U	<0.0032U
Arochlor 1262	mg/kg		<0.0047U	<0.0044U	<0.0045U	<0.0022U	-	<0.0043U	<0.0047U	<0.0047U	<0.0044U	<0.0045U	<0.0048U	<0.0054U	<0.005U	<0.0051U	<0.005U
Arochlor-Total	mg/kg	**1**	**1.14**	**ND**	**0.056**	**0.181**	-	**ND**	**ND**	**ND**	**0.352**	**ND**	**ND**	**0.069**	**ND**	**ND**	**ND**
SVOCs	**Units**	**SCOs**															
2-methylnaphthalene	mg/kg		<0.0078U	**0.091**	<0.0074U	-	**0.032**	**0.0096J**	<0.0077U	<0.0077U	**0.018J**	<0.0073U	**0.019J**	<0.0089U	<0.0081U	<0.0084U	<0.0081U
Acenaphthene	mg/kg	**100**	<0.0083U	<0.0077U	<0.0079U	-	**0.015**	<0.0077U	**0.021J**	<0.0082U	<0.0078U	<0.0078U	**0.086J**	<0.0095U	<0.0087U	<0.009U	<0.0087U
Acenaphthylene	mg/kg	**100**	**0.024J**	**0.18**	<0.0094U	-	**0.37**	**0.033J**	<0.0098U	<0.0098U	<0.0093U	<0.0094U	**0.1J**	<0.011U	<0.01U	<0.011U	<0.01U
Anthracene	mg/kg	**100**	**0.029J**	**0.092**	<0.008U	-	**0.29**	**0.081**	**0.1**	<0.0083U	**0.02J**	<0.008U	**0.58**	**0.048J**	**0.011J**	**0.02J**	**0.0098J**
Benz(a)anthracene	mg/kg	**1**	**0.19**	**0.37**	**0.028J**	-	**0.9**	**0.29**	**0.68**	**0.037J**	**0.11**	<0.01U	**4.1**	**0.42**	**0.068J**	**0.17**	**0.11**
Benzo(a) pyrene	mg/kg	**1**	**0.24**	**0.41**	**0.026J**	-	**0.84**	**0.27**	**0.71**	**0.043J**	**0.12**	<0.0082U	**4.3**	**0.48**	**0.071J**	**0.21**	**0.12**
Benzo(b)fluoranthene	mg/kg	**1**	**0.33**	**0.56**	**0.029J**	-	**1.1**	**0.33**	**1.1**	**0.054J**	**0.15**	<0.013U	**6.3**	**0.73**	**0.096**	**0.32**	**0.17**
Benzo(g,h,i)perylene	mg/kg	**100**	**0.24**	**0.43**	**0.021J**	-	**0.82**	**0.2**	**0.61**	**0.035J**	**0.12**	<0.0081U	**4.5**	**0.42**	**0.064J**	**0.18**	**0.098**
Benzo(k)fluoranthene	mg/kg	**3.9**	**0.13**	**0.28**	**0.017J**	-	**0.48**	**0.14**	**0.38**	**0.025J**	**0.073J**	<0.017U	**2.2**	**0.21**	**0.039J**	**0.089J**	**0.073J**
Bis(2-ethylhexyl) phthalate	mg/kg		**0.18J**	<0.065U	<0.066U	-	**0.035J**	<0.065U	<0.069U	**0.09J**	<0.066U	<0.066U	**<0.88J**	**0.41J**	<0.073U	**0.22J**	**0.081J**
Carbazole	mg/kg		**0.021J**	**0.018J**	<0.0075U	-	**0.056**	**0.045J**	**0.062J**	<0.0079U	<0.0075U	<0.0075U	**0.5**	**0.038J**	<0.0083U	**0.017J**	**0.0096J**
Chrysene	mg/kg	**3.9**	**0.27**	**0.48**	**0.027J**	-	**1.1**	**0.24**	**0.85**	**0.045J**	**0.12**	<0.0097U	**5**	**0.51**	**0.077J**	**0.21**	**0.13**
Dibenz(a,h)anthracene	mg/kg	**0.33**	**0.064J**	**0.095**	<0.0091U	-	**0.22**	**0.057J**	**0.16**	<0.0095U	<0.0091U	<0.0091U	**0.88**	**0.1**	**0.017J**	**0.053J**	<0.01U
Fluoranthene	mg/kg	**100**	**0.44**	**0.5**	**0.035J**	-	**1.5**	**0.58**	**1.5**	**0.076J**	**0.21**	**0.037J**	**9.4**	**0.93**	**0.14**	**0.39**	**0.22**
Fluorene	mg/kg	**100**	<0.011U	**0.011J**	<0.011U	-	**0.044**	**0.014J**	**0.023J**	<0.011U	<0.011U	<0.011U	**<0.13J**	<0.013U	<0.012U	<0.012U	<0.012U
Indeno(1,2,3-c,d)pyrene	mg/kg	**0.5**	**0.2**	**0.34**	**0.019J**	-	**0.7**	**0.18**	**0.57**	**0.029J**	**0.098**	<0.0084U	**3.9**	**0.36**	**0.055J**	**0.16**	**0.081J**
Naphthalene	mg/kg	**100**	<0.0075U	**0.13**	<0.0071U	-	**0.049**	**0.027J**	<0.0074U	<0.0074U	**0.051J**	<0.007U	<0.015U	<0.0085U	<0.0078U	<0.0081U	<0.0078U
N-nitrosodi-n-propylamine	mg/kg		<0.01U	<0.0095U	<0.0096U	-	<0.0018U	<0.0094U	<0.01U	<0.01U	**2**	<0.0096U	<0.021U	<0.012U	<0.011U	<0.011U	<0.011U
Phenanthrene	mg/kg	**100**	**0.15**	**0.14**	**0.017J**	-	**0.48**	**0.32**	**0.5**	**0.029J**	**0.066J**	<0.013U	**2.9**	**0.23**	**0.049J**	**0.088J**	**0.063J**
Pyrene	mg/kg	**100**	**0.34**	**0.56**	**0.034J**	-	**1.3**	**0.47**	**1.5**	**0.058J**	**0.18**	**0.033J**	**7.1**	**0.69**	**0.11**	**0.28**	**0.17**
VOCs	**Units**	**SCOs**															
1,1-dichloroethene	mg/kg	**100**	<0.0011U	<0.00098U	**1.9**	-	-	<0.001U	<0.0011U	<0.0011U	<0.0013U	<0.0011U	<0.0012U	<0.0011U	<0.00096U	<0.0012U	<0.0011U
Acetone	mg/kg	**100**	**0.28**	<0.0058U	**0.52J**	-	-	<0.006U	<0.0063U	<0.0065U	<0.0074U	<0.0066U	**0.15**	<0.0063U	<0.0056U	**0.09**	<0.0064U
Freon 113	mg/kg		<0.0013U	<0.0012U	**1.1**	-	-	<0.0013U	<0.0014U	<0.0014U	<0.0016U	<0.0014U	<0.0015U	<0.0013U	<0.0012U	<0.0015U	<0.0014U
Methyl acetate	mg/kg		<0.0011U	<0.001U	**2.4**	-	-	<0.0011U	<0.0011U	<0.0012U	<0.0013U	<0.0012U	**0.0073**	<0.0011U	<0.001U	**0.0033J**	<0.0012U

Notes:

J: estimated value
U: non-detect
E: result exceeded calibration range
mg/kg: milligrams per kilogram
 - : not analyzed
PCBs: polychlorinated biphenyls

SVOCs: semi-volatile organic compounds
VOCs: volatile organic compounds
SOCs Restricted
ND: none of the individual Arochlors were detected above the method detection
Detections are presented in bold.
Concentrations detected above the SCOs are presented in gray

TABLE 7
SUMMARY OF DETECTED CONSTITUENTS IN SURFACE SOIL

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			EHS F and G Wings			Football Field											
Sample Location			SSHS-B96	SSHS-B97	SSHS-B98	SSHS-B9-A	SSHS-FB1-A	SSHS-FB2-A	SSHS-FB3-A	SSHS-FB4-A	SSHS-FB5-A	SSHS-FB5-B	SSHS-FB5-C	SSHS-FB5-D	SSHS-FB5-E	SSHS-FB6-A	SSHS-FB7-A
Depth Interval Sampled [feet]			0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Date Sampled			8/12/2014	8/13/2014	8/13/2014	7/21/2014	7/22/2014	7/22/2014	7/22/2014	7/22/2014	7/21/2014	7/21/2014	7/21/2014	7/21/2014	7/21/2014	7/22/2014	7/21/2014
Inorganics	**Units**	**SCOs**															
Aluminum	mg/kg		**12,000**	**11,000**	**9,200**	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/kg	**16**	**8.4**	**8.2**	**8.3**	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/kg	**400**	**91B**	**88B**	**110B**	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/kg	**72**	**0.56**	**0.55**	**0.49J**	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/kg		**1,700B**	**2,300**	**3,900**	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (III+VI)	mg/kg	**110**	**14**	**14**	**15**	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/kg		**9.6**	**9.3**	**8.1**	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/kg	**270**	**16**	**15**	**26**	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide Total	mg/kg	**27**	**0.3J**	<0.19U	**0.28J**	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/kg		**22,000**	**21,000**	**20,000**	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/kg	**400**	**20**	**15**	**67**	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/kg		**3,100**	**3,000**	**2,900**	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/kg	**2,000**	**540**	**500**	**460**	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/kg	**0.81**	**0.031J**	**0.032J**	**0.045**	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/kg	**310**	**22B**	**20**	**44**	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	mg/kg		**830**	**920B**	**1,200B**	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/kg		**15**	**14B**	**13B**	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/kg	**10,000**	**61B**	**56B**	**79B**	-	-	-	-	-	-	-	-	-	-	-	-
Organochlorine Pesticides	**Units**	**SCOs**															
Chlordane (trans)	mg/kg		**0.00074J**	<0.00044U	<0.0074U	-	-	-	-	-	-	-	-	-	-	-	-
DDT	mg/kg	**7.9**	<0.0003U	<0.00033U	**0.015**	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	mg/kg	**0.2**	<0.0021U	<0.00037U	<0.0023U	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	mg/kg	**11**	<0.00039U	<0.00043U	<0.007U	-	-	-	-	-	-	-	-	-	-	-	-
PCBs	**Units**	**SCOs**															
Arochlor 1248	mg/kg		**0.0069J**	<0.0021U	**0.48**	**0.082J**	**0.25J**	<0.00092U	**0.1J**	**0.037J**	-	-	-	-	-	**0.18J**	**0.28J**
Arochlor 1254	mg/kg		<0.0029U	<0.0032U	<0.0033U	**0.074J**	**0.11J**	**0.11**	**0.051J**	**0.061J**	-	-	-	-	-	**0.15J**	**0.13J**
Arochlor 1260	mg/kg		**0.011J**	<0.0032U	**0.1**	<0.0013U	<0.00076U	<0.0014U	<0.00077U	<0.0016U	-	-	-	-	-	<0.00076U	<0.0014U
Arochlor 1262	mg/kg		<0.0044U	<0.0049U	<0.005U	**0.038J**	<0.0012U	<0.0021U	<0.0012U	<0.0025U	-	-	-	-	-	<0.0012U	<0.0022U
Arochlor-Total	mg/kg	**1**	**ND**	**ND**	**0.58**	**0.191**	**0.36**	**0.11**	**0.151**	**0.098**	-	-	-	-	-	**0.33**	**0.4**
SVOCs	**Units**	**SCOs**															
2-methylnaphthalene	mg/kg		<0.0072U	<0.0081U	**0.016J**	-	-	-	-	-	-	-	-	-	-	**0.018**	-
Acenaphthene	mg/kg	**100**	**0.012J**	<0.0086U	<0.0088U	-	-	-	-	-	-	-	-	-	-	**0.06**	-
Acenaphthylene	mg/kg	**100**	<0.0092U	<0.01U	**0.023J**	-	-	-	-	-	-	-	-	-	-	**0.035**	-
Anthracene	mg/kg	**100**	**0.029J**	<0.0088U	**0.032J**	-	-	-	-	-	-	-	-	-	-	**0.13**	-
Benz(a)anthracene	mg/kg	**1**	**0.083**	**0.025J**	**0.12**	-	-	-	-	-	-	-	-	-	-	**0.22**	-
Benzo(a) pyrene	mg/kg	**1**	**0.083**	**0.029J**	**0.12**	-	-	-	-	-	-	-	-	-	-	**0.19**	-
Benzo(b)fluoranthene	mg/kg	**1**	**0.11**	**0.04J**	**0.19**	-	-	-	-	-	-	-	-	-	-	**0.21**	-
Benzo(g,h,i)perylene	mg/kg	**100**	**0.068J**	**0.029J**	**0.13**	-	-	-	-	-	-	-	-	-	-	**0.14**	-
Benzo(k)fluoranthene	mg/kg	**3.9**	**0.043J**	**0.018J**	**0.04J**	-	-	-	-	-	-	-	-	-	-	**0.096**	-
Bis(2-ethylhexyl) phthalate	mg/kg		<0.065U	<0.072U	<0.074U	-	-	-	-	-	-	-	-	-	-	**0.12**	-
Carbazole	mg/kg		**0.014J**	<0.0083U	<0.0084U	-	-	-	-	-	-	-	-	-	-	**0.051**	-
Chrysene	mg/kg	**3.9**	**0.097**	**0.034J**	**0.14**	-	-	-	-	-	-	-	-	-	-	**0.22**	-
Dibenz(a,h)anthracene	mg/kg	**0.33**	**0.017J**	<0.01U	**0.034J**	-	-	-	-	-	-	-	-	-	-	**0.043**	-
Fluoranthene	mg/kg	**100**	**0.21**	**0.057J**	**0.24**	-	-	-	-	-	-	-	-	-	-	**0.44**	-
Fluorene	mg/kg	**100**	<0.011U	<0.012U	<0.012U	-	-	-	-	-	-	-	-	-	-	**0.052**	-
Indeno(1,2,3-c,d)pyrene	mg/kg	**0.5**	**0.058J**	**0.025J**	**0.1**	-	-	-	-	-	-	-	-	-	-	**0.13**	-
Naphthalene	mg/kg	**100**	<0.0069U	<0.0077U	<0.0079U	-	-	-	-	-	-	-	-	-	-	**0.03**	-
N-nitrosodi-n-propylamine	mg/kg		<0.0094U	<0.011U	<0.011U	-	-	-	-	-	-	-	-	-	-	<0.001U	-
Phenanthrene	mg/kg	**100**	**0.13**	<0.014U	**0.12**	-	-	-	-	-	-	-	-	-	-	**0.33**	-
Pyrene	mg/kg	**100**	**0.17**	**0.045J**	**0.2**	-	-	-	-	-	-	-	-	-	-	**0.28**	-
VOCs	**Units**	**SCOs**															
1,1-dichloroethene	mg/kg	**100**	<0.059U	<0.001U	<0.067U	-	-	-	-	-	<0.00097U	<0.0011U	<0.0013U	<0.001U	<0.00096U	-	-
Acetone	mg/kg	**100**	**1.1**	<0.006U	**1.2**	-	-	-	-	-	<0.0057U	**0.097**	**0.24**	<0.0059U	<0.0056U	-	-
Freon 113	mg/kg		<0.018U	<0.0013U	<0.021U	-	-	-	-	-	<0.0012U	<0.0014U	<0.0016U	<0.0013U	<0.0012U	-	-
Methyl acetate	mg/kg		<0.068U	<0.0011U	<0.077U	-	-	-	-	-	<0.001U	<0.0012U	<0.0014U	<0.0011U	<0.001U	-	-

Notes:
J: estimated value
U: non-detect
E: result exceeded calibration range
mg/kg: milligrams per kilogram
 - : not analyzed
PCBs: polychlorinated biphenyls

SVOCs: semi-volatile organic compounds
VOCs: volatile organic compounds
SOCs Restricted
ND: none of the individual Arochlors were detected above the method
Detections are presented in bold.
Concentrations detected above the SCOs are presented in gray

TABLE 7
SUMMARY OF DETECTED CONSTITUENTS IN SURFACE SOIL

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			Football Field								
Sample Location			**SSHS-FB7-B**	**SSHS-FB7-C**	**SSHS-FB7-D**	**SSHS-FB7-E**	**SSHS-FB9-A**	**SSHS-FB10**	**SSHS-FB11**	**SSHS-SS15**	**SSHS-SS16**
Depth Interval Sampled [feet]			0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Date Sampled			7/21/2014	7/21/2014	7/21/2014	7/21/2014	7/22/2014	7/22/2014	7/22/2014	7/22/2014	7/22/2014
Inorganics	**Units**	**SCOs**									
Aluminum	mg/kg		-	-	-	-	-	-	-	-	-
Arsenic	mg/kg	**16**	-	-	-	-	-	-	-	-	-
Barium	mg/kg	**400**	-	-	-	-	-	-	-	-	-
Beryllium	mg/kg	**72**	-	-	-	-	-	-	-	-	-
Calcium	mg/kg		-	-	-	-	-	-	-	-	-
Chromium (III+VI)	mg/kg	**110**	-	-	-	-	-	-	-	-	-
Cobalt	mg/kg		-	-	-	-	-	-	-	-	-
Copper	mg/kg	**270**	-	-	-	-	-	-	-	-	-
Cyanide Total	mg/kg	**27**	-	-	-	-	-	-	-	-	-
Iron	mg/kg		-	-	-	-	-	-	-	-	-
Lead	mg/kg	**400**	-	-	-	-	-	-	-	-	-
Magnesium	mg/kg		-	-	-	-	-	-	-	-	-
Manganese	mg/kg	**2,000**	-	-	-	-	-	-	-	-	-
Mercury	mg/kg	**0.81**	-	-	-	-	-	-	-	-	-
Nickel	mg/kg	**310**	-	-	-	-	-	-	-	-	-
Potassium	mg/kg		-	-	-	-	-	-	-	-	-
Vanadium	mg/kg		-	-	-	-	-	-	-	-	-
Zinc	mg/kg	**10,000**	-	-	-	-	-	-	-	-	-
Organochlorine Pesticides	**Units**	**SCOs**									
Chlordane (trans)	mg/kg		-	-	-	-	-	-	-	-	-
DDT	mg/kg	**7.9**	-	-	-	-	-	-	-	-	-
Dieldrin	mg/kg	**0.2**	-	-	-	-	-	-	-	-	-
Endrin	mg/kg	**11**	-	-	-	-	-	-	-	-	-
PCBs	**Units**	**SCOs**									
Arochlor 1248	mg/kg		**0.14J**	**0.037J**	**0.18J**	**0.16J**	**1.2J**	**0.62J**	**0.088J**	**0.042J**	**0.028J**
Arochlor 1254	mg/kg		**0.089J**	**0.028J**	**0.11J**	**0.1J**	**0.8J**	**0.3J**	**0.071J**	**0.036J**	**0.025J**
Arochlor 1260	mg/kg		<0.0014U	<0.0015U	<0.0016U	<0.0014U	<0.0015U	<0.00076U	<0.00078U	<0.0015U	<0.00075U
Arochlor 1262	mg/kg		<0.0021U	<0.0023U	<0.0024U	<0.0021U	**0.091J**	<0.0012U	<0.0012U	**0.0074J**	<0.0012U
Arochlor-Total	mg/kg	**1**	**0.253**	**0.06**	**0.33**	**0.298**	**2.091**	**0.92**	**0.159**	**0.078**	**0.053**
SVOCs	**Units**	**SCOs**									
2-methylnaphthalene	mg/kg		-	-	-	-	**0.01**	**0.0066J**	-	-	-
Acenaphthene	mg/kg	**100**	-	-	-	-	**0.0028J**	**0.0056J**	-	-	-
Acenaphthylene	mg/kg	**100**	-	-	-	-	**0.023**	**0.014**	-	-	-
Anthracene	mg/kg	**100**	-	-	-	-	**0.021**	**0.023**	-	-	-
Benz(a)anthracene	mg/kg	**1**	-	-	-	-	**0.057**	**0.076**	-	-	-
Benzo(a) pyrene	mg/kg	**1**	-	-	-	-	**0.064**	**0.068**	-	-	-
Benzo(b)fluoranthene	mg/kg	**1**	-	-	-	-	**0.086**	**0.088**	-	-	-
Benzo(g,h,i)perylene	mg/kg	**100**	-	-	-	-	**0.066**	**0.058**	-	-	-
Benzo(k)fluoranthene	mg/kg	**3.9**	-	-	-	-	**0.033**	**0.031**	-	-	-
Bis(2-ethylhexyl) phthalate	mg/kg		-	-	-	-	**0.059J**	**0.094**	-	-	-
Carbazole	mg/kg		-	-	-	-	**0.007J**	**0.0094**	-	-	-
Chrysene	mg/kg	**3.9**	-	-	-	-	**0.073**	**0.086**	-	-	-
Dibenz(a,h)anthracene	mg/kg	**0.33**	-	-	-	-	**0.017**	**0.015**	-	-	-
Fluoranthene	mg/kg	**100**	-	-	-	-	**0.11**	**0.14**	-	-	-
Fluorene	mg/kg	**100**	-	-	-	-	**0.0017J**	**0.0057J**	-	-	-
Indeno(1,2,3-c,d)pyrene	mg/kg	**0.5**	-	-	-	-	**0.057**	**0.051**	-	-	-
Naphthalene	mg/kg	**100**	-	-	-	-	**0.013**	**0.0078J**	-	-	-
N-nitrosodi-n-propylamine	mg/kg		-	-	-	-	<0.001U	<0.001U	-	-	-
Phenanthrene	mg/kg	**100**	-	-	-	-	**0.037**	**0.071**	-	-	-
Pyrene	mg/kg	**100**	-	-	-	-	**0.074**	**0.094**	-	-	-
VOCs	**Units**	**SCOs**									
1,1-dichloroethene	mg/kg	**100**	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	**100**	-	-	-	-	-	-	-	-	-
Freon 113	mg/kg		-	-	-	-	-	-	-	-	-
Methyl acetate	mg/kg		-	-	-	-	-	-	-	-	-

Notes:

J: estimated value

U: non-detect

E: result exceeded calibration range

mg/kg: milligrams per kilogram

 - : not analyzed

PCBs: polychlorinated biphenyls

SVOCs: semi-volatile organic compounds

VOCs: volatile organic compounds

SOCs Restricted

ND: none of the individual Arochlors were detected above the method

Detections are presented in bold.

Concentrations detected above the SCOs are presented in gray

TABLE 9A
SHALLOW SUBSURFACE PCB VERIFICATION AND DELINEATION
SAMPLE RESULTS FOR FB7, B15, AND SS12

Fomer Sperry Remington Site - North Portion
Elmira, New York

Sample Location			SSHS-FB7-A	SSHS-FB7-A	SSHS-FB7-A	SSHS-FB7-B	SSHS-FB7-B	SSHS-FB7-B	SSHS-FB7-C	SSHS-FB7-C	SSHS-FB7-C	SSHS-FB7-D	SSHS-FB7-D	SSHS-FB7-D	SSHS-FB7-E	SSHS-FB7-E	SSHS-FB7-E
Depth Interval Sampled [ft]			**0.17-1**	**1-2**	**2-3**	**0.17-1**	**1-2**	**2-3**	**0.17-1**	**1-2**	**2-3**	**0.17-1**	**1-2**	**2-3**	**0.17-1**	**1-2**	**2-3**
Date Sampled			**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**
PCBs	**Units**	**SCOs**															
Arochlor 1248	mg/kg	NA	0.15J	20J	1.4J	0.041J	23J	7J	2.6J	16J	1.2J	0.12J	5J	340 - 540J	5J	19J	<5.4J
Arochlor 1254	mg/kg	NA	0.066J	6.9J	0.7J	0.022J	7.2J	2.9J	0.99J	6.2J	0.41J	0.064J	1.8J	110 - 150J	2.1J	6.6J	2.9J
Arochlor 1260	mg/kg	NA	<0.0013U	<0.026U	<0.0013U	<0.0014U	<0.069U	<0.013U	<0.0014U	<0.013U	<0.0013U	<0.0013U	<0.007U	<0.65U	<0.0066U	<0.026U	<0.0066U
Arochlor 1262	mg/kg	NA	<0.002U	<0.041U	<0.002U	<0.0021U	<0.11U	<0.02U	0.16J	1J	<0.0021U	<0.002U	<0.011U	<1U	<0.01U	<0.041U	<0.01U
PCBs Total	mg/kg	1	0.24	23.5	2.45	0.07	31.8	10.2	4.22	27.3	1.55	0.205	7.2	690	7.5	27.3	4.4

Sample Location			SSHS-B15-A	SSHS-B15-A	SSHS-B15-A	SSHS-B15-B	SSHS-B15-B	SSHS-B15-B	SSHS-B15-C	SSHS-B15-C	SSHS-B15-C
Depth Interval Sampled [ft]			**0.17-1**	**1-2**	**2-3**	**0.17-1**	**1-2**	**2-3**	**0.17-1**	**1-2**	**2-3**
Date Sampled			**7/22/2014**	**7/22/2014**	**7/22/2014**	**7/22/2014**	**7/22/2014**	**7/22/2014**	**7/22/2014**	**7/22/2014**	**7/22/2014**
PCBs	**Units**	**SCOs**									
Arochlor 1248	mg/kg	NA	4.6J	0.4J	0.13J	4.3J	0.088J	0.2J	4J	0.81J	15J
Arochlor 1254	mg/kg	NA	1.9J	0.15J	0.063J	2J	0.056J	0.11J	1.7J	0.33J	7J
Arochlor 1260	mg/kg	NA	<0.0031U	<0.00064U	<0.0013U	<0.0063U	<0.0013U	<0.0013U	<0.0063U	<0.0013U	<0.026U
Arochlor 1262	mg/kg	NA	<0.0048U	<0.00098U	0.012J	<0.0097U	<0.002U	<0.002U	<0.0097U	0.029J	<0.04U
PCBs Total	mg/kg	1	6.5	0.55	0.205	6.3	0.144	0.31	5.7	1.169	22

Sample Location			SSHS-SS12-A	SSHS-SS12-A	SSHS-SS12-A	SSHS-SS12-B	SSHS-SS12-B	SSHS-SS12-B	SSHS-SS12-C	SSHS-SS12-C	SSHS-SS12-C
Depth Interval Sampled [ft]			**0.17-1**	**1-2**	**2-3**	**0.17-1**	**1-2**	**2-3**	**0.17-1**	**1-2**	**2-3**
Date Sampled			**7/22/2014**	**7/22/2014**	**7/22/2014**	**7/22/2014**	**7/22/2014**	**7/22/2014**	**7/22/2014**	**7/22/2014**	**7/22/2014**
PCBs	**Units**	**SCOs**									
Arochlor 1248	mg/kg	NA	0.93J	23J	8.2J	1.5J	5.7J	20J	1.6J	9.9J	100J
Arochlor 1254	mg/kg	NA	0.45J	9.1J	3.3J	1.1J	3.6J	12J	0.88J	4.5J	29J
Arochlor 1260	mg/kg	NA	<0.00065U	<0.013U	<0.0064U	<0.0032U	<0.0064U	<0.032U	<0.0032U	<0.0063U	<0.064U
Arochlor 1262	mg/kg	NA	<0.001U	<0.019U	<0.0099U	<0.005U	<0.0098U	<0.05U	<0.0049U	<0.0097U	<0.098U
PCBs Total	mg/kg	1	1.38	32.1	11.5	2.6	9.3	32	2.48	14.4	129

Notes:

J: estimated value

U: non-detect

E: result exceeded calibration range

mg/kg: milligrams per kilogram

 - : not analyzed

PCBs: polychlorinated biphenyls

SCOs Restricted Residential Soil Cleanup Objectives presented in 6 New York State Department of Environmental Conservation Subpart 375

Detections are presented in bold.

Concentrations above the SCOs are presented in gray

TABLE 9B
SHALLOW SUBSURFACE VOC VERIFICATION AND DELINEATION SAMPLE DETECTIONS AT HISTORICAL SAMPLE LOCATION FB5

Fomer Sperry Remington Site - North Portion
Elmira, New York

Sample Location			**SSHS-FB5-A**	**SSHS-FB5-A**	**SSHS-FB5-B**	**SSHS-FB5-B**	**SSHS-FB5-C**	**SSHS-FB5-C**	**SSHS-FB5-D**	**SSHS-FB5-D**	**SSHS-FB5-E**	**SSHS-FB5-E**
Depth Interval Sampled [ft]			**1.5**	**2.5**	**1.5**	**2.5**	**1.5**	**2.5**	**1.5**	**2.5**	**1.5**	**2.5**
Date Sampled			**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**	**7/21/2014**
VOCs	**Units**	**SCOs**										
Trichloroethene	mg/kg	21	**0.02**	**0.029**	**0.015**	**0.029**	**0.19**	**0.28**	**0.069**	**0.2**	**0.0028J**	**0.0015J**

Notes:
J: estimated value
U: non-detect
mg/kg: milligrams per kilogram
- : not analyzed
VOCs: volatile organic compounds
SCOs Restricted Residential Soil Cleanup Objectives presented in 6 New York State Department of Environmental Conservation Subpart 375
Detections are presented in bold.
Concentrations above the SCOs are presented in gray

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN SUBSURFACE BORINGS

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			**Gymnasium**												**Athletic Fields**					
Sample Location			**SSHS-B26-A**	**SSHS-B26-A**	**SSHS-B26-A**	**SSHS-B26-A**	**SSHS-B29-A**	**SSHS-B29-A**	**SSHS-B29-A**	**SSHS-B29-A**	**SSHS-B99**	**SSHS-B99**	**SSHS-B99**	**SSHS-B99**	**SSHS-B42-A**	**SSHS-B42-A**	**SSHS-B42-A**	**SSHS-B42-A**	**SSHS-B43-A**	**SSHS-B43-A**
Depth Interval Sampled [ft]			**0.17-2**	**2-6**	**6-8**	**13.5-15.5**	**0.17-2**	**2-6**	**8-10**	**10-12**	**0.17-2**	**2-6**	**6-10**	**10-14.5**	**0.17-2**	**3-5**	**7-9**	**11-13**	**0.17-2**	**2-6**
Date Sampled			**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/15/2014**	**8/15/2014**	**8/15/2014**	**8/15/2014**	**8/15/2014**	**8/15/2014**
Inorganics	**Units**	**SCOs**																		
Aluminum	mg/kg	NA	**9,100**	**6,700**	**5,700**	**5,000**	**7,900**	**7,100**	**5,100**	**4,700**	**8,800**	**6,500**	**5,400**	**5,500**	**8,000**	**10,000**	**9,600**	**6,400**	**8,200**	**9,800**
Antimony	mg/kg	NA	<0.22U	<0.22U	<0.19U	**<0.56J**	<0.21U	<0.21U	<0.21U	<0.2U	<0.23U	**<0.39J**	<0.22U	<0.19U	<0.22U	<0.22U	<0.22U	<0.2U	<0.23U	<0.22UJ
Arsenic	mg/kg	16	**7.8**	**16**	**6.1**	**6.6**	**8.2**	**7.3**	**8.3**	**5.2**	**10**	**10**	**6.7**	**7.1**	**9.3**	**8.6**	**8.8**	**6.5**	**8.4**	**11J**
Barium	mg/kg	400	**110**	**130**	**82**	**53**	**97**	**54**	**56**	**37**	**92B**	**94B**	**59B**	**57B**	**150**	**120**	**78**	**45**	**88**	**74**
Beryllium	mg/kg	72	**<0.42J**	**<0.3J**	**<0.23J**	**<0.2J**	**<0.39J**	**<0.29J**	**<0.22J**	**<0.2J**	**0.45**	**<0.34J**	**<0.25J**	**<0.21J**	**0.46**	**<0.43J**	**<0.41J**	**<0.29J**	**<0.43J**	**<0.41J**
Cadmium	mg/kg	4.3	**<0.11J**	**<0.11J**	**<0.045J**	<0.015U	**<0.12J**	**<0.047J**	**<0.072J**	**<0.054J**	<0.57U	<0.58U	<0.55U	<0.49U	**<0.15J**	**<0.069J**	**<0.024J**	**<0.055J**	**<0.097J**	**<0.053J**
Calcium	mg/kg	NA	**21,000**	**23,000**	**45,000**	**47,000**	**10,000**	**17,000J**	**49,000**	**49,000**	**9,200**	**18,000**	**33,000**	**47,000**	**3,200**	**2,200**	**600**	**14,000**	**2,000**	**1,400**
Chromium (III+VI)	mg/kg	110	**12**	**18**	**11**	**7.1**	**14B**	**10B**	**9.1B**	**7.5B**	**14**	**24**	**9.7**	**8.3**	**13B**	**12B**	**10B**	**8.5B**	**12**	**11B**
Cobalt	mg/kg	NA	**7.5**	**7**	**5.5**	**<4.7J**	**7.2**	**6.1**	**<4.8J**	**<4.5J**	**8**	**7**	**<5.2J**	**5.2**	**7.1**	**6.5**	**7.3**	**5.7**	**6.8**	**7.8**
Copper	mg/kg	270	**23**	**66**	**28**	**23**	**61**	**18**	**30**	**16**	**48**	**160**	**47**	**20**	**43**	**40**	**24**	**21**	**33**	**21J**
Cyanide Total	mg/kg	27	<0.58U	**0.76B**	<0.55U	**0.62B**	**1.9**	**<0.23J**	**<0.43J**	**<0.23J**	**<0.55J**	**0.62**	**<0.2J**	**<0.36J**	**1.2**	**<0.31J**	<0.17U	<0.16U	**<0.39J**	**1.3**
Iron	mg/kg	NA	**19,000**	**29,000**	**14,000**	**13,000B**	**19,000**	**16,000**	**14,000**	**11,000**	**19,000**	**22,000**	**15,000**	**13,000**	**18,000**	**18,000**	**18,000**	**15,000**	**19,000**	**18,000**
Lead	mg/kg	400	**25**	**69**	**6.7**	**5.3**	**56**	**10**	**7.6**	**5.2**	**36**	**680**	**41**	**6.7**	**36**	**52**	**11**	**8.4**	**22**	**17**
Magnesium	mg/kg	NA	**3,800**	**4,600**	**8,600**	**12,000**	**4,200**	**3,500**	**11,000**	**8,900**	**3,800**	**7,000**	**7,300**	**10,000**	**1,900**	**2,100**	**2,200**	**3,100**	**2,100**	**2,100**
Manganese	mg/kg	2000	**410**	**430**	**420**	**480**	**460**	**290**	**370**	**320**	**450**	**420**	**270**	**420**	**320**	**600**	**590**	**390**	**460**	**650J**
Mercury	mg/kg	0.81	**<0.024J**	**<0.02J**	<0.011U	<0.011U	**<0.032J**	**<0.02J**	<0.011U	<0.011U	**0.047**	**0.06**	**<0.021J**	**<0.012J**	**0.067**	**0.054**	<0.012U	<0.011U	**0.044**	**0.045**
Nickel	mg/kg	310	**31**	**65**	**47**	**18**	**82B**	**100J**	**31B**	**11B**	**94**	**130**	**39**	**17**	**20**	**16**	**16**	**18**	**19B**	**15**
Potassium	mg/kg	NA	**730**	**600**	**630**	**550B**	**700**	**590**	**680**	**570**	**710B**	**590B**	<550U	**680B**	**900**	**870**	**1,100**	**900**	**840**	**660**
Selenium	mg/kg	180	**<0.46J**	**<0.64J**	<0.26U	**<0.7J**	**<0.37J**	**<0.45J**	**<0.45J**	<0.27U	**<0.45J**	**<0.83J**	**<0.41J**	**<0.46J**	**<0.46J**	**<0.94J**	**<0.4J**	<0.27U	**<0.56J**	**<0.45J**
Sodium	mg/kg	NA	**<50J**	**<110J**	**<66J**	**<78J**	<530U	<520U	<540U	<500U	<570U	<580U	<550U	<490U	**<73J**	**<110J**	**<54J**	**<57J**	**<69J**	**<45J**
Vanadium	mg/kg	NA	**13**	**16**	**11**	**8.7**	**13**	**10**	**11**	**9.9**	**12B**	**12B**	**8.5B**	**9.2B**	**15**	**18**	**16**	**13**	**14**	**16**
Zinc	mg/kg	10000	**61B**	**90B**	**49B**	**49B**	**75B**	**52B**	**53B**	**40B**	**75B**	**120B**	**60B**	**79B**	**58B**	**70B**	**58B**	**52B**	**75B**	**56B**
Organochlorine Pesticides	**Units**	**SCOs**																		
4,4-DDE	mg/kg	8.9	<0.00029U	<0.00028U	<0.00026U	<0.00026U	<0.00028U	<0.00027U	<0.00027U	<0.00026U	<0.00029U	<0.00029U	<0.00028U	<0.00026U	<0.00029U	<0.00029U	<0.00029U	<0.00028U	<0.00029U	<0.00028U
Aldrin	mg/kg	0.097	<0.00034U	0.026U	<0.00031U	<0.00031U	0.0059U	<0.00032U	<0.00032U	<0.00031U	<0.00034U	<0.00034U	<0.00033U	<0.00031U	<0.00035U	<0.00035U	<0.00034U	<0.00033U	<0.00034U	<0.00033U
Aldrin + Dieldrin	mg/kg	NA	**<0.00066**	**0.0333**	**<0.00191**	**<0.0006**	**0.0115**	**0.00226**	**<0.00061**	**<0.0006**	**0.00347**	**<0.00194**	**0.006965**	**<0.0006**	**<0.00067**	**<0.00067**	**<0.00065**	**<0.00063**	**<0.00214**	**<0.0012**
b-BHC	mg/kg	0.36	<0.0005U	<0.0019U	<0.00045U	<0.00045U	<0.00047U	<0.00046U	<0.00046U	<0.00045U	<0.0005U	<0.0005U	<0.0019U	<0.00045U	<0.0005U	<0.0005U	<0.00049U	<0.00047U	<0.0005U	<0.00048U
Chlordane (cis)	mg/kg	4.2	<0.00038U	0.0044U	<0.00035U	<0.00035U	<0.0019U	<0.0018U	<0.0018U	<0.00034U	<0.002U	<0.002U	<0.0019U	<0.00034U	<0.00038U	<0.00038U	<0.00038U	<0.00036U	<0.00038U	<0.00037U
Chlordane (trans)	mg/kg	NA	0.023U	0.17U	<0.0018U	<0.00034U	0.023U	0.025U	0.0048U	<0.00034U	0.019U	0.011U	0.02U	<0.00034U	<0.002U	<0.00038U	<0.00037U	<0.00036U	0.0065U	<0.0019U
d-BHC	mg/kg	100	<0.00029U	<0.00028U	<0.00027U	<0.00027U	<0.00028U	<0.00027U	0.0019U	<0.00026U	<0.00029U	<0.00029U	<0.00029U	<0.00026U	<0.002U	<0.0003U	<0.00029U	<0.00028U	<0.002U	<0.00028U
DDD	mg/kg	13	<0.002U	0.0019U	<0.00023U	<0.00023U	0.002U	<0.00023U	<0.0018U	<0.0018U	<0.002U	<0.002U	<0.0019U	<0.00023U	**0.0071**	<0.00025U	<0.00025U	<0.00024U	<0.00025U	<0.00024U
DDT	mg/kg	7.9	**0.012**	**0.14**	0.0031U	<0.00026U	**0.06**	**0.031J**	**0.0097**	<0.0018U	0.0048U	**0.033**	**0.063**	**0.0029**	**0.007**	<0.00029U	<0.00028U	<0.00027U	0.0043U	**0.0076**
DDT+DDE+DDD	mg/kg	NA	**0.0127**	**0.142**	**0.003345**	**<0.00075**	**0.06214**	**0.03125**	**0.01039**	**<0.00126**	**0.005255**	**0.03348**	**0.06379**	**0.003145**	**0.01425**	**<0.00083**	**<0.00082**	**<0.00079**	**0.00457**	**0.00786**
Dieldrin	mg/kg	0.2	<0.00032U	0.0073U	**<0.0016J**	<0.00029U	**0.0056**	0.0021U	<0.00029U	<0.00029U	**0.0033**	<0.002U	0.0068U	<0.00029U	<0.00032U	<0.00032U	<0.00031U	<0.0003U	<0.002U	<0.0019U
Endosulfan I	mg/kg	24	**<0.0012J**	**0.013**	**<0.00068J**	<0.00033U	0.0047U	**0.0034**	**<0.0012J**	<0.00032U	**<0.0019J**	**<0.0018J**	**0.003**	<0.00032U	<0.00036U	<0.00036U	<0.00036U	<0.00034U	**<0.00091J**	<0.00035U
Endosulfan II	mg/kg	24	<0.00034U	0.0058U	<0.00031U	<0.00031U	<0.0019U	<0.0018U	<0.00031U	<0.0003U	<0.002U	<0.002U	<0.0019U	<0.0003U	<0.002U	**<0.00096J**	<0.00033U	<0.00032U	<0.00034U	<0.00033U
Endosulfan sulphate	mg/kg	24	<0.002U	0.031U	<0.0018U	<0.00018U	0.0071U	0.0059U	<0.0018U	<0.0018U	0.0026U	0.0026U	0.0038U	<0.0018U	<0.0002U	<0.0002U	<0.0002U	<0.00019U	<0.002U	<0.0019U
Endrin	mg/kg	11	0.0066U	0.08U	<0.0018U	<0.00034U	0.03U	0.016U	0.0051U	<0.00033U	0.023U	0.015U	0.03U	<0.0018U	**0.003**	<0.00038U	<0.00037U	<0.00035U	0.014U	**0.0038**
Endrin aldehyde	mg/kg	NA	<0.002U	0.0064U	<0.0018U	<0.00034U	0.0026U	0.002U	<0.0018U	**<0.0011J**	<0.002U	**0.0033**	**0.005**	<0.00033U	<0.002U	<0.00038U	<0.00037U	<0.00035U	**<0.0017J**	<0.0019U
Endrin ketone	mg/kg	NA	<0.002U	0.021U	<0.00027U	<0.00027U	<0.00028U	0.0044U	<0.0018U	<0.00027U	0.0023U	0.0022U	0.0027U	<0.00027U	<0.0003U	<0.0003U	<0.00029U	<0.00028U	<0.0003U	<0.00029U
g-BHC (Lindane)	mg/kg	1.3	<0.00034U	<0.0019U	<0.00031U	<0.00031U	<0.00032U	<0.00031U	<0.00031U	<0.0003U	<0.00034U	<0.00034U	<0.00033U	<0.0003U	<0.00034U	<0.00034U	<0.00033U	<0.00032U	<0.00034U	<0.00032U
Heptachlor	mg/kg	2.1	<0.00043U	0.0077U	<0.00039U	<0.00039U	0.0019U	<0.0015U	<0.00039U	<0.00038U	<0.00043U	<0.00043U	<0.00042U	<0.00038U	<0.00043U	<0.00043U	<0.00042U	<0.00041U	<0.00043U	<0.00041U
Heptachlor epoxide	mg/kg	NA	0.0099U	0.13U	<0.00034U	<0.00034U	0.039U	0.015U	0.0054U	<0.00034U	0.011U	0.012U	0.012U	<0.00034U	<0.00038U	<0.00038U	<0.00037U	<0.00036U	<0.002U	<0.00036U
Methoxychlor	mg/kg	NA	<0.002U	0.0045U	<0.0018U	<0.00036U	0.02U	<0.0018U	<0.00037U	<0.0018U	0.0073U	<0.0004U	<0.0019U	<0.00036U	<0.0004U	<0.0004U	<0.00039U	<0.00038U	<0.0038U	<0.00039U
PCBs	**Units**	**SCOs**																		
Arochlor 1248	mg/kg	NA	**0.98**	**12**	<0.0017U	<0.0017U	**2.7**	**1.2**	**0.53**	<0.0016U	**0.87**	**0.94**	**1.1**	**0.021**	**0.055**	<0.0018U	<0.0018U	<0.0017U	**0.41**	**0.029**
Arochlor 1254	mg/kg	NA	<0.0027U	<0.026U	<0.0025U	<0.0025U	<0.0026U	<0.0025U	<0.0025U	<0.0024U	<0.0027U	<0.0027U	<0.0027U	<0.0025U	<0.0027U	<0.0028U	<0.0027U	<0.0026U	<0.0027U	<0.0026U
Arochlor 1260	mg/kg	NA	**0.093**	**1.5**	<0.0025U	<0.0025U	**0.4**	**0.23**	**0.075**	<0.0024U	**0.24**	**0.23**	**0.33**	**0.019**	<0.0027U	<0.0028U	<0.0027U	<0.0026U	**0.097**	**0.033**
Arochlor 1262	mg/kg	NA	<0.0042U	<0.04U	<0.0038U	<0.0038U	<0.004U	<0.0039U	<0.0039U	<0.0038U	<0.0042U	<0.0042U	<0.0041U	<0.0038U	<0.0042U	<0.0042U	<0.0041U	<0.004U	<0.0042U	<0.0041U
PCBs Total	mg/kg	1	**1.073**	**13.5**	ND	ND	**3.1**	**1.43**	**0.605**	ND	**1.11**	**1.17**	**1.43**	**0.04**	**0.055**	ND	ND	ND	**0.507**	**0.062**
SVOCs	**Units**	**SCOs**																		
2-methylnaphthalene	mg/kg	NA	<0.0069U	**0.081**	<0.0064U	<0.0062U	**<0.02J**	<0.0064U	<0.0062U	<0.0062U	**<0.022J**	**<0.054J**	**<0.014J**	<0.0062U	**0.71**	**<0.013J**	<0.0068U	<0.0066U	**<0.032J**	<0.0067U
Acenaphthene	mg/kg	100	<0.0074U	**<0.047J**	<0.0069U	<0.0067U	<0.007U	<0.0069U	<0.0067U	<0.0066U	<0.0073U	**<0.013J**	<0.0071U	<0.0067U	**<0.057J**	<0.0075U	<0.0073U	<0.007U	**<0.0085J**	<0.0072U
Acenaphthylene	mg/kg	100	<0.0088U	**<0.028J**	<0.0082U	<0.008U	<0.0084U	<0.0082U	<0.0079U	<0.0079U	**<0.049J**	**<0.047J**	**<0.021J**	<0.008U	**1.9**	**0.078**	<0.0087U	<0.0084U	**0.093**	<0.0085U
Anthracene	mg/kg	100	<0.0075U	**0.1**	<0.007U	<0.0068U	**<0.01J**	<0.007U	**<0.0086J**	<0.0067U	**<0.053J**	**<0.057J**	**<0.025J**	<0.0068U	**1**	**0.12**	<0.0075U	<0.0071U	**<0.063J**	<0.0073U
Benz(a)anthracene	mg/kg	1	**<0.024J**	**0.17**	<0.009U	<0.0087U	**<0.045J**	**<0.017J**	**<0.023J**	<0.0086U	**0.18**	**0.16**	**<0.07J**	<0.0087U	**3.4**	**0.53**	<0.0095U	<0.0091U	**0.18**	<0.0093U
Benzo(a) pyrene	mg/kg	1	**<0.022J**	**0.16**	<0.0072U	<0.007U	**<0.038J**	<0.0071U	<0.0069U	<0.0069U	**0.17**	**0.14**	**<0.066J**	<0.0069U	**3.4**	**0.47**	<0.0076U	<0.0073U	**0.18**	<0.0075U
Benzo(b)fluoranthene	mg/kg	1	**<0.036J**	**0.23**	<0.011U	<0.011U	**<0.058J**	<0.011U	<0.011U	<0.011U	**0.2**	**0.2**	**<0.049J**	<0.011U	**5**	**0.51**	<0.012U	<0.011U	**0.24**	<0.012U
Benzo(g,h,i)perylene	mg/kg	100	**<0.022J**	**0.13**	<0.0071U	<0.0069U	**<0.03J**	<0.0071U	<0.0069U	<0.0069U	**0.15**	**0.15**	**<0.059J**	<0.0069U	**4**	**0.37**	<0.0076U	<0.0073U	**0.16**	<0.0074U
Benzo(k)fluoranthene	mg/kg	3.9	<0.016U	**0.078**	<0.014U	<0.014U	**<0.015J**	<0.014U	<0.014U	<0.014U	**0.12**	**<0.069J**	**<0.073J**	<0.014U	**1.7**	**0.28**	<0.015U	<0.015U	**0.097**	<0.015U
Bis(2-ethylhexyl) phthalate	mg/kg	NA	<0.062U	<0.059U	<0.058U	<0.056U	<0.059U	<0.058U	<0.056U	<0.056U	**<0.21J**	<0.062U	<0.06U	<0.056U	<0.062U	<0.063U	<0.062U	<0.059U	<0.062U	<0.06U
Butyl benzyl phthalate	mg/kg	NA	<0.052U	<0.05U	<0.049U	<0.047U	<0.05U	<0.049U	<0.047U	<0.047U	<0.052U	<0.053U	<0.051U	<0.047U	<0.053U	<0.053U	<0.052U	<0.05U	<0.052U	<0.051U
Carbazole	mg/kg	NA	<0.0071U	**<0.056J**	<0.0066U	<0.0064U	<0.0067U	<0.0066U	<0.0064U	<0.0063U	**<0.023J**	**<0.028J**	<0.0068U	<0.0064U	**0.22**	**<0.038J**	<0.007U	<0.0067U	**<0.013J**	<0.0069U
Chrysene	mg/kg	3.9	**<0.027J**	**0.2**	<0.0085U	<0.0083U	**<0.047J**	**<0.018J**	**<0.019J**	<0.0082U	**0.19**	**0.2**	**0.084**	<0.0083U	**4.2**	**0.55**	<0.0091U	<0.0087U	**0.22**	<0.0089U
Dibenz(a,h)anthracene	mg/kg	0.33	<0.0085U	**<0.035J**	<0.008U	<0.0077U	<0.0081U	<0.0079U	<0.0077U	<0.0077U	**<0.045J**	**<0.048J**	<0.0083U	<0.0077U	**0.97**	**0.095**	<0.0085U	<0.0081U	**<0.031J**	<0.0083U

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN SUBSURFACE BORINGS

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			Gymnasium												Athletic Fields					
Sample Location			**SSHS-B26-A**	**SSHS-B26-A**	**SSHS-B26-A**	**SSHS-B26-A**	**SSHS-B29-A**	**SSHS-B29-A**	**SSHS-B29-A**	**SSHS-B29-A**	**SSHS-B99**	**SSHS-B99**	**SSHS-B99**	**SSHS-B99**	**SSHS-B42-A**	**SSHS-B42-A**	**SSHS-B42-A**	**SSHS-B42-A**	**SSHS-B43-A**	**SSHS-B43-A**
Depth Interval Sampled [ft]			**0.17-2**	**2-6**	**6-8**	**13.5-15.5**	**0.17-2**	**2-6**	**8-10**	**10-12**	**0.17-2**	**2-6**	**6-10**	**10-14.5**	**0.17-2**	**3-5**	**7-9**	**11-13**	**0.17-2**	**2-6**
Date Sampled			**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/15/2014**	**8/15/2014**	**8/15/2014**	**8/15/2014**	**8/15/2014**	**8/15/2014**
Dibenzofuran	mg/kg	59	<0.038U	**<0.049J**	<0.035U	<0.034U	<0.036U	<0.035U	<0.034U	<0.034U	<0.037U	<0.038U	<0.037U	<0.034U	**<0.14J**	<0.038U	<0.037U	<0.036U	<0.038U	<0.037U
Di-n-octyl phthalate	mg/kg	NA	<0.04U	<0.039U	<0.038U	<0.037U	<0.038U	<0.038U	<0.037U	<0.036U	<0.04U	<0.041U	<0.039U	<0.037U	<0.041U	<0.041U	<0.04U	<0.038U	<0.04U	<0.039U
Fluoranthene	mg/kg	100	**<0.036J**	**0.38**	<0.0076U	**<0.018J**	**<0.061J**	**<0.032J**	**<0.04J**	<0.0074U	**0.4**	**0.31**	**0.13**	<0.0074U	**5.1**	**0.98**	<0.0081U	<0.0078U	**0.28**	<0.008U
Fluorene	mg/kg	100	<0.01U	**<0.053J**	<0.0094U	<0.0092U	<0.0096U	<0.0094U	<0.0091U	<0.0091U	<0.01U	<0.01U	<0.0098U	<0.0092U	**0.17**	**<0.021J**	<0.01U	<0.0096U	**<0.015J**	<0.0098U
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	**<0.019J**	**0.11**	<0.0074U	<0.0072U	**<0.026J**	<0.0074U	<0.0071U	<0.0071U	**0.13**	**0.12**	**<0.053J**	<0.0072U	**3.2**	**0.32**	<0.0078U	<0.0075U	**0.13**	<0.0077U
Naphthalene	mg/kg	100	<0.0066U	**0.078**	<0.0062U	<0.006U	**<0.017J**	<0.0062U	<0.006U	<0.0059U	<0.0065U	**<0.051J**	<0.0064U	<0.006U	**1.4**	**<0.041J**	<0.0066U	<0.0063U	**<0.022J**	<0.0064U
N-nitrosodi-n-propylamine	mg/kg	NA	<0.009U	<0.0086U	<0.0084U	<0.0081U	<0.0086U	<0.0084U	<0.0081U	<0.0081U	<0.0089U	<0.009U	<0.0087U	<0.0081U	<0.0091U	<0.0091U	<0.0089U	<0.0086U	<0.009U	<0.0087U
Phenanthrene	mg/kg	100	**<0.021J**	**0.34**	<0.011U	**<0.018J**	**<0.044J**	**<0.026J**	**<0.041J**	<0.011U	**0.21**	**0.22**	**0.076**	<0.011U	**1.4**	**0.5**	<0.012U	<0.012U	**0.14**	<0.012U
Pyrene	mg/kg	100	**<0.029J**	**0.26**	<0.0072U	**<0.011J**	**<0.06J**	**<0.032J**	**<0.036J**	<0.007U	**0.29**	**0.25**	**0.11**	<0.007U	**4.9**	**0.8**	<0.0077U	<0.0074U	**0.28**	<0.0075U
VOCs	**Units**	**SCOs**																		
1,1-dichloroethene	mg/kg	100	<0.00071U	<0.00072U	<0.00072U	<0.00071U	<0.00076U	<0.00072U	<0.00086U	<0.00074U	<0.00073U	<0.00072U	<0.00065U	<0.00072U	<0.001U	<0.0013U	<0.00091U	<0.00085U	<0.00098U	<0.0008U
Acetone	mg/kg	100	<0.0042U	<0.0042U	<0.0042U	<0.0042U	<0.0045U	<0.0042U	<0.0051U	<0.0044U	**<0.0076J**	<0.0042U	<0.0038U	<0.0043U	**<0.019J**	**<0.0092J**	<0.0054U	<0.005U	**0.088**	<0.0047U
cis-1,2-dichloroethene	mg/kg	100	<0.00059U	<0.0006U	<0.00059U	<0.00059U	<0.00063U	<0.0006U	<0.00071U	<0.00062U	<0.00061U	<0.0006U	<0.00054U	<0.0006U	<0.00083U	<0.0011U	<0.00076U	<0.00071U	<0.00082U	<0.00066U
Cyclohexane	mg/kg	NA	<0.00031U	<0.00031U	<0.00031U	<0.00031U	<0.00033U	<0.00031U	<0.00038U	<0.00033U	<0.00032U	<0.00032U	<0.00029U	<0.00032U	<0.00044U	<0.00056U	<0.0004U	<0.00037U	<0.00043U	<0.00035U
Freon 113	mg/kg	NA	<0.0009U	<0.00091U	<0.0009U	**<0.0012J**	<0.00096U	<0.0009U	<0.0011U	<0.00094U	<0.00092U,*	<0.00091U,*	<0.00082U,*	<0.00091U,*	<0.0013U,*	<0.0016U,*	<0.0012U,*	<0.0011U,*	<0.0012U,*	<0.001U
Methyl acetate	mg/kg	NA	<0.00076U	<0.00076U	<0.00076U	<0.00076U	<0.00081U	<0.00076U	<0.00091U	<0.00079U	<0.00078U	<0.00077U	<0.00069U	<0.00077U	<0.0011U	<0.0013U	<0.00097U	<0.00091U	<0.001U	<0.00085U
Trichloroethene	mg/kg	21	<0.00055U	<0.00056U	<0.00056U	<0.00055U	**<0.0014J**	<0.00056U	<0.00067U	<0.00058U	<0.00057U	**<0.0032J**	**<0.0032J**	<0.00056U	<0.00077U	<0.00098U	<0.00071U	**<0.0019J**	<0.00076U	<0.00062U

Notes:

J: estimated value

U: non-detect

E: result exceeded calibration range

mg/kg: milligrams per kilogram

 - : not analyzed

PCBs: polychlorinated biphenyls

SVOCs: semi-volatile organic compounds

VOCs: volatile organic compounds

SCOs Restricted Residential Soil Cleanup Objectives presented in 6 New York State Department of Environmental Conservation Subpart 375

ND: none of the individual Arochlors were detected above the method detection limit

Detections are presented in bold.

Concentrations detected above the SCOs are presented in gray

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN SUBSURFACE BORINGS

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			Athletic Fields		Rear Parking Lot																
Sample Location			SSHS-B43-A	SSHS-B43-A	SSHS-B64	SSHS-B64	SSHS-B64	SSHS-B64	SSHS-B65	SSHS-B65	SSHS-B65	SSHS-B65	SSHS-B66	SSHS-B66	SSHS-B66	SSHS-B67	SSHS-B67	SSHS-B67	SSHS-B67	SSHS-B68	SSHS-B68
Depth Interval Sampled [ft]			7-9	11.5-13.5	0.17-2	4-6	6-9	10-12	0.17-2	4-6	8-10	10-12	0.17-2	2-4	6-8	0.17-2	2-6	8-10	10-12	0.17-2	2-6
Date Sampled			8/15/2014	8/15/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014
Inorganics	**Units**	**SCOs**																			
Aluminum	mg/kg	NA	**6,600**	**6,000**	**6,500**	**1,300**	**4,800**	**12,000**	**6,100**	**3,500**	**6,400**	**6,000**	**6,400**	**7,000**	**7,700**	**8,100**	**4,900**	**5,900**	**6,400**	**5,600**	**7,600**
Antimony	mg/kg	NA	<0.2U	<0.21U	<0.2U	**1.6**	<0.23U	<0.24U	<0.21U	<0.23U	<0.26U	<0.22U	<0.21U	<0.22U	<0.2U	**<0.93J**	<1.1UJ	<0.23U	<0.21U	<0.22U	<0.23U
Arsenic	mg/kg	16	**8**	**5.3**	**5.5**	**20**	**8.7**	**9**	**5**	**32**	**63**	**51**	**7.8**	**12**	**7.2**	**21**	**83J**	**43**	**49**	**8.9**	**8.9**
Barium	mg/kg	400	**36**	**35**	**140**	**92**	**63**	**72**	**35**	**150**	**140**	**93**	**70**	**100**	**61**	**270**	**160**	**58**	**82**	**82**	**120**
Beryllium	mg/kg	72	**<0.31J**	**<0.24J**	**<0.28J**	**<0.37J**	**0.54**	**0.55**	**<0.24J**	**<0.31J**	**<0.22J**	**<0.15J**	**<0.31J**	**<0.35J**	**<0.31J**	**<0.39J**	**0.45**	**<0.2J**	**<0.22J**	**<0.3J**	**<0.37J**
Cadmium	mg/kg	4.3	**<0.051J**	**<0.037J**	**<0.12J**	<0.017U	**<0.059J**	**<0.062J**	<0.54U	<0.017U	<0.018U	<0.015U	<0.53U	<0.56U	<0.51U	<0.53U	<0.016U	<0.016U	<0.015U	<0.54U	<0.57U
Calcium	mg/kg	NA	**770**	**42,000**	**52,000**	**5,700**	**17,000**	**5,200**	**30,000**	**9,000**	**6,000**	<540U	**14,000**	**13,000**	**31,000**	**29,000**	**6,100J**	**1,500**	**990**	**16,000**	**18,000**
Chromium (III+VI)	mg/kg	110	**8.2B**	**7.6B**	**8.6**	**9**	**9.1**	**14**	**8B**	**15B**	**14B**	**11B**	**16B**	**17B**	**12B**	**47B**	**29J**	**11B**	**11B**	**14B**	**17B**
Cobalt	mg/kg	NA	**5.6**	**<5.3J**	**5.8**	**<4.3J**	**<5.5J**	**9.8**	**<5.2J**	**<4.3J**	**<4J**	**<3.5J**	**6.2**	**6.4**	**6.4**	**12**	**5.8**	**<3.5J**	**<3.3J**	**5.5**	**6.6**
Copper	mg/kg	270	**18**	**23**	**20**	**35**	**36**	**15**	**24**	**65**	**33**	**22**	**91**	**100**	**31**	**980**	**210**	**28**	**41**	**60**	**74**
Cyanide Total	mg/kg	27	<0.16U	<0.15U	<0.15U	<0.17U	**<0.28J**	<0.17U	<0.16U	**1.4**	**1**	**<0.17J**	**<0.23J**	**3.3**	**1.8**	**<0.32J**	**0.67**	<0.17U	<0.16U	**<0.45J**	**1.3**
Iron	mg/kg	NA	**16,000**	**14,000**	**15,000**	**22,000**	**21,000**	**23,000**	**14,000**	**30,000**	**42,000**	**44,000**	**20,000**	**26,000**	**18,000**	**38,000**	**39,000**	**49,000**	**51,000**	**19,000**	**20,000**
Lead	mg/kg	400	**8**	**5.6**	**10**	**60**	**28**	**12**	**11**	**78**	**28**	**15**	**130**	**89**	**19**	**590**	**220J**	**11**	**7.2**	**66**	**330**
Magnesium	mg/kg	NA	**1,900**	**14,000**	**5,300**	**<430J**	**2,400**	**4,000**	**6,900**	**1,800**	**2,500**	**1,700**	**4,200**	**3,300**	**6,100**	**4,200**	**2,000J**	**1,500**	**1,600**	**3,400**	**3,800**
Manganese	mg/kg	2000	**340**	**340**	**520**	**44**	**130**	**440**	**390**	**300**	**200**	**130**	**360**	**430**	**320**	**410**	**290**	**100**	**110**	**310**	**350**
Mercury	mg/kg	0.81	<0.012U	<0.01U	**<0.014J**	**0.065**	**<0.027J**	**<0.017J**	**<0.032J**	**0.73**	**<0.032J**	**<0.026J**	**0.046**	**0.082**	**<0.029J**	**0.65**	**0.85**	<0.012U	<0.012U	**0.06**	**0.08**
Nickel	mg/kg	310	**14**	**13**	**16**	**10**	**17**	**19**	**17**	**67**	**35**	**8.8**	**52**	**48**	**22**	**870**	**160J**	**9**	**8.7**	**40**	**53**
Potassium	mg/kg	NA	**770**	**850**	**530**	**700**	**790**	**1,700**	<540U	**870**	**1,200**	**1,400**	**560**	**640**	**740**	**610**	**680**	**890**	**810**	<540U	**600**
Selenium	mg/kg	180	<0.27U	**<0.39J**	**<0.29J**	**2.8**	**1.2**	**<0.56J**	**<0.41J**	**4.9**	**4**	**2.7**	**<0.76J**	**1.1**	**<0.56J**	**1.8**	**5.1**	**1.3**	**<1J**	**<0.82J**	**<0.61J**
Sodium	mg/kg	NA	**<35J**	**<79J**	**<170J**	**<320J**	**<200J**	**<88J**	**<120J**	**1,000**	**670**	**580**	**<120J**	**<130J**	**<160J**	**640**	**<340J**	**<270J**	**550**	**<180J**	**<170J**
Vanadium	mg/kg	NA	**12**	**11**	**11**	**18**	**16**	**18**	**10B**	**14B**	**20B**	**15B**	**12B**	**15B**	**13B**	**16B**	**18B**	**14B**	**13B**	**11B**	**13B**
Zinc	mg/kg	10000	**44B**	**43B**	**53B**	**7.2B**	**30B**	**56B**	**61B**	**42B**	**39B**	**45B**	**110B**	**110B**	**56B**	**250B**	**120J**	**34B**	**37B**	**79B**	**96B**
Organochlorine Pesticides	**Units**	**SCOs**																			
4,4-DDE	mg/kg	8.9	<0.00027U	<0.00026U	<0.00027U	<0.00029U	<0.00029U	<0.00029U	<0.00026U	0.013U	<0.00032U	<0.00027U	<0.00026U	<0.00028U	<0.00027U	<0.00027U	<0.0003U	<0.00027U	<0.00027U	<0.00027U	0.0069U
Aldrin	mg/kg	0.097	<0.00032U	<0.0003U	0.0056U	<0.00034U	<0.00035U	<0.00035U	0.063U	<0.0019U	<0.0021U	<0.00032U	<0.00031U	<0.00033U	<0.00031U	<0.00033U	0.88U	<0.00033U	<0.00032U	0.62U	<0.00032U
Aldrin + Dieldrin	mg/kg	NA	**<0.00062**	**<0.00058**	**0.00615**	**<0.00066**	**<0.00067**	**<0.00067**	**0.0702**	**0.05455**	**<0.00214**	**<0.00062**	**0.01116**	**0.01317**	**<0.00107**	**0.1202**	**0.082 - 0.88**	**<0.00063**	**<0.00062**	**0.675**	**0.03416**
b-BHC	mg/kg	0.36	<0.00046U	<0.00044U	<0.0018U	<0.0005U	<0.00051U	<0.0005U	0.018U	0.072U	<0.0021U	<0.00047U	0.031U	0.031U	<0.00046U	0.45U	0.22U	<0.0019U	<0.00046U	0.071U	0.092U
Chlordane (cis)	mg/kg	4.2	<0.00035U	<0.00034U	<0.0018U	<0.00038U	<0.00039U	<0.00038U	0.0018U	0.023U	<0.00042U	<0.00036U	0.0035U	0.0069U	<0.00035U	0.054U	0.04U	<0.00036U	<0.00035U	0.03U	0.02U
Chlordane (trans)	mg/kg	NA	<0.00035U	<0.00033U	0.035U	<0.002U	0.002U	<0.00038U	0.16U	1.2U	0.012U	<0.00036U	0.24U	0.22U	0.0018U	**3.3**	**2.1**	0.0076U	<0.0018U	1.2U	0.61U
d-BHC	mg/kg	100	<0.00027U	<0.00026U	<0.00027U	<0.00029U	<0.002U	<0.0003U	<0.00027U	<0.00029U	<0.00032U	<0.00028U	<0.00026U	<0.00028U	<0.00027U	<0.0056U	<0.0003U	<0.00028U	<0.0018U	<0.00027U	<0.00028U
DDD	mg/kg	13	<0.00023U	<0.00022U	<0.0018U	<0.00025U	<0.00026U	<0.00025U	0.0034U	<0.00024U	0.0021U	**<0.00024J**	0.0048U	0.0048U	<0.0018U	0.022U	0.01U	<0.00024U	<0.00023U	0.013U	0.053U
DDT	mg/kg	7.9	<0.00026U	<0.00025U	0.0019U	<0.00029U	<0.00029U	<0.00029U	**0.079**	0.071U	0.0056U	<0.00027U	**0.15**	0.022U	<0.0018U	0.2U	0.15U	<0.0019U	<0.00027U	0.087U	0.056U
DDT+DDE+DDD	mg/kg	NA	**<0.00076**	**<0.00073**	**0.002585**	**<0.00083**	**<0.00084**	**<0.00083**	**0.08253**	**0.08412**	**0.00786**	**<0.00078**	**0.1549**	**0.02694**	**<0.00267**	**0.2221**	**0.1602**	**<0.00091**	**<0.00077**	**0.1001**	**0.1159**
Dieldrin	mg/kg	0.2	<0.0003U	<0.00028U	<0.0018U	<0.00032U	<0.00032U	<0.00032U	**0.0072**	0.054U	**<0.0016J**	<0.0003U	**0.011**	**0.013**	<0.0018U	0.12U	0.082U	<0.0003U	<0.0003U	0.055U	0.034U
Endosulfan I	mg/kg	24	<0.00033U	<0.00032U	**0.003**	<0.00036U	<0.00037U	<0.00036U	0.014U	**0.076**	**0.0027**	<0.00034U	0.028U	**0.026**	<0.0018U	**0.21**	**0.13**	<0.0019U	<0.00033U	**0.11**	**0.061**
Endosulfan II	mg/kg	24	<0.00031U	<0.0003U	<0.00031U	<0.00034U	<0.00034U	<0.00034U	<0.0018U	0.019U	<0.00037U	<0.00032U	0.0022U	0.0023U	<0.00031U	0.033U	0.03U	<0.00032U	<0.00031U	0.015U	0.0095U
Endosulfan sulphate	mg/kg	24	<0.00018U	<0.00018U	<0.0018U	<0.0002U	<0.0002U	<0.0002U	0.0073U	0.06U	0.0021U	<0.00019U	0.011U	0.0099U	<0.0018U	0.11U	0.078U	<0.00019U	<0.00019U	0.052U	0.045U
Endrin	mg/kg	11	<0.00034U	<0.00033U	0.0078U	<0.00037U	<0.002U	<0.00038U	0.035U	0.37U	0.017U	<0.00035U	0.069U	0.07U	0.0018U	0.68U	0.49U	0.0019U	<0.00035U	0.27U	0.18U
Endrin aldehyde	mg/kg	NA	<0.00034U	<0.00033U	0.0018U	<0.00037U	<0.00038U	<0.00038U	0.0041U	**0.069**	**0.0023**	<0.00035U	0.0088U	0.01U	<0.0018U	0.13U	**0.089**	<0.00035U	<0.00035U	0.029U	0.027U
Endrin ketone	mg/kg	NA	<0.00028U	<0.00026U	<0.0018U	<0.0003U	<0.0003U	<0.0003U	0.0054U	0.046U	<0.0021U	<0.00028U	0.01U	0.011U	<0.0018U	0.083U	0.058U	<0.00028U	<0.00028U	0.053U	0.029U
g-BHC (Lindane)	mg/kg	1.3	<0.00031U	<0.0003U	<0.00031U	<0.00034U	<0.00034U	<0.00034U	<0.0018U	0.0023U	<0.00037U	<0.00032U	<0.0018U	<0.0019U	<0.00031U	0.027U	0.017U	<0.00032U	<0.00031U	0.0029U	0.0059U
Heptachlor	mg/kg	2.1	<0.00039U	<0.00038U	0.0029U	<0.002U	<0.00043U	<0.00043U	0.018U	<0.00042U	0.004U	<0.0004U	0.034U	0.034U	<0.0018U	0.59U	0.25U	<0.0019U	<0.0004U	0.099U	0.1U
Heptachlor epoxide	mg/kg	NA	<0.00035U	<0.00033U	0.028U	<0.002U	<0.002U	<0.00038U	0.14U	1.3U	0.025U	<0.00035U	0.49U	0.28U	0.009U	4.5U	2.7U	0.0096U	<0.0018U	1.4U	1.3U
Methoxychlor	mg/kg	NA	<0.00037U	<0.00035U	<0.0035U	<0.0004U	<0.00041U	<0.0004U	<0.0018U	0.014U	<0.0021U	<0.00038U	0.065U	<0.0033U	<0.0035U	0.65U	0.47U	<0.0019U	<0.00037U	0.011U	0.16U
PCBs	**Units**	**SCOs**																			
Arochlor 1248	mg/kg	NA	<0.0017U	<0.0016U	**1.9**	**0.051**	**0.13**	<0.0018U	**10**	**71**	**2**	<0.0017U	**24**	**26**	**0.91**	**260**	**160**	**0.5**	**0.065**	**100**	**60**
Arochlor 1254	mg/kg	NA	<0.0025U	<0.0024U	<0.0025U	<0.0027U	<0.0028U	<0.0028U	<0.025U	<0.13U	<0.003U	<0.0026U	<0.049U	<0.052U	<0.0025U	<0.52U	<0.56U	<0.0026U	<0.0025U	<0.25U	<0.13U
Arochlor 1260	mg/kg	NA	<0.0025U	<0.0024U	**0.1**	<0.0027U	<0.0028U	<0.0028U	**0.5**	**5.4**	**0.17**	<0.0026U	**1.1**	**1.2**	**0.083J**	**12**	**8.3**	**0.022**	<0.0025U	**4.9**	**3**
Arochlor 1262	mg/kg	NA	<0.0039U	<0.0037U	<0.0038U	<0.0042U	<0.0043U	<0.0042U	<0.038U	<0.2U	<0.0046U	<0.004U	<0.075U	<0.08U	<0.0038U	<0.8U	<0.86U	<0.004U	<0.0039U	<0.39U	<0.2U
PCBs Total	mg/kg	1	ND	ND	**2**	**0.051**	**0.13**	ND	**10.5**	**76.4**	**2.17**	ND	**25.1**	**27.2**	**0.993**	**272**	**168.3**	**0.522**	**0.065**	**104.9**	**63**
SVOCs	**Units**	**SCOs**																			
2-methylnaphthalene	mg/kg	NA	<0.0064U	<0.0062U	**<0.029J**	**0.12**	**0.078**	<0.007U	**<0.025J**	**0.5**	**<0.056J**	<0.0067U	**<0.045J**	**0.17**	**<0.025J**	**0.46**	**0.73**	**<0.0096J**	<0.0065U	**0.12**	**0.11**
Acenaphthene	mg/kg	100	<0.0068U	<0.0066U	<0.0067U	<0.0074U	<0.0074U	<0.0074U	<0.0068U	**<0.034J**	<0.0081U	<0.0071U	<0.0068U	<0.007U	<0.014U	<0.0071U	**0.68**	<0.007U	<0.0069U	**<0.018J**	**0.28**
Acenaphthylene	mg/kg	100	<0.0081U	<0.0079U	<0.008U	<0.0089U	<0.0089U	<0.0089U	<0.0081U	**<0.024J**	**<0.025J**	<0.0085U	<0.0081U	**<0.018J**	<0.016U	**<0.037J**	**<0.048J**	<0.0083U	<0.0082U	**0.12**	**0.29**
Anthracene	mg/kg	100	<0.0069U	<0.0067U	<0.0069U	**<0.018J**	**<0.013J**	<0.0076U	<0.0069U	**<0.037J**	**<0.022J**	<0.0072U	**<0.013J**	**<0.026J**	<0.014U	**<0.038J**	**1.2**	**<0.011J**	<0.007U	**0.11**	**0.23**
Benz(a)anthracene	mg/kg	1	<0.0089U	<0.0086U	<0.0088U	<0.0097U	**<0.042J**	<0.0097U	<0.0089U	**0.1**	**<0.081J**	<0.0093U	**<0.046J**	**0.097**	<0.018U	**0.1**	**1.8**	<0.0091U	<0.009U	**0.22**	**0.37**
Benzo(a) pyrene	mg/kg	1	<0.0071U	<0.0069U	<0.007U	<0.0077U	**<0.029J**	<0.0078U	<0.0071U	**0.082**	**<0.056J**	<0.0074U	**<0.041J**	**0.088**	<0.014U	**0.085**	**1.6**	<0.0073U	<0.0072U	**0.25**	**0.35**
Benzo(b)fluoranthene	mg/kg	1	<0.011U	<0.011U	<0.011U	<0.012U	**<0.062J**	<0.012U	<0.011U	**0.14**	**<0.077J**	<0.012U	**<0.058J**	**0.14**	<0.022U	**0.15**	**1.8**	<0.011U	<0.011U	**0.41**	**0.57**
Benzo(g,h,i)perylene	mg/kg	100	<0.0071U	<0.0068U	<0.007U	<0.0077U	<0.0077U	<0.0077U	<0.007U	**0.099**	**<0.068J**	<0.0074U	**<0.044J**	**0.099**	<0.014U	**0.086**	**1.3**	<0.0072U	<0.0071U	**0.25**	**0.47**
Benzo(k)fluoranthene	mg/kg	3.9	<0.014U	<0.014U	<0.014U	<0.016U	<0.016U	<0.016U	<0.014U	**<0.052J**	**<0.029J**	<0.015U	**<0.028J**	**<0.047J**	<0.029U	**<0.053J**	**0.78**	<0.015U	<0.015U	**0.15**	**0.19**
Bis(2-ethylhexyl) phthalate	mg/kg	NA	<0.057U	<0.056U	<0.057U	<0.063U	<0.063U	<0.063U	<0.057U	<0.06U	<0.068U	<0.06U	<0.057U	<0.059U	<0.12U	<0.06U	<0.064U	<0.059U	<0.058U	<0.058U	<0.059U
Butyl benzyl phthalate	mg/kg	NA	<0.048U	<0.047U	<0.048U	<0.053U	<0.053U	<0.053U	<0.048U	<0.051U	<0.058U	<0.051U	<0.048U	<0.05U	<0.097U	<0.051U	<0.054U	<0.05U	<0.049U	<0.049U	<0.05U
Carbazole	mg/kg	NA	<0.0065U	<0.0063U	<0.0065U	<0.0071U	<0.0071U	<0.0071U	<0.0065U	**<0.025J**	<0.0078U	<0.0068U	<0.0065U	<0.0067U	<0.013U	**<0.022J**	**0.37**	<0.0067U	<0.0066U	**<0.022J**	**0.21**
Chrysene	mg/kg	3.9	<0.0084U	<0.0082U	<0.0084U	<0.0092U	**0.13**	<0.0092U	<0.0084U	**0.22**	**0.11**	<0.0088U	**<0.065J**	**0.14**	<0.017U	**0.18**	**1.8**	<0.0087U	<0.0085U	**0.29**	**0.45**
Dibenz(a,h)anthracene	mg/kg	0.33	<0.0079U	<0.0077U	<0.0078U	<0.0086U	<0.0086U	<0.0086U	<0.0079U	**<0.039J**	<0.0094U	<0.0082U	**<0.018J**	**<0.025J**	<0.016U	<0.0083U	**0.28**	<0.0081U	<0.008U	**0.076**	**0.12**

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN SUBSURFACE BORINGS

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			Athletic Fields		Rear Parking Lot																
Sample Location			**SSHS-B43-A**	**SSHS-B43-A**	**SSHS-B64**	**SSHS-B64**	**SSHS-B64**	**SSHS-B64**	**SSHS-B65**	**SSHS-B65**	**SSHS-B65**	**SSHS-B65**	**SSHS-B66**	**SSHS-B66**	**SSHS-B66**	**SSHS-B67**	**SSHS-B67**	**SSHS-B67**	**SSHS-B67**	**SSHS-B68**	**SSHS-B68**
Depth Interval Sampled [ft]			**7-9**	**11.5-13.5**	**0.17-2**	**4-6**	**6-9**	**10-12**	**0.17-2**	**4-6**	**8-10**	**10-12**	**0.17-2**	**2-4**	**6-8**	**0.17-2**	**2-6**	**8-10**	**10-12**	**0.17-2**	**2-6**
Date Sampled			**8/15/2014**	**8/15/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**
Dibenzofuran	mg/kg	59	<0.035U	<0.034U	<0.035U	**<0.044J**	<0.038U	<0.038U	<0.035U	**<0.16J**	<0.042U	<0.036U	<0.035U	**<0.051J**	<0.07U	**<0.13J**	**0.53**	<0.036U	<0.035U	**<0.042J**	**0.54**
Di-n-octyl phthalate	mg/kg	NA	<0.037U	<0.036U	<0.037U	<0.041U	<0.041U	<0.041U	<0.037U	<0.039U	<0.045U	<0.039U	<0.037U	<0.039U	<0.075U	<0.039U	<0.042U	<0.038U	<0.038U	<0.038U	<0.038U
Fluoranthene	mg/kg	100	<0.0076U	<0.0074U	<0.0075U	**0.085**	**<0.065J**	<0.0083U	**<0.01J**	**0.23**	**0.11**	<0.0079U	**<0.061J**	**0.2**	**<0.02J**	**0.15**	**4.9**	**<0.03J**	<0.0077U	**0.36**	**0.88**
Fluorene	mg/kg	100	<0.0093U	<0.0091U	<0.0093U	<0.01U	<0.01U	<0.01U	<0.0093U	**<0.06J**	<0.011U	<0.0097U	<0.0093U	**<0.015J**	<0.019U	**<0.024J**	**0.66**	<0.0096U	<0.0095U	<0.0094U	**0.3**
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	<0.0073U	<0.0071U	<0.0072U	<0.008U	**<0.025J**	<0.008U	<0.0073U	**<0.065J**	**<0.04J**	<0.0076U	**<0.035J**	**0.076**	<0.015U	**<0.062J**	**1.1**	<0.0075U	<0.0074U	**0.21**	**0.37**
Naphthalene	mg/kg	100	<0.0061U	<0.0059U	**<0.019J**	**<0.05J**	**<0.044J**	<0.0067U	**<0.019J**	**0.3**	**<0.045J**	<0.0064U	**<0.033J**	**0.11**	<0.012U	**0.3**	**0.66**	<0.0063U	<0.0062U	**0.09**	**0.63**
N-nitrosodi-n-propylamine	mg/kg	NA	<0.0083U	<0.0081U	<0.0082U	<0.0091U	<0.0091U	<0.0091U	<0.0083U	<0.0088U	<0.0099U	<0.0087U	<0.0083U	<0.0086U	<0.017U	<0.0087U	<0.0093U	<0.0085U	<0.0084U	<0.0084U	<0.0086U
Phenanthrene	mg/kg	100	<0.011U	<0.011U	**<0.02J**	**0.32**	**0.17**	<0.012U	<0.011U	**0.44**	**0.1**	<0.012U	**<0.056J**	**0.19**	<0.023U	**0.28**	**4.2**	**<0.026J**	<0.011U	**0.19**	**0.54**
Pyrene	mg/kg	100	<0.0072U	<0.007U	<0.0071U	**<0.077J**	**<0.056J**	<0.0078U	**<0.011J**	**0.18**	**0.097**	<0.0075U	**<0.059J**	**0.16**	**<0.018J**	**0.13**	**3.4**	**<0.021J**	<0.0073U	**0.29**	**0.66**
VOCs	**Units**	**SCOs**																			
1,1-dichloroethene	mg/kg	100	<0.00079U	<0.00084U	<0.00071U	<0.0014U	<0.00069U	<0.00072U	<0.00078U	<0.00071U	<0.00083U	<0.00068U	<0.00079U	<0.00072U	<0.00085U	<0.00094U	<0.00077U	<0.00091U	<0.00082U	<0.00087U	<0.00092U
Acetone	mg/kg	100	<0.0047U	<0.005U	<0.0042U	<0.0081U	<0.0041U	<0.0042U	<0.0046U	<0.0042U	<0.0049U	<0.004U	<0.0047U	<0.0042U	<0.005U	<0.0055U	<0.0046U	<0.0053U	**<0.0053J**	<0.0051U	**<0.0068J**
cis-1,2-dichloroethene	mg/kg	100	<0.00065U	<0.0007U	<0.00059U	<0.0011U	<0.00057U	<0.00059U	<0.00065U	<0.00059U	<0.00069U	<0.00057U	<0.00066U	**<0.00072J**	<0.0007U	<0.00078U	<0.00064U	<0.00075U	<0.00068U	<0.00072U	<0.00076U
Cyclohexane	mg/kg	NA	<0.00035U	<0.00037U	<0.00031U	<0.0006U	<0.0003U	<0.00031U	<0.00034U	<0.00031U	<0.00036U	<0.0003U	<0.00035U	<0.00031U	<0.00037U	<0.00041U	<0.00034U	<0.0004U	<0.00036U	<0.00038U	<0.0004U
Freon 113	mg/kg	NA	<0.00099U,*	<0.0011U,*	<0.00089U	<0.0017U	<0.00087U	<0.0009U	<0.00098U	<0.00089U	<0.001U	<0.00086U	<0.00099U	<0.0009U	<0.0011U	<0.0012U	<0.00098U	<0.0011U	<0.001U	<0.0011U	<0.0012U
Methyl acetate	mg/kg	NA	<0.00084U	<0.0009U	<0.00075U	<0.0015U	<0.00073U	<0.00076U	<0.00083U	<0.00075U	<0.00089U	<0.00073U	<0.00084U	<0.00076U	<0.0009U	<0.001U	<0.00082U	<0.00096U	<0.00087U	<0.00092U	<0.00098U
Trichloroethene	mg/kg	21	<0.00061U	<0.00065U	<0.00055U	<0.0011U	<0.00053U	<0.00055U	<0.0006U	**<0.0015J**	<0.00065U	<0.00053U	**<0.0024J**	**0.0051**	**<0.00074J**	**<0.0025J**	**<0.0006J**	<0.0007U	<0.00063U	**<0.0015J**	<0.00071U

Notes:

J: estimated value

U: non-detect

E: result exceeded calibration range

mg/kg: milligrams per kilogram

 - : not analyzed

PCBs: polychlorinated biphenyls

SVOCs: semi-volatile organic compounds

VOCs: volatile organic compounds

SCOs Restricted Residential Soil Cleanup Objectives presented in 6 New York State Department of Environmental Conservation Subpart 375

ND: none of the individual Arochlors were detected above the method detection limit

Detections are presented in bold.

Concentrations detected above the SCOs are presented in gray

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN SUBSURFACE BORINGS

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			**Rear Parking Lot**												**Athletic Stand**				**Main Parking Lot and Tennis Courts**		
Sample Location			**SSHS-B68**	**SSHS-B69**	**SSHS-B69**	**SSHS-B69**	**SSHS-B100**	**SSHS-B100**	**SSHS-B100**	**SSHS-B100**	**SSHS-B101**	**SSHS-B101**	**SSHS-B101**	**SSHS-B101**	**SSHS-B70**	**SSHS-B70**	**SSHS-B70**	**SSHS-B70**	**SSHS-B71**	**SSHS-B71**	**SSHS-B71**
Depth Interval Sampled [ft]			**6-8**	**0.17-2**	**2-4**	**4-6**	**0.17-2**	**4-6**	**6-10**	**10-13.5**	**0.17-2**	**3-6**	**8-10**	**12-15.5**	**0.17-2**	**2-6**	**6-10**	**10-14**	**0.17-2**	**2.5-4.5**	**6-9.5**
Date Sampled			**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/15/2014**	**8/15/2014**	**8/15/2014**	**8/15/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/15/2014**	**8/15/2014**	**8/15/2014**
Inorganics	**Units**	**SCOs**																			
Aluminum	mg/kg	NA	**9,800**	**6,600**	**6,800**	**7,100**	**6,300**	**3,100**	**11,000**	**13,000**	**7,900**	**3,500**	**2,800**	**6,800**	**10,000**	**7,600**	**7,200**	**5,800**	**8,200**	**9,100**	**5,300**
Antimony	mg/kg	NA	<0.22U	<0.22U	**<1.6J**	**<0.23J**	**1.7**	<0.23U	<0.23U	<0.24U	<0.21U	**2.7**	**<0.36J**	<0.2U	<0.21U	<0.22U	**<0.61J**	**<0.28J**	<0.22U	<0.21U	<0.2U
Arsenic	mg/kg	16	**7.6**	**6.7**	**28**	**19**	**18**	**7.8**	**7.8**	**8.2**	**12**	**17**	**26**	**5.6**	**7.5**	**8.3**	**8.1**	**5.5**	**6**	**11**	**12J**
Barium	mg/kg	400	**57**	**54**	**240**	**100**	**110**	**58**	**110**	**81**	**82**	**140**	**210**	**62**	**100**	**92**	**190**	**74**	**89**	**55**	**42**
Beryllium	mg/kg	72	**<0.42J**	**<0.32J**	**<0.47J**	**<0.36J**	**<0.31J**	**0.49**	**0.53**	**0.57**	**<0.38J**	**0.92**	**0.61**	**<0.35J**	**0.53**	**<0.39J**	**<0.38J**	**<0.26J**	**<0.32J**	**<0.4J**	**<0.21J**
Cadmium	mg/kg	4.3	<0.56U	<0.55U	<0.63U	<0.52U	**<0.33J**	**<0.067J**	**<0.094J**	**<0.057J**	**<0.12J**	**<0.069J**	<0.017U	**<0.11J**	<0.015U	<0.016U	<0.55U	<0.015U	**<0.066J**	**<0.034J**	**<0.015J**
Calcium	mg/kg	NA	**8,100**	**25,000**	**7,500**	**7,600**	**13,000**	**7,600**	**4,500**	**1,100**	**16,000**	**2,000**	**11,000**	**22,000**	**1,700**	**11,000**	**19,000**	**17,000**	**23,000**	**2,300**	**36,000**
Chromium (III+VI)	mg/kg	110	**12B**	**8.1B**	**40B**	**16J**	**75**	**9.4**	**13**	**15**	**12**	**9.3**	**11**	**10**	**12**	**11**	**39**	**7.5**	**8.8B**	**11B**	**8B**
Cobalt	mg/kg	NA	**7.8**	**6.5**	**7.8**	**6.2**	**8.7**	**<4.2J**	**9.4**	**10**	**7.7**	**7.2**	**6.5**	**6.6**	**8.8**	**6.2**	**6.2**	**5.5**	**<5J**	**7.1**	**<4.5J**
Copper	mg/kg	270	**35**	**20**	**340**	**100**	**800**	**45**	**22**	**15**	**63**	**70**	**47**	**29**	**15**	**26**	**75**	**18**	**29**	**27**	**16**
Cyanide Total	mg/kg	27	**6.4**	<0.16U	<0.18U	**<0.55J**	**<0.46J**	**1.9**	<0.17U	<0.17U	<0.15U	**<0.38J**	<0.62U	<0.57U	<0.56U	<0.55U	**1.2B**	<0.58U	<0.15U	<0.16U	<0.15U
Iron	mg/kg	NA	**20,000**	**16,000**	**44,000**	**25,000**	**60,000**	**22,000**	**22,000**	**24,000**	**21,000**	**29,000**	**26,000**	**14,000**	**19,000B**	**17,000B**	**20,000B**	**14,000B**	**14,000**	**19,000**	**13,000**
Lead	mg/kg	400	**40**	**15**	**1,800**	**72J**	**260**	**17**	**17**	**13**	**54**	**120**	**26**	**9**	**15**	**35**	**160**	**23**	**21**	**16**	**7.2**
Magnesium	mg/kg	NA	**3,500**	**4,900**	**1,900**	**2,900**	**3,900**	**1,600**	**3,200**	**3,100**	**3,900**	**850**	**2,300**	**5,900**	**2,600**	**3,300**	**3,300**	**4,500**	**3,400**	**2,100**	**11,000**
Manganese	mg/kg	2000	**430**	**450**	**470**	**340**	**560**	**200**	**580**	**450**	**540**	**180**	**87**	**420**	**490**	**450**	**430**	**360**	**360**	**590**	**420**
Mercury	mg/kg	0.81	**<0.032J**	**<0.025J**	**0.39**	**0.11**	**0.19**	<0.012U	**0.038**	**<0.028J**	**<0.032J**	**0.13**	**0.1**	**<0.013J**	**0.046**	**0.046**	**0.099**	**0.11**	**0.038**	<0.012U	<0.011U
Nickel	mg/kg	310	**26**	**16**	**160**	**49**	**140B**	**21B**	**19B**	**19B**	**47**	**16**	**16**	**17**	**19**	**28**	**100**	**13**	**13**	**17**	**11**
Potassium	mg/kg	NA	**700**	**610**	**650**	**660**	<550U	**580**	**1,500**	**2,200**	**750**	<640U	<610U	**690**	**830B**	**630B**	**730B**	**660B**	**770**	**1,000**	**780**
Selenium	mg/kg	180	**<0.65J**	**<0.51J**	**2.5**	**1.6**	**1.6**	**1.3**	**<0.43J**	**<0.37J**	**<0.54J**	**1.8**	**2.6**	**<0.44J**	<0.28U	**<0.61J**	**<0.73J**	**<0.31J**	<0.29U	**<0.49J**	**<0.64J**
Sodium	mg/kg	NA	**<220J**	**<180J**	**<520J**	**<220J**	**<200J**	**<290J**	**<170J**	**<210J**	**<92J**	**<180J**	**<180J**	**<71J**	**<28J**	**<63J**	**<150J**	**<87J**	**<200J**	**<43J**	**<89J**
Vanadium	mg/kg	NA	**15B**	**12B**	**18B**	**14B**	**24**	**20**	**16**	**19**	**13**	**18**	**17**	**10**	**14**	**15**	**14**	**11**	**12**	**17**	**9.6**
Zinc	mg/kg	10000	**63B**	**57B**	**200B**	**110B**	**260B**	**25B**	**65B**	**63B**	**110B**	**68B**	**35B**	**76B**	**51B**	**66B**	**98B**	**53B**	**61B**	**55B**	**43B**
Organochlorine Pesticides	**Units**	**SCOs**																			
4,4-DDE	mg/kg	8.9	<0.00028U	<0.00027U	<0.0003U	<0.00028U	<0.022U	<0.0003U	<0.0003U	<0.0003U	<0.00027U	<0.00031U	<0.00031U	<0.00029U	<0.00028U	<0.00027U	<0.00028U	<0.00028U	<0.00027U	<0.00027U	<0.00026U
Aldrin	mg/kg	0.097	<0.0019U	<0.00032U	2.6U	0.36U	0.046U	<0.00035U	<0.00036U	<0.00036U	0.044U	<0.00036U	<0.00037U	<0.00034U	0.004U	0.027U	0.22U	<0.00033U	<0.00032U	<0.00032U	<0.00031U
Aldrin + Dieldrin	mg/kg	NA	**<0.00166**	**<0.00062**	**0.2 - 2.6**	**0.023 - 0.36**	**0.0551**	**<0.00068**	**<0.00069**	**<0.00069**	**0.0512**	**<0.0007**	**<0.00071**	**<0.00066**	**0.004155**	**0.02715**	**0.241**	**0.006765**	**<0.00062**	**<0.00062**	**<0.0006**
b-BHC	mg/kg	0.36	<0.00047U	<0.0018U	0.99U	0.11U	0.0092U	<0.00051U	<0.00052U	<0.00052U	0.006U	<0.00053U	<0.00053U	<0.0005U	<0.00049U	0.007U	0.043U	<0.00048U	<0.00046U	<0.00047U	<0.00045U
Chlordane (cis)	mg/kg	4.2	<0.00036U	<0.00036U	0.11U	0.012U	0.0074U	<0.00039U	<0.0004U	<0.0004U	0.0023U	<0.0004U	<0.00041U	<0.00038U	<0.00037U	<0.0019U	0.012U	<0.0019U	**<0.00054J**	<0.00036U	<0.00034U
Chlordane (trans)	mg/kg	NA	0.0047U	0.0027U	3.3U	0.49U	0.25U	<0.00039U	<0.00039U	<0.0004U	0.18U	<0.0004U	0.0081U	<0.00038U	0.031U	0.064U	0.23U	0.069U	**<0.00099J**	<0.00036U	<0.00034U
d-BHC	mg/kg	100	<0.0019U	<0.00028U	<0.006U	<0.00028U	<0.00028U	<0.0003U	<0.0003U	<0.00031U	<0.00027U	<0.00031U	0.0032U	<0.00029U	<0.00029U	<0.00028U	<0.00028U	<0.0019U	<0.00027U	<0.00028U	<0.00027U
DDD	mg/kg	13	<0.00024U	<0.0018U	0.29U	0.0022U	0.0055U	<0.00026U	<0.00026U	<0.00026U	0.0026U	<0.00027U	<0.0021U	<0.00025U	0.0019U	0.0048U	0.036U	0.0069U	<0.00023U	<0.00024U	<0.00023U
DDT	mg/kg	7.9	**0.021**	<0.0018U	**2.1**	0.034U	0.022U	<0.00029U	<0.0003U	<0.0003U	**0.097**	<0.0003U	<0.0021U	<0.00029U	**0.016**	0.0073U	0.053U	0.031U	<0.00027U	<0.00027U	<0.00026U
DDT+DDE+DDD	mg/kg	NA	**0.02126**	**<0.00179**	**0.2902 - 2.1**	**0.03634**	**0.02764**	**<0.00085**	**<0.00086**	**<0.00086**	**0.09974**	**<0.00088**	**<0.00131**	**<0.00083**	**0.01804**	**0.01224**	**0.08914**	**0.03804**	**<0.00077**	**<0.00078**	**<0.00075**
Dieldrin	mg/kg	0.2	**<0.0013J**	<0.0003U	0.2U	**0.023**	0.0091U	<0.00033U	<0.00033U	<0.00033U	0.0072U	<0.00034U	<0.00034U	<0.00032U	<0.00031U	<0.0003U	0.021U	**0.0066**	<0.0003U	<0.0003U	<0.00029U
Endosulfan I	mg/kg	24	**<0.00085J**	**<0.00059J**	**0.43**	**0.048**	**0.02**	<0.00037U	<0.00037U	<0.00038U	**0.013**	<0.00038U	**<0.00063J**	<0.00036U	**<0.0018J**	**0.0047**	**0.039**	**0.007**	<0.00033U	<0.00034U	<0.00033U
Endosulfan II	mg/kg	24	<0.00032U	<0.00032U	0.062U	0.0065U	0.003U	<0.00035U	<0.00035U	<0.00035U	<0.0018U	<0.00036U	<0.00036U	<0.00034U	<0.0019U	<0.0019U	0.0055U	<0.0019U	<0.00031U	<0.00032U	<0.00031U
Endosulfan sulphate	mg/kg	24	<0.0019U	<0.0018U	0.17U	0.021U	0.012U	<0.00021U	<0.00021U	<0.00021U	0.007U	<0.00021U	<0.0021U	<0.0002U	<0.0019U	0.0027U	0.018U	0.0052U	**<0.00024J**	<0.00019U	<0.00018U
Endrin	mg/kg	11	**0.0096**	0.0026U	1.2U	0.13U	0.062U	<0.00038U	<0.00039U	<0.00039U	0.042U	<0.00039U	<0.0021U	<0.00037U	0.0078U	0.016U	0.15U	0.098U	<0.00035U	<0.00035U	<0.00034U
Endrin aldehyde	mg/kg	NA	**0.0019**	<0.00035U	0.097U	0.013U	0.014U	<0.00038U	<0.00039U	<0.00039U	0.0078U	<0.00039U	<0.0004U	<0.00037U	<0.0019U	**0.0033**	**0.024**	<0.00036U	<0.00035U	<0.00035U	<0.00034U
Endrin ketone	mg/kg	NA	<0.0019U	<0.00028U	0.15U	0.02U	0.01U	<0.00031U	<0.00031U	<0.00031U	0.0061U	<0.00032U	<0.00032U	<0.0003U	<0.0019U	0.0023U	0.016U	<0.0019U	<0.00028U	<0.00028U	<0.00027U
g-BHC (Lindane)	mg/kg	1.3	<0.00032U	<0.0018U	0.067U	0.0094U	<0.00033U	<0.00035U	<0.00035U	<0.00035U	<0.00032U	<0.00036U	<0.00036U	<0.00034U	<0.00033U	<0.0019U	0.02U	<0.00033U	<0.00031U	<0.00032U	<0.0003U
Heptachlor	mg/kg	2.1	<0.00041U	<0.0004U	<0.0088U	<0.00041U	0.011U	<0.00044U	<0.00044U	<0.00045U	0.014U	**<0.0011J**	<0.0021U	**<0.00064J**	<0.00042U	0.018U	0.062U	<0.00041U	**<0.00042J**	<0.0004U	<0.00039U
Heptachlor epoxide	mg/kg	NA	<0.0019U	0.0065U	5.2U	1U	0.2U	<0.00038U	<0.00039U	<0.00039U	0.13U	<0.0004U	0.0097U	<0.00037U	0.016U	0.051U	0.42U	0.013U	<0.00035U	<0.00035U	<0.00034U
Methoxychlor	mg/kg	NA	<0.00038U	<0.00038U	0.97U	0.12U	0.056U	<0.0039U	<0.00042U	<0.00042U	0.042U	<0.00042U	<0.00043U	<0.0004U	<0.00039U	0.018U	0.26U	<0.0037U	<0.00037U	<0.00038U	<0.00036U
PCBs	**Units**	**SCOs**																			
Arochlor 1248	mg/kg	NA	**0.49**	**0.52**	**390**	**48**	**13**	**0.025**	<0.0019U	<0.0019U	**13**	<0.0019U	**0.5**	<0.0018U	**1.4**	**3.9**	**39**	<0.0018U	<0.0017U	<0.0017U	<0.0016U
Arochlor 1254	mg/kg	NA	<0.0026U	<0.0026U	<0.56U	<0.13U	<0.026U	<0.0028U	<0.0028U	<0.0029U	<0.026U	<0.0029U	<0.0029U	<0.0027U	<0.0027U	<0.0026U	<0.13U	**3.3**	<0.0025U	<0.0026U	<0.0025U
Arochlor 1260	mg/kg	NA	**0.1**	**0.051**	**18**	**2.2**	**0.89**	<0.0028U	<0.0028U	<0.0029U	**0.75**	<0.0029U	**0.043**	<0.0027U	**0.1**	**0.2**	**2.3**	<0.0026U	<0.0025U	<0.0026U	<0.0025U
Arochlor 1262	mg/kg	NA	<0.004U	<0.0039U	<0.87U	<0.2U	<0.041U	<0.0043U	<0.0044U	<0.0044U	<0.039U	<0.0044U	<0.0045U	<0.0042U	<0.0041U	<0.004U	<0.2U	<0.0041U	<0.0039U	<0.004U	<0.0038U
PCBs Total	mg/kg	1	**0.59**	**0.571**	**408**	**50.2**	**13.89**	**0.025**	ND	ND	**13.75**	ND	**0.543**	ND	**1.5**	**4.1**	**41.3**	**3.3**	ND	ND	ND
SVOCs	**Units**	**SCOs**																			
2-methylnaphthalene	mg/kg	NA	**<0.014J**	**<0.042J**	**0.88**	**0.27**	**0.097**	**<0.048J**	<0.0073U	<0.0073U	**<0.029J**	**0.37**	**0.25**	<0.0069U	**<0.011J**	**0.17**	**<0.2 - 0.2J**	<0.0067U	**<0.041J**	**<0.0096J**	<0.0062U
Acenaphthene	mg/kg	100	<0.007U	**<0.071J**	**<0.074J**	**<0.037J**	**<0.01J**	<0.0076U	<0.0078U	<0.0078U	<0.0069U	<0.0078U	<0.0079U	<0.0073U	<0.0072U	**0.14**	**0.51 - 0.54**	<0.0072U	<0.007U	<0.0069U	<0.0067U
Acenaphthylene	mg/kg	100	**<0.013J**	**0.4**	**0.12**	**0.15**	**<0.021J**	<0.009U	<0.0093U	<0.0093U	<0.0082U	<0.0093U	<0.0094U	<0.0088U	**<0.037J**	**0.42**	**<0.062 - 0.09J**	<0.0085U	**<0.033J**	<0.0082U	<0.0079U
Anthracene	mg/kg	100	**<0.017J**	**0.36**	**0.17**	**0.13**	**<0.024J**	<0.0077U	<0.008U	<0.0079U	<0.007U	**<0.033J**	**<0.014J**	<0.0075U	**<0.022J**	**0.46**	**2.5 - 2.6**	<0.0073U	**<0.037J**	<0.007U	<0.0068U
Benz(a)anthracene	mg/kg	1	<0.0092U	**0.77**	**0.38**	**0.32**	**0.077**	<0.0099U	<0.01U	<0.01U	<0.0089U	**0.11**	**<0.055J**	<0.0096U	**<0.055J**	**1.3**	**6.7 - 6.8**	<0.0093U	**0.14**	<0.009U	<0.0087U
Benzo(a) pyrene	mg/kg	1	<0.0073U	**0.78**	**0.32**	**0.26**	**0.074**	<0.0079U	<0.0081U	<0.0081U	<0.0071U	**0.084**	**<0.052J**	<0.0077U	**<0.067J**	**1.3**	**5.8 - 5.9**	<0.0075U	**0.14**	<0.0072U	<0.0069U
Benzo(b)fluoranthene	mg/kg	1	<0.012U	**0.91**	**0.48**	**0.37**	**0.11**	<0.012U	<0.013U	<0.013U	<0.011U	**0.15**	**0.089**	<0.012U	**0.1**	**1.5**	**6.4 - 6.9**	<0.012U	**0.17**	<0.011U	<0.011U
Benzo(g,h,i)perylene	mg/kg	100	<0.0073U	**0.75**	**0.34**	**0.32**	**0.076**	<0.0079U	<0.0081U	<0.008U	<0.0071U	**0.14**	**0.087**	<0.0076U	**<0.068J**	**1.1**	**4.2 - 4.6**	<0.0074U	**0.12**	<0.0071U	<0.0069U
Benzo(k)fluoranthene	mg/kg	3.9	<0.015U	**0.43**	**0.2**	**0.14**	**<0.042J**	<0.016U	<0.016U	<0.016U	<0.014U	**<0.037J**	<0.017U	<0.015U	**<0.018J**	**0.69**	**2.6**	<0.015U	**<0.051J**	<0.015U	<0.014U
Bis(2-ethylhexyl) phthalate	mg/kg	NA	**<0.1J**	<0.059U	<0.065U	<0.059U	<0.059U	<0.064U	<0.066U	<0.065U	<0.058U	<0.066U	<0.067U	<0.062U	<0.061U	<0.059U	<0.06U	<0.06U	<0.059U	<0.058U	<0.056U
Butyl benzyl phthalate	mg/kg	NA	<0.05U	<0.05U	<0.055U	<0.05U	<0.05U	<0.054U	<0.056U	<0.055U	<0.049U	<0.056U	<0.056U	<0.052U	<0.052U	<0.05U	<0.051U	<0.051U	<0.05U	<0.049U	<0.047U
Carbazole	mg/kg	NA	**<0.03J**	**<0.07J**	**<0.066J**	**<0.033J**	<0.0068U	<0.0073U	<0.0075U	<0.0075U	<0.0066U	<0.0075U	<0.0076U	<0.007U	<0.007U	**0.13**	**0.64**	<0.0069U	<0.0067U	<0.0066U	<0.0064U
Chrysene	mg/kg	3.9	<0.0087U	**0.81**	**0.56**	**0.44**	**0.11**	<0.0094U	<0.0097U	<0.0096U	<0.0085U	**0.31**	**0.19**	<0.0091U	**<0.067J**	**1.4**	**6.1 - 6.4**	<0.0089U	**0.13**	<0.0086U	<0.0083U
Dibenz(a,h)anthracene	mg/kg	0.33	<0.0081U	**0.19**	**0.091**	**0.091**	<0.0082U	<0.0088U	<0.009U	<0.009U	<0.0079U	**<0.041J**	<0.0092U	<0.0085U	**<0.018J**	**0.23**	**0.93 - 1.1**	<0.0083U	**<0.038J**	<0.008U	<0.0077U

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN SUBSURFACE BORINGS

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			**Rear Parking Lot**												**Athletic Stand**				**Main Parking Lot and Tennis Courts**		
Sample Location			**SSHS-B68**	**SSHS-B69**	**SSHS-B69**	**SSHS-B69**	**SSHS-B100**	**SSHS-B100**	**SSHS-B100**	**SSHS-B100**	**SSHS-B101**	**SSHS-B101**	**SSHS-B101**	**SSHS-B101**	**SSHS-B70**	**SSHS-B70**	**SSHS-B70**	**SSHS-B70**	**SSHS-B71**	**SSHS-B71**	**SSHS-B71**
Depth Interval Sampled [ft]			**6-8**	**0.17-2**	**2-4**	**4-6**	**0.17-2**	**4-6**	**6-10**	**10-13.5**	**0.17-2**	**3-6**	**8-10**	**12-15.5**	**0.17-2**	**2-6**	**6-10**	**10-14**	**0.17-2**	**2.5-4.5**	**6-9.5**
Date Sampled			**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/15/2014**	**8/15/2014**	**8/15/2014**	**8/15/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/15/2014**	**8/15/2014**	**8/15/2014**
Dibenzofuran	mg/kg	59	<0.036U	**<0.037J**	**<0.27J**	**<0.084J**	<0.036U	<0.039U	<0.04U	<0.04U	<0.035U	**<0.13J**	**<0.079J**	<0.038U	<0.037U	**<0.11J**	**<0.32J**	<0.037U	<0.036U	<0.035U	<0.034U
~~Di-n-octyl phthalate~~	~~mg/kg~~	~~NA~~	<0.039U	<0.039U	<0.042U	<0.039U	<0.039U	<0.042U	<0.043U	<0.043U	<0.038U	<0.043U	<0.043U	<0.04U	<0.04U	<0.038U	<0.039U	<0.039U	<0.038U	<0.038U	<0.037U
Fluoranthene	mg/kg	100	**<0.053J**	**1.2**	**0.84**	**0.44**	**0.15**	**<0.02J**	**<0.018J**	<0.0086U	**<0.028J**	**0.16**	**<0.077J**	<0.0082U	**0.094**	**2**	**15E**	<0.008U	**0.22**	**<0.015J**	<0.0074U
Fluorene	mg/kg	100	**<0.029J**	**0.094**	**0.11**	**<0.053J**	<0.0097U	<0.01U	<0.011U	<0.011U	<0.0094U	<0.011U	<0.011U	<0.01U	<0.0099U	**0.14**	**0.63 - 0.65**	<0.0098U	<0.0096U	<0.0095U	<0.0091U
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	<0.0075U	**0.6**	**0.25**	**0.23**	**<0.051J**	<0.0081U	<0.0084U	<0.0083U	<0.0074U	**<0.065J**	**<0.025J**	<0.0079U	**<0.054J**	**0.92**	**3.7 - 4**	<0.0077U	**0.097**	<0.0074U	<0.0071U
Naphthalene	mg/kg	100	**<0.037J**	**<0.053J**	**0.58**	**0.19**	**<0.057J**	**<0.028J**	<0.007U	<0.007U	**<0.018J**	**0.14**	**0.11**	<0.0066U	<0.0065U	**0.2**	**<0.26 - 0.23J**	<0.0064U	**<0.035J**	<0.0062U	<0.006U
N-nitrosodi-n-propylamine	mg/kg	NA	<0.0086U	<0.0086U	<0.0094U	<0.0086U	<0.0086U	<0.0093U	<0.0095U	<0.0095U	<0.0084U	<0.0095U	<0.0097U	<0.009U	<0.0088U	<0.0085U	<0.0087U	<0.0087U	<0.0085U	<0.0084U	<0.0081U
Phenanthrene	mg/kg	100	**<0.062J**	**0.51**	**0.74**	**0.31**	**0.14**	**<0.056J**	<0.013U	<0.013U	**<0.036J**	**0.77J**	**0.44**	<0.012U	**<0.033J**	**1.1**	**7.6 - 7.7**	<0.012U	**0.11**	**<0.013J**	<0.011U
Pyrene	mg/kg	100	**<0.04J**	**1**	**0.6**	**0.38**	**0.12**	**<0.019J**	**<0.02J**	<0.0082U	**<0.022J**	**0.14**	**0.089**	<0.0077U	**0.082**	**2**	**10 - 11**	<0.0075U	**0.19**	**<0.013J**	<0.007U
VOCs	**Units**	**SCOs**																			
1,1-dichloroethene	mg/kg	100	<0.0008U	<0.00071U	<0.001U	<0.00078U	<0.00088U	<0.0009U	<0.0008U	<0.00087U	<0.00068U	<0.0012U	<0.0018U	<0.00084U	<0.001U	<0.00093U	<0.0009U	<0.00074U	<0.0009U	<0.00089U	<0.00079U
Acetone	mg/kg	100	<0.0047U	<0.0042U	**<0.0069J**	<0.0046U	**0.024**	**0.021**	<0.0047U	**<0.0054J**	<0.004U	<0.0073U	<0.011U	<0.0049U	<0.0059U	<0.0055U	<0.0053U	<0.0043U	**<0.0061J**	<0.0052U	<0.0047U
cis-1,2-dichloroethene	mg/kg	100	**<0.0034J**	<0.00059U	<0.00085U	<0.00064U	<0.00073U	<0.00075U	<0.00066U	<0.00072U	<0.00057U	<0.001U	<0.0015U	<0.00069U	<0.00084U	<0.00077U	<0.00075U	<0.00061U	<0.00075U	<0.00074U	<0.00066U
Cyclohexane	mg/kg	NA	<0.00035U	<0.00031U	<0.00045U	<0.00034U	<0.00039U	**0.0089**	<0.00035U	<0.00038U	<0.0003U	<0.00054U	<0.00078U	<0.00037U	<0.00044U	<0.00041U	<0.00039U	<0.00032U	<0.00039U	<0.00039U	<0.00035U
Freon 113	mg/kg	NA	<0.001U	<0.0009U	<0.0013U	<0.00098U	<0.0011U,*	<0.0011U,*	<0.001U,*	<0.0011U,*	<0.00086U	<0.0016U	<0.0022U	<0.0011U	<0.0013U,*	<0.0012U	<0.0011U	<0.00093U	<0.0011U,*	<0.0011U,*	<0.00099U,*
Methyl acetate	mg/kg	NA	<0.00085U	<0.00076U	<0.0011U	<0.00082U	<0.00094U	<0.00096U	<0.00085U	<0.00092U	<0.00073U	<0.0013U	<0.0019U	<0.00089U	<0.0011U	<0.00099U	<0.00096U	<0.00078U	<0.00096U	<0.00095U	<0.00084U
Trichloroethene	mg/kg	21	**0.0057**	<0.00055U	**<0.0016J**	<0.0006U	<0.00068U	<0.0007U	<0.00062U	<0.00067U	**<0.00094J**	**<0.0034J**	**<0.0087J**	<0.00065U	<0.00078U	<0.00072U	<0.0007U	<0.00057U	<0.0007U	<0.00069U	<0.00061U

Notes:

J: estimated value

U: non-detect

E: result exceeded calibration range

mg/kg: milligrams per kilogram

- : not analyzed

PCBs: polychlorinated biphenyls

SVOCs: semi-volatile organic compounds

VOCs: volatile organic compounds

SCOs Restricted Residential Soil Cleanup Objectives presented in 6 New York State Department of Environmental Conservation Subpart 375

ND: none of the individual Arochlors were detected above the method detection limit

Detections are presented in bold.

Concentrations detected above the SCOs are presented in gray

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN SUBSURFACE BORINGS

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			**Main Parking Lot and Tennis Courts**																			
Sample Location			**SSHS-B72**	**SSHS-B72**	**SSHS-B72**	**SSHS-B72**	**SSHS-B73**	**SSHS-B73**	**SSHS-B73**	**SSHS-B73**	**SSHS-B74**	**SSHS-B74**	**SSHS-B74**	**SSHS-B74**	**SSHS-B75**	**SSHS-B75**	**SSHS-B75**	**SSHS-B75**	**SSHS-B76**	**SSHS-B76**	**SSHS-B76**	**SSHS-B76**
Depth Interval Sampled [ft]			**0.17-2**	**3-5**	**6-10**	**11.5-13.5**	**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-15**
Date Sampled			**8/15/2014**	**8/15/2014**	**8/15/2014**	**8/15/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**
Inorganics	**Units**	**SCOs**																				
Aluminum	mg/kg	NA	**8,900**	**5,700**	**5,900**	**6,200**	**6,800**	**7,500**	**6,200**	**7,600**	**9,500**	**7,600**	**6,800**	**6,400**	**6,900**	**8,800**	**6,300**	**4,200**	**8,700**	**6,300**	**4,400**	**6,000**
Antimony	mg/kg	NA	<0.22U	<0.21U	<0.25UJ	<0.21U	<0.2U	<0.22U	<0.22U	**<0.55J**	<0.22U	<0.2U	<0.22U	<0.22U	<0.22U	<0.24UJ	<0.23U	<0.19U	<0.23U	<0.21U	**<0.29J**	**<0.28J**
Arsenic	mg/kg	16	**7.9**	**5.8**	**7.9**	**6.4**	**8.1**	**7.9**	**5.9**	**8.6**	**7**	**7.5**	**7.4**	**7**	**9.1**	**9.4**	**6.8**	**4.2**	**7.7**	**6.7**	**3.2**	**5.7**
Barium	mg/kg	400	**94**	**37**	**37**	**45**	**60B**	**73B**	**54B**	**78B**	**110B**	**56B**	**53B**	**45B**	**92**	**50**	**42**	**33**	**58**	**33**	**28**	**47**
Beryllium	mg/kg	72	**<0.42J**	**<0.23J**	**<0.27J**	**<0.26J**	**<0.37J**	**<0.37J**	**<0.25J**	**<0.36J**	**<0.43J**	**<0.28J**	**<0.28J**	**<0.27J**	**<0.37J**	**<0.38J**	**<0.27J**	**<0.15J**	**<0.4J**	**<0.32J**	**<0.17J**	**<0.23J**
Cadmium	mg/kg	4.3	**<0.092J**	**<0.066J**	**<0.08J**	**<0.089J**	**<0.094J**	**<0.11J**	**<0.086J**	**<0.17J**	**<0.1J**	**<0.036J**	**<0.039J**	**<0.047J**	**<0.15J**	**<0.038J**	**<0.08J**	**<0.039J**	<0.016U	<0.015U	<0.015U	<0.014U
Calcium	mg/kg	NA	**5,000**	**45,000**	**39,000**	**29,000**	**5,400B**	**6,500B**	**31,000B**	**15,000B**	**8,000B**	**820B**	**800B**	**1,700B**	**22,000**	**6,500J**	**6,800**	**39,000**	**11,000**	**1,300**	**23,000**	**33,000**
Chromium (III+VI)	mg/kg	110	**12**	**8**	**8.4**	**8**	**10**	**14**	**8**	**12**	**12**	**8.7**	**9.6**	**14**	**9.6**	**9.7**	**8**	**7.1**	**11**	**8.3**	**5.5**	**6.8**
Cobalt	mg/kg	NA	**7.5**	**5.2**	**6.2**	**5.7**	**6.5**	**6.7**	**5.6**	**6.7**	**7.8**	**7.2**	**6.4**	**6**	**6.7**	**7.9**	**<5.3J**	**<3.9J**	**7**	**5.7**	**<4.1J**	**5.7**
Copper	mg/kg	270	**19**	**16**	**17**	**24**	**40**	**33**	**25**	**37**	**22**	**20**	**20**	**19**	**35**	**23J**	**18**	**21**	**20**	**17**	**16**	**18**
Cyanide Total	mg/kg	27	<0.15U	<0.15U	<0.19U	<0.15U	<0.16U	<0.17U	<0.15U	<0.16U	**<0.15J**	<0.16U	**<0.23J**	<0.16U	<0.16U	<0.17U	<0.16U	<0.15U	<0.16U	<0.17U	<0.15U	<0.16U
Iron	mg/kg	NA	**18,000**	**13,000**	**15,000**	**16,000**	**17,000B**	**18,000B**	**15,000B**	**18,000B**	**19,000B**	**19,000B**	**17,000B**	**17,000B**	**16,000**	**20,000**	**16,000**	**11,000**	**18,000**	**15,000**	**11,000**	**15,000**
Lead	mg/kg	400	**37**	**6.2**	**7.7**	**8.4**	**38**	**50**	**13**	**42**	**22**	**14**	**22**	**9.3**	**46**	**15**	**6.2**	**7**	**14**	**7.4**	**4.4**	**6.4**
Magnesium	mg/kg	NA	**3,200**	**9,500**	**11,000J**	**5,700**	**2,300B**	**2,700B**	**6,700B**	**3,800B**	**2,800B**	**2,400B**	**2,000B**	**2,400B**	**4,800**	**2,500**	**2,900**	**14,000**	**3,200**	**1,900**	**5,800**	**8,800**
Manganese	mg/kg	2000	**430**	**430**	**350J**	**290**	**300**	**360**	**390**	**430**	**580**	**510**	**640**	**500**	**540**	**610**	**440**	**300**	**390**	**320**	**350**	**480**
Mercury	mg/kg	0.81	**0.078**	<0.011U	<0.013U	<0.011U	**<0.031J**	**<0.033J**	<0.012U	**<0.033J**	**<0.033J**	**<0.014J**	**<0.022J**	**<0.017J**	**0.65**	**<0.031J**	<0.012U	<0.011U	**0.042**	**<0.017J**	<0.011U	<0.012U
Nickel	mg/kg	310	**18B**	**13B**	**15B**	**14B**	**28**	**28**	**15**	**24**	**20**	**16**	**14**	**14**	**18**	**17**	**13**	**9.4**	**17**	**13**	**9.3**	**14**
Potassium	mg/kg	NA	**730**	**730**	**840**	**760**	**560B**	**590B**	**620B**	**640B**	**600B**	**520B**	**560B**	**570B**	**610**	**620**	**630**	**510**	**650**	**580**	<530U	**520**
Selenium	mg/kg	180	<0.29U	**<0.6J**	<0.33U	<0.29U	**<0.63J**	**<0.78J**	**<0.37J**	<0.3U	**<0.47J**	**<0.33J**	**<0.38J**	<0.3U	**<0.68J**	<0.32U	**<0.33J**	<0.25U	<0.31U	<1U	<1.1U	<0.99U
Sodium	mg/kg	NA	**<76J**	**<67J**	**<72J**	**<58J**	**<140J,B**	**<140J,B**	**<140J,B**	**<180J,B**	**<64J,B**	**<43J,B**	**<48J,B**	**<62J,B**	**<58J**	**<40J**	**<49J**	**<65J**	**<48J**	**<30J**	**<42J**	**<60J**
Vanadium	mg/kg	NA	**13**	**10**	**11**	**12**	**11**	**13**	**10**	**13**	**14**	**11**	**10**	**9.9**	**15**	**14**	**11**	**7.7**	**15**	**11**	**7.4**	**9.8**
Zinc	mg/kg	10000	**69B**	**40B**	**50J**	**64B**	**60B**	**64B**	**59B**	**74B**	**57B**	**50B**	**48B**	**48B**	**79B**	**55B**	**54B**	**42B**	**56B**	**46B**	**36B**	**73B**
Organochlorine Pesticides	**Units**	**SCOs**																				
4,4-DDE	mg/kg	8.9	<0.00027U	<0.00026U	<0.0003U	<0.00027U	<0.00028U	**<0.0008J**	<0.00027U	<0.00028U	**<0.00032J,p**	<0.00026U	<0.00028U	<0.00028U	0.0032U	<0.00028U	<0.00027U	<0.00026U	<0.00028U	<0.00028U	<0.00027U	<0.00027U
Aldrin	mg/kg	0.097	<0.0018U	<0.00031U	<0.00036U	<0.00032U	<0.00033U	<0.00034U	<0.00032U	<0.00033U	<0.00033U	<0.00031U	<0.00033U	<0.00033U	<0.00033U	<0.00033U	<0.00032U	<0.00031U	0.0019U	<0.00034U	<0.00031U	<0.00032U
Aldrin + Dieldrin	mg/kg	NA	**<0.00076**	**<0.0006**	**<0.00069**	**<0.00061**	**<0.00064**	**<0.00066**	**<0.00062**	**<0.00064**	**<0.00097**	**<0.0006**	**<0.00064**	**<0.00064**	**<0.00064**	**<0.00064**	**<0.00062**	**<0.0006**	**0.002055**	**<0.00065**	**<0.0006**	**<0.00062**
b-BHC	mg/kg	0.36	<0.00046U	<0.00045U	<0.00052U	<0.00046U	<0.00048U	<0.00049U	<0.00047U	<0.00048U	<0.00048U	<0.00045U	<0.00048U	<0.00048U	<0.0019U	<0.00048U	<0.00047U	<0.00045U	<0.00048U	<0.00049U	<0.00046U	<0.00046U
Chlordane (cis)	mg/kg	4.2	0.0054U	<0.00034U	<0.0004U	<0.00035U	**<0.001J**	**<0.00087J**	<0.00036U	**<0.00051J,p**	<0.00036U	<0.00035U	<0.00037U	<0.00037U	0.0036U	<0.00037U	<0.00036U	<0.00035U	<0.00037U	<0.00037U	<0.00035U	<0.00036U
Chlordane (trans)	mg/kg	NA	**0.0058**	<0.00034U	<0.00039U	<0.00035U	**<0.0011J,p**	**<0.0012J**	**<0.00053J,p**	**<0.0013J,p**	**<0.00066J,p**	<0.00034U	<0.00036U	<0.00036U	0.04U	<0.0019U	<0.00036U	<0.00034U	0.0041U	<0.00037U	<0.00035U	<0.00035U
d-BHC	mg/kg	100	<0.0018U	<0.00026U	<0.00031U	<0.00027U	**<0.00046J,p**	**<0.0003J,p**	**<0.00032J,p**	**<0.00066J,p**	<0.00028U	<0.00027U	<0.00028U	<0.00028U	<0.00028U	<0.0019U	<0.00028U	<0.00027U	**<0.0013J**	<0.00029U	<0.00027U	<0.00027U
DDD	mg/kg	13	0.0019U	<0.00023U	<0.00026U	<0.00023U	**<0.00086J,p**	**<0.00045J**	<0.00024U	**<0.00082J,p**	**<0.00033J,p**	<0.00023U	<0.00024U	<0.00024U	0.0022U	<0.0019U	<0.00024U	<0.00023U	<0.0019U	<0.00025U	<0.00023U	<0.00023U
DDT	mg/kg	7.9	<0.0018U	<0.00026U	<0.0003U	<0.00026U	<0.00028U	<0.00028U	<0.00027U	**<0.0013J**	**<0.0009J,p**	<0.00026U	<0.00028U	<0.00028U	0.015U	<0.00028U	<0.00027U	<0.00026U	**0.0065**	<0.00028U	<0.00026U	<0.00027U
DDT+DDE+DDD	mg/kg	NA	**0.002685**	**<0.00075**	**<0.00086**	**<0.00076**	**<0.00142**	**<0.00153**	**<0.00078**	**<0.0024**	**<0.00155**	**<0.00075**	**<0.0008**	**<0.0008**	**0.0204**	**<0.00085**	**<0.00078**	**<0.00075**	**0.00685**	**<0.00081**	**<0.00076**	**<0.00077**
Dieldrin	mg/kg	0.2	<0.0018U	<0.00029U	<0.00033U	<0.00029U	<0.00031U	<0.00032U	<0.0003U	<0.00031U	**<0.00064J**	<0.00029U	<0.00031U	<0.00031U	<0.00031U	<0.00031U	<0.0003U	<0.00029U	<0.00031U	<0.00031U	<0.00029U	<0.0003U
Endosulfan I	mg/kg	24	<0.00033U	<0.00032U	<0.00038U	<0.00033U	<0.00035U	<0.00036U	<0.00034U	<0.00035U	<0.00035U	<0.00033U	<0.00035U	<0.00035U	**0.0046**	<0.00035U	<0.00034U	<0.00033U	**<0.00062J**	<0.00035U	<0.00033U	<0.00034U
Endosulfan II	mg/kg	24	<0.00031U	<0.0003U	<0.00035UJ	<0.00031U	<0.00033U	<0.00033U	<0.00032U	<0.00033U	<0.00032U	<0.00031U	<0.00032U	<0.00032U	<0.0019U	<0.00033U	<0.00032U	<0.00031U	<0.00033U	<0.00033U	<0.00031U	<0.00032U
Endosulfan sulphate	mg/kg	24	<0.00018U	<0.00018U	<0.00021U	<0.00018U	**<0.00023J,p**	<0.0002U	<0.00019U	**<0.00058J**	<0.00019U	<0.00018U	<0.00019U	<0.00019U	**0.0072**	<0.0019U	<0.00019U	<0.00018U	<0.0019U	<0.0002U	<0.00018U	<0.00019U
Endrin	mg/kg	11	0.002U	<0.00033U	<0.00039U	<0.00034U	**<0.00076J,p**	<0.00037U	**<0.00039J,p**	**<0.0011J,p**	**<0.00082J**	<0.00034U	<0.00036U	<0.00036U	0.021U	<0.0019U	<0.00035U	<0.00034U	0.0036U	<0.00037U	<0.00034U	<0.00035U
Endrin aldehyde	mg/kg	NA	<0.0018U	<0.00034U	<0.00039U	<0.00034U	<0.00036U	<0.00037U	<0.00035U	**<0.00092J,p**	<0.00036U	<0.00034U	<0.00036U	<0.00036U	<0.0019U	<0.00036U	<0.00035U	<0.00034U	<0.00036U	<0.00037U	<0.00034U	<0.00035U
Endrin ketone	mg/kg	NA	<0.00027U	<0.00027U	<0.00031U	<0.00027U	<0.00029U	<0.00029U	<0.00028U	<0.00029U	<0.00029U	<0.00027U	<0.00029U	<0.00029U	0.0071U	<0.00029U	<0.00028U	<0.00027U	<0.00029U	<0.00029U	<0.00027U	<0.00028U
g-BHC (Lindane)	mg/kg	1.3	**0.0065**	<0.0003U	<0.00035U	<0.00031U	**0.0024**	**<0.00061J**	**<0.00085J**	<0.00033U	<0.00032U	<0.00031U	<0.00032U	<0.00032U	<0.0019U	<0.00033U	<0.00032U	<0.00031U	<0.00033U	<0.00033U	<0.00031U	<0.00031U
Heptachlor	mg/kg	2.1	<0.0018U	<0.00038U	<0.00044U	<0.00039U	<0.00041U	<0.00042U	<0.0004U	<0.00041U	<0.00041U	<0.00039U	<0.00041U	<0.00041U	<0.00041U	<0.00041U	<0.0004U	<0.00039U	<0.00041U	<0.00042U	<0.00039U	<0.0004U
Heptachlor epoxide	mg/kg	NA	**0.0023**	<0.00034U	<0.00039U	<0.00034U	<0.00036U	<0.00037U	**<0.0004J,p**	**<0.00091J,p**	<0.00036U	<0.00034U	<0.00036U	<0.00036U	0.042U	<0.0019U	<0.00035U	<0.00034U	0.0055U	<0.00037U	<0.00034U	<0.00035U
Methoxychlor	mg/kg	NA	<0.0035U	<0.00036U	<0.00042U	<0.00037U	**<0.002J**	<0.0004U	<0.00037U	**<0.0011J,p**	**<0.0017J**	**<0.00078J**	<0.00038U	<0.00038U	0.021U	<0.00039U	<0.00038U	<0.00036U	<0.0037U	<0.00039U	<0.00037U	<0.00037U
PCBs	**Units**	**SCOs**																				
Arochlor 1248	mg/kg	NA	**0.07**	<0.0016U	<0.0019U	<0.0017U	**0.042**	<0.0018U	**0.046**	**0.077**	**0.033**	<0.0016U	<0.0017U	<0.0017U	**3.7**	**0.13**	<0.0017U	<0.0016U	**0.47**	<0.0018U	<0.0017U	<0.0017U
Arochlor 1254	mg/kg	NA	<0.0025U	<0.0025U	<0.0028U	<0.0025U	<0.0027U	<0.0027U	<0.0026U	<0.0026U	<0.0026U	<0.0025U	<0.0026U	<0.0026U	<0.0026U	<0.0026U	<0.0026U	<0.0025U	<0.0026U	<0.0027U	<0.0025U	<0.0025U
Arochlor 1260	mg/kg	NA	**<0.0075J**	<0.0025U	<0.0028U	<0.0025U	<0.0027U	<0.0027U	**<0.012J**	**0.024**	**<0.016J**	<0.0025U	<0.0026U	<0.0026U	**0.37**	**<0.017J**	<0.0026U	<0.0025U	**0.06**	<0.0027U	<0.0025U	<0.0025U
Arochlor 1262	mg/kg	NA	<0.0038U	<0.0038U	<0.0044U	<0.0039U	<0.0041U	<0.0042U	<0.0039U	<0.0041U	<0.004U	<0.0038U	<0.004U	<0.004U	<0.004U	<0.0041U	<0.004U	<0.0038U	<0.0041U	<0.0041U	<0.0038U	<0.0039U
PCBs Total	mg/kg	1	**0.07**	ND	ND	ND	**0.042**	ND	**0.046**	**0.101**	**0.033**	ND	ND	ND	**4.07**	**0.13**	ND	ND	**0.53**	ND	ND	ND
SVOCs	**Units**	**SCOs**																				
2-methylnaphthalene	mg/kg	NA	**0.076**	<0.0063U	<0.0073U	<0.0063U	**0.15**	**0.18**	**0.1**	**<0.32J**	**<0.0091J**	<0.0063U	<0.0066U	<0.0067U	**<0.17J**	**<0.013J**	<0.0066U	<0.0063U	**<0.0074J**	<0.0068U	<0.0063U	<0.0064U
Acenaphthene	mg/kg	100	**<0.037J**	<0.0067U	<0.0078U	<0.0067U	**0.84**	**0.55**	**0.36**	**1.2**	**<0.009J**	<0.0067U	<0.007U	<0.0071U	<0.071U	<0.0073U	<0.0071U	<0.0067U	<0.0072U	<0.0072U	<0.0067U	<0.0068U
Acenaphthylene	mg/kg	100	**0.45**	<0.008U	<0.0093U	<0.008U	<0.0085U	**<0.042J**	**<0.0095J**	<0.043U	<0.0084U	<0.008U	<0.0084U	<0.0085U	**<0.58J**	**<0.02J**	<0.0085U	<0.008U	<0.0085U	<0.0086U	<0.008U	<0.0082U
Anthracene	mg/kg	100	**1**	<0.0068U	<0.008U	<0.0069U	**2.2**	**0.71**	**0.54**	**3.2**	**<0.035J**	<0.0069U	<0.0072U	<0.0073U	**<0.26J**	**<0.012J**	<0.0072U	<0.0068U	**0.091**	<0.0074U	<0.0068U	<0.007U
Benz(a)anthracene	mg/kg	1	**2.8**	<0.0087U	<0.01U	<0.0088U	**3.4**	**1.4**	**0.93**	**4.2**	**0.16**	<0.0088U	<0.0092U	<0.0093U	**0.81**	**<0.036J**	<0.0093U	<0.0087U	**0.22**	<0.0095U	<0.0088U	<0.0089U
Benzo(a) pyrene	mg/kg	1	**2.4**	<0.007U	<0.0081U	<0.007U	**3**	**1.3**	**0.79**	**3.7**	**0.14**	<0.007U	<0.0073U	<0.0074U	**0.89**	**<0.034J**	<0.0074U	<0.007U	**0.17**	<0.0076U	<0.007U	<0.0071U
Benzo(b)fluoranthene	mg/kg	1	**3.1**	<0.011U	<0.013U	<0.011U	**3.1**	**1.4**	**0.86**	**3.9**	**0.22**	<0.011U	<0.012U	<0.012U	**1.1**	**<0.043J**	<0.012U	<0.011U	**0.21**	<0.012U	<0.011U	<0.011U
Benzo(g,h,i)perylene	mg/kg	100	**1.8**	<0.0069U	<0.0081U	<0.007U	**2**	**0.96**	**0.59**	**2.4**	**0.13**	<0.007U	<0.0073U	<0.0074U	**0.76**	<0.0075U	<0.0074U	<0.0069U	**0.11**	<0.0075U	<0.007U	<0.0071U
Benzo(k)fluoranthene	mg/kg	3.9	**1**	<0.014U	<0.016U	<0.014U	**1.2**	**0.59**	**0.34**	**1.5**	**0.075**	<0.014U	<0.015U	<0.015U	**<0.36J**	**<0.016J**	<0.015U	<0.014U	**0.081**	<0.015U	<0.014U	<0.014U
Bis(2-ethylhexyl) phthalate	mg/kg	NA	<0.057U	<0.056U	<0.066U	<0.057U	<0.06U	**<0.22J**	<0.059U	**<0.84J**	**<0.18J**	<0.057U	**6.5**	**1.6**	<0.6U	<0.061U	<0.06U	<0.056U	<0.06U	<0.061U	<0.056U	<0.058U
Butyl benzyl phthalate	mg/kg	NA	<0.048U	<0.048U	<0.056U	<0.048U	<0.051U	<0.052U	<0.05U	<0.26U	<0.05U	<0.048U	<0.05U	<0.051U	<0.5U	<0.052U	<0.05U	<0.048U	<0.051U	<0.052U	<0.048U	<0.049U
Carbazole	mg/kg	NA	**0.5**	<0.0064U	<0.0075U	<0.0065U	**0.53**	**0.56**	**0.19**	**0.94**	<0.0068U	<0.0065U	<0.0067U	<0.0068U	<0.068U	<0.007U	<0.0068U	<0.0064U	**<0.044J**	<0.007U	<0.0064U	<0.0066U
Chrysene	mg/kg	3.9	**2.1**	<0.0083U	<0.0097U	<0.0083U	**3**	**1.3**	**0.89**	**4**	**0.16**	<0.0083U	<0.0087U	<0.0088U	**0.88**	**<0.036J**	<0.0088U	<0.0083U	**0.18**	<0.009U	<0.0083U	<0.0085U
Dibenz(a,h)anthracene	mg/kg	0.33	**0.38**	<0.0077U	<0.0091U	<0.0078U	**0.49**	**0.18**	**0.17**	**0.68**	<0.0082U	<0.0078U	<0.0081U	<0.0082U	**<0.2J**	<0.0084U	<0.0082U	<0.0077U	<0.0083U	<0.0084U	<0.0078U	<0.0079U

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN SUBSURFACE BORINGS

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			**Main Parking Lot and Tennis Courts**																			
Sample Location			**SSHS-B72**	**SSHS-B72**	**SSHS-B72**	**SSHS-B72**	**SSHS-B73**	**SSHS-B73**	**SSHS-B73**	**SSHS-B73**	**SSHS-B74**	**SSHS-B74**	**SSHS-B74**	**SSHS-B74**	**SSHS-B75**	**SSHS-B75**	**SSHS-B75**	**SSHS-B75**	**SSHS-B76**	**SSHS-B76**	**SSHS-B76**	**SSHS-B76**
Depth Interval Sampled [ft]			**0.17-2**	**3-5**	**6-10**	**11.5-13.5**	**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-15**
Date Sampled			**8/15/2014**	**8/15/2014**	**8/15/2014**	**8/15/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**
Dibenzofuran	mg/kg	59	**<0.18J**	<0.034U	<0.04U	<0.034U	**0.45**	**0.55**	**<0.2J**	**<0.88J**	<0.036U	<0.034U	<0.036U	<0.036U	<0.36U	<0.037U	<0.036U	<0.034U	<0.037U	<0.037U	<0.034U	<0.035U
Di-n-octyl phthalate	mg/kg	NA	<0.037U	<0.037U	<0.043U	<0.037U	<0.039U	<0.04U	<0.038U	<0.2U	<0.039U	<0.037U	**0.39**	<0.039U	<0.39U	<0.04U	<0.039U	<0.037U	<0.039U	<0.04U	<0.037U	<0.038U
Fluoranthene	mg/kg	100	**5.4**	<0.0074U	<0.0087U	<0.0075U	**7.2**	**3.5**	**1.7**	**10**	**0.33**	<0.0075U	<0.0078U	<0.0079U	**1**	**<0.051J**	<0.0079U	<0.0074U	**0.51**	<0.0081U	<0.0075U	<0.0076U
Fluorene	mg/kg	100	**0.21**	<0.0092U	<0.011U	<0.0092U	**0.8**	**0.4**	**0.3**	**1.3**	<0.0097U	<0.0092U	<0.0096U	<0.0098U	<0.097U	<0.0099U	<0.0097U	<0.0092U	**<0.019J**	<0.0099U	<0.0092U	<0.0094U
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	**1.7**	<0.0072U	<0.0084U	<0.0072U	**1.7**	**0.79**	**0.49**	**2.2**	**0.11**	<0.0072U	<0.0075U	<0.0076U	**<0.6J**	**<0.026J**	<0.0076U	<0.0072U	**0.11**	<0.0078U	<0.0072U	<0.0073U
Naphthalene	mg/kg	100	**0.29**	<0.006U	<0.007U	<0.006U	**0.16**	**0.62**	**0.2**	**0.6**	<0.0063U	<0.006U	<0.0063U	<0.0064U	**<0.26J**	<0.0065U	<0.0064U	<0.006U	**<0.032J**	<0.0065U	<0.006U	<0.0061U
N-nitrosodi-n-propylamine	mg/kg	NA	<0.0083U	<0.0082U	<0.0096U	<0.0082U	<0.0088U	<0.0089U	<0.0085U	<0.044U	<0.0086U	<0.0082U	<0.0086U	<0.0087U	<0.086U	<0.0089U	<0.0087U	<0.0082U	<0.0087U	<0.0089U	<0.0082U	<0.0084U
Phenanthrene	mg/kg	100	**3.9**	<0.011U	<0.013U	<0.011U	**8.9**	**2.5**	**2.3**	**12**	**0.15**	<0.011U	<0.012U	<0.012U	**<0.52J**	**<0.034J**	<0.012U	<0.011U	**0.45**	<0.012U	<0.011U	<0.011U
Pyrene	mg/kg	100	**4.2**	<0.007U	<0.0082U	<0.0071U	**9**	**2.6**	**2.4**	**11**	**0.31**	<0.0071U	<0.0074U	<0.0075U	**1**	**<0.045J**	<0.0075U	<0.007U	**0.42**	<0.0076U	<0.0071U	<0.0072U
VOCs	**Units**	**SCOs**																				
1,1-dichloroethene	mg/kg	100	<0.00077U	<0.0007U	<0.00079U	<0.00071U	<0.00086U	<0.0012U	<0.00084U	<0.00073U	<0.00096U	<0.00094U	<0.00073U	<0.00094U	<0.00093U	<0.00088U	<0.00092U	<0.00084U	<0.0008U	<0.00085U	<0.00087U	<0.00084U
Acetone	mg/kg	100	<0.0046U	<0.0041U	<0.0046U	<0.0042U	<0.0051U	<0.0073U	<0.0049U	<0.0043U	<0.0057U	<0.0055U	<0.0043U	<0.0055U	<0.0055U	<0.0052U	<0.0054U	<0.0049U	<0.0047U	<0.005U	<0.0051U	<0.005U
cis-1,2-dichloroethene	mg/kg	100	<0.00064U	<0.00058U	<0.00065U	<0.00059U	<0.00071U	<0.001U	<0.00069U	<0.0006U	<0.0008U	<0.00078U	<0.00061U	<0.00078U	<0.00077U	<0.00073U	<0.00076U	<0.00069U	<0.00066U	<0.00071U	<0.00072U	<0.0007U
Cyclohexane	mg/kg	NA	<0.00034U	<0.0003U	<0.00034U	<0.00031U	<0.00038U	<0.00054U	<0.00037U	<0.00032U	<0.00042U	<0.00041U	<0.00032U	<0.00041U	<0.00041U	<0.00038U	<0.0004U	<0.00037U	<0.00035U	<0.00037U	<0.00038U	<0.00037U
Freon 113	mg/kg	NA	<0.00097U,*	<0.00088U,*	<0.00099U	<0.00089U,*	<0.0011U	<0.0016U	<0.0011U	<0.00092U	<0.0012U	<0.0012U	<0.00092U	<0.0012U	<0.0012U	<0.0011U	<0.0012U	<0.0011U	<0.001U	<0.0011U	<0.0011U	<0.0011U
Methyl acetate	mg/kg	NA	<0.00082U	<0.00074U	<0.00084U	<0.00075U	<0.00091U	<0.0013U	<0.00089U	<0.00078U	<0.001U	<0.001U	<0.00078U	<0.001U	<0.00099U	<0.00093U	<0.00098U	<0.00089U	<0.00085U	<0.00091U	<0.00093U	<0.0009U
Trichloroethene	mg/kg	21	<0.0006U	<0.00054U	<0.00061U	<0.00055U	**<0.0028J**	<0.00097U	<0.00065U	**<0.00075J**	<0.00075U	<0.00073U	<0.00057U	<0.00073U	<0.00072U	<0.00068U	<0.00071U	<0.00065U	<0.00062U	<0.00066U	<0.00068U	<0.00065U

Notes:

J: estimated value

U: non-detect

E: result exceeded calibration range

mg/kg: milligrams per kilogram

- : not analyzed

PCBs: polychlorinated biphenyls

SVOCs: semi-volatile organic compounds

VOCs: volatile organic compounds

SCOs Restricted Residential Soil Cleanup Objectives presented in 6 New York State Department of Environmental Conservation Subpart 375

ND: none of the individual Arochlors were detected above the method detection limit

Detections are presented in bold.

Concentrations detected above the SCOs are presented in gray

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN SUBSURFACE BORINGS

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			Main Parking Lot and Tennis Courts																			
Sample Location			**SSHS-B77**	**SSHS-B77**	**SSHS-B77**	**SSHS-B77**	**SSHS-B78**	**SSHS-B78**	**SSHS-B78**	**SSHS-B78**	**SSHS-B79**	**SSHS-B79**	**SSHS-B79**	**SSHS-B79**	**SSHS-B80**	**SSHS-B80**	**SSHS-B80**	**SSHS-B80**	**SSHS-B81**	**SSHS-B81**	**SSHS-B81**	**SSHS-B81**
Depth Interval Sampled [ft]			**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-14.5**	**0.17-2**	**2-6**	**6-10**	**10-13.5**
Date Sampled			**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**
Inorganics	**Units**	**SCOs**																				
Aluminum	mg/kg	NA	**5,500**	**5,700**	**4,200**	**4,300**	**8,200**	**7,900**	**9,400**	**4,900**	**7,100**	**6,400**	**5,200**	**4,800**	**7,000**	**5,700**	**5,200**	**4,300**	**7,900**	**7,600**	**5,800**	**5,700**
Antimony	mg/kg	NA	**<0.21J**	<0.2U	<0.22U	<0.38U	**<0.23J**	**2.6**	**<0.67J**	**<0.39J**	**<0.51J**	**<0.73J**	**<0.28J**	**<0.29J**	<0.2U	<0.19U	**<0.36J**	**<0.37J**	**<0.29J**	**<0.27J**	<0.24U	<0.22U
Arsenic	mg/kg	16	**4.1**	**6.1**	**4.9**	**4.6**	**7.6**	**7.6**	**4**	**4.7**	**8.6**	**8.3**	**6.4**	**4.5**	**6.9**	**5.6**	**4.1**	**4.3**	**8.3**	**6.8**	**3.8**	**5.8**
Barium	mg/kg	400	**35**	**34**	**30**	**31**	**78**	**60**	**56**	**36**	**90**	**36**	**33**	**24**	**52**	**48**	**30**	**30**	**94**	**72**	**27**	**37**
Beryllium	mg/kg	72	**<0.22J**	**<0.26J**	**<0.18J**	**<0.17J**	**<0.37J**	**<0.38J**	**<0.32J**	**<0.24J**	**<0.41J**	**<0.32J**	**<0.23J**	**<0.2J**	**<0.32J**	**<0.25J**	**<0.22J**	**<0.18J**	**0.42**	**<0.34J**	**<0.3J**	**<0.28J**
Cadmium	mg/kg	4.3	<0.014U	<0.51U	**<0.047J**	**<0.03J**	<0.53U	<0.53U	<0.52U	<0.47U	<0.57U	<0.015U	<0.016U	<0.53U	<0.014U	<0.014U	<0.52U	<0.5U	<0.51U	<0.015U	<0.017U	<0.54U
Calcium	mg/kg	NA	**33,000**	**4,000**	**31,000**	**54,000**	**14,000**	**5,900**	**73,000**	**71,000**	**20,000**	**1,500J**	**740**	**16,000**	**4,000**	**7,900**	**38,000**	**47,000**	**13,000**	**5,500**	**880**	**1,200**
Chromium (III+VI)	mg/kg	110	**7.1**	**8.3**	**5.7**	**5.8**	**9.8**	**9.8**	**8.8**	**5.5**	**9.6**	**9.6**	**7.4**	**5.7**	**9**	**7.3**	**7.5**	**8.3**	**16**	**9.7**	**7.6**	**8.1**
Cobalt	mg/kg	NA	**<4.7J**	**5.5**	**<4J**	**<4J**	**5.9**	**5.7**	**5.4**	**<3.8J**	**6**	**5.2**	**<4.7J**	**<4.2J**	**5.8**	**5.3**	**<4.6J**	**<4.2J**	**6.9**	**<5.3J**	**<5.4J**	**6.7**
Copper	mg/kg	270	**20**	**17**	**14**	**13**	**37**	**45**	**20**	**16**	**35**	**18**	**16**	**13**	**21**	**21**	**14**	**12**	**51**	**39**	**16**	**19**
Cyanide Total	mg/kg	27	<0.16U	<0.17U	<0.16U	<0.16U	**<0.35J**	**0.8**	<0.16U	<0.15U	**3.5B**	<0.15U	<0.16U	<0.16U	<0.16U	<0.16U	<0.15U	<0.16U	<0.55U	**<0.36J+**	<0.17U	<0.16U
Iron	mg/kg	NA	**13,000**	**15,000**	**11,000**	**11,000**	**18,000B**	**18,000B**	**13,000B**	**9,700B**	**18,000B**	**23,000B**	**13,000B**	**11,000B**	**16,000B**	**14,000B**	**12,000B**	**11,000B**	**19,000**	**17,000**	**15,000**	**15,000**
Lead	mg/kg	400	**6.7**	**6.9**	**4.9**	**16**	**33**	**93J**	**8.2**	**4.2**	**32**	**22J**	**5.9**	**4.8**	**10**	**6.1**	**6.3**	**6.8**	**41**	**16**	**6.3**	**8.7**
Magnesium	mg/kg	NA	**3,200**	**2,700**	**4,700**	**20,000**	**3,200**	**2,000**	**8,500**	**8,500**	**2,900**	**1,700**	**1,900**	**2,800**	**2,300**	**5,300**	**5,000**	**9,500**	**3,500**	**1,700**	**1,700**	**1,900**
Manganese	mg/kg	2000	**420**	**450**	**300**	**330**	**410**	**510**	**450**	**360**	**350**	**380**	**320**	**310**	**360**	**590**	**330**	**330**	**490**	**340**	**290**	**710**
Mercury	mg/kg	0.81	**<0.015J**	<0.012U	<0.011U	<0.011U	**0.2**	**0.058**	**<0.012J**	<0.011U	**0.044**	**<0.029J**	<0.012U	<0.011U	**<0.031J**	<0.012U	<0.011U	<0.012U	**0.051**	**<0.018J**	<0.012U	<0.012U
Nickel	mg/kg	310	**11**	**13**	**9.8**	**9.7**	**16**	**14**	**12**	**9.3**	**15**	**11**	**11**	**10**	**14**	**12**	**11**	**9.9**	**22**	**14**	**12**	**14**
Potassium	mg/kg	NA	<500U	**550**	<540U	**510**	**700B**	**680B**	**660B**	**520B**	**690B**	**720B**	**570B**	**550B**	**570B**	**550B**	**550B**	**590B**	**650**	**650**	**610**	<540U
Selenium	mg/kg	180	<1U	<1U	<0.29U	<0.26U	**<0.57J**	**<0.73J**	**<0.36J**	**<0.48J**	**<0.54J**	**<0.42J**	**<0.47J**	**<0.6J**	<0.27U	**<0.37J**	**<0.66J**	**<0.35J**	<1U	<1.1U	<1.2U	<0.29U
Sodium	mg/kg	NA	**<41J**	**<33J**	**<48J**	**<64J**	**<190J**	**<120J**	**<130J**	**<180J**	**<160J**	**<71J**	**<47J**	**<62J**	**<200J**	**<160J**	**<93J**	**<110J**	**<210J**	**<210J**	**<94J**	**<90J**
Vanadium	mg/kg	NA	**9.5**	**11**	**7.8**	**7.1**	**14**	**15**	**11**	**7.5**	**15**	**15**	**9.6**	**7.8**	**13**	**10**	**8.7**	**8.4**	**15**	**13**	**11**	**10**
Zinc	mg/kg	10000	**47B**	**48B**	**43B**	**36B**	**72B**	**100B**	**41B**	**36B**	**76B**	**46B**	**57B**	**49B**	**49B**	**50B**	**44B**	**38B**	**79B**	**55B**	**42B**	**77B**
Organochlorine Pesticides	**Units**	**SCOs**																				
4,4-DDE	mg/kg	8.9	0.0035U	<0.00028U	<0.00027U	<0.00026U	<0.0019U	<0.00028U	<0.00028U	<0.00026U	<0.00028U	<0.00027U	<0.00028U	<0.00027U	<0.00027U	<0.00028U	<0.00027U	<0.00027U	<0.00028U	<0.00028U	<0.00029U	<0.00028U
Aldrin	mg/kg	0.097	<0.00031U	<0.00033U	<0.00031U	<0.00031U	<0.00034U	<0.00033U	<0.00033U	<0.00031U	<0.00034U	<0.00032U	<0.00033U	<0.00032U	<0.00032U	<0.00033U	<0.00032U	<0.00032U	<0.00033U	<0.00033U	<0.00034U	<0.00033U
Aldrin + Dieldrin	mg/kg	NA	**<0.0006**	**<0.00063**	**<0.0006**	**<0.0006**	**<0.00111**	**<0.00064**	**<0.00063**	**<0.0006**	**<0.00131**	**<0.00062**	**<0.00064**	**<0.00062**	**<0.00062**	**<0.00064**	**<0.00062**	**<0.00062**	**<0.00064**	**<0.00064**	**<0.00066**	**<0.00064**
b-BHC	mg/kg	0.36	<0.00045U	<0.00047U	<0.00046U	<0.00045U	<0.00049U	<0.00048U	<0.00047U	<0.00045U	<0.00049U	<0.00047U	<0.00048U	<0.00046U	<0.00047U	<0.00048U	<0.00046U	<0.00047U	<0.00048U	<0.00048U	<0.0005U	<0.00048U
Chlordane (cis)	mg/kg	4.2	**<0.0015J**	<0.00036U	<0.00035U	<0.00035U	<0.0019U	<0.00036U	<0.00036U	<0.00035U	**<0.00074J**	<0.00036UJ	<0.00037U	<0.00035U	<0.00036U	<0.00037U	<0.00035U	<0.00036U	<0.00037U	<0.00037U	<0.00038U	<0.00037U
Chlordane (trans)	mg/kg	NA	<0.0018U	<0.00036U	<0.00035U	<0.00034U	0.01U	<0.00036U	<0.00036U	<0.00034U	<0.0019U	<0.00036U	<0.00036U	<0.00035U	<0.00035U	<0.00036U	<0.00035U	<0.00035U	<0.00036U	<0.00036U	<0.00038U	<0.00037U
d-BHC	mg/kg	100	**<0.0012J**	<0.00028U	<0.00027U	<0.00027U	<0.00029U	<0.00028U	<0.00028U	<0.00027U	<0.0019U	<0.00028U	<0.00028U	<0.00027U	<0.00028U	<0.00028U	<0.00027U	<0.00027U	<0.00028U	<0.00028U	<0.00029U	<0.00029U
DDD	mg/kg	13	0.006U	<0.00024U	<0.00023U	<0.00023U	0.0028U	**<0.0012J**	<0.00024U	<0.00023U	0.0049U	<0.00024U	<0.00024U	<0.00023U	**<0.0003J**	<0.00024U	<0.00023U	<0.00023U	<0.00024U	**<0.00025J**	<0.00025U	<0.00024U
DDT	mg/kg	7.9	<0.0018U	<0.00027U	<0.00026U	<0.00026U	0.0024U	<0.00027U	<0.00027U	<0.00026U	**0.0021**	<0.00027U	<0.00028U	<0.00027U	<0.00027U	<0.00028U	<0.00026U	<0.00027U	<0.00028U	<0.00028U	<0.00029U	<0.00028U
DDT+DDE+DDD	mg/kg	NA	**0.01035**	**<0.00079**	**<0.00076**	**<0.00075**	**0.00545**	**<0.00175**	**<0.00079**	**<0.00075**	**0.00714**	**<0.00078**	**<0.0008**	**<0.00077**	**<0.00084**	**<0.0008**	**<0.00076**	**<0.00077**	**<0.0008**	**<0.00081**	**<0.00083**	**<0.0008**
Dieldrin	mg/kg	0.2	<0.00029U	<0.0003U	<0.00029U	<0.00029U	<0.0019U	<0.00031U	<0.0003U	<0.00029U	<0.0019U	<0.0003U	<0.00031U	<0.0003U	<0.0003U	<0.00031U	<0.0003U	<0.0003U	<0.00031U	<0.00031U	<0.00032U	<0.00031U
Endosulfan I	mg/kg	24	<0.00032U	<0.00034U	<0.00033U	<0.00033U	**<0.00075J**	<0.00034U	<0.00034U	<0.00033U	<0.00035U	<0.00034U	<0.00035U	<0.00033U	<0.00034U	<0.00035U	<0.00033U	<0.00034U	<0.00035U	<0.00035U	<0.00036U	<0.00035U
Endosulfan II	mg/kg	24	<0.0018U	<0.00032U	<0.00031U	<0.00031U	<0.00033U	<0.00032U	<0.00032U	<0.00031U	<0.00033U	<0.00032U	<0.00033U	<0.00031U	<0.00032U	<0.00033U	<0.00031U	<0.00032U	<0.00033U	<0.00033U	<0.00034U	<0.00033U
Endosulfan sulphate	mg/kg	24	<0.00018U	<0.00019U	<0.00018U	<0.00018U	0.004U	**<0.00052J**	<0.00019U	<0.00018U	<0.0002U	<0.00019U	<0.00019U	<0.00019U	<0.00019U	<0.00019U	<0.00018U	**<0.00034J**	<0.00019U	<0.00019U	<0.0002U	<0.00019U
Endrin	mg/kg	11	**0.0038**	<0.00035U	<0.00034U	<0.00034U	0.011U	**<0.00055J**	<0.00035U	<0.00034U	**0.0041**	<0.00035U	<0.00036U	<0.00035U	<0.00035U	<0.00036U	<0.00034U	<0.00035U	<0.00036U	<0.00036U	<0.00037U	<0.00036U
Endrin aldehyde	mg/kg	NA	<0.00033U	<0.00035U	<0.00034U	<0.00034U	<0.0019U	<0.00036U	<0.00035U	<0.00034U	**<0.0018J**	<0.00035UJ	<0.00036U	<0.00035U	<0.00035U	<0.00036U	<0.00034U	**<0.00041J**	<0.00036U	<0.00036U	<0.00037U	<0.00036U
Endrin ketone	mg/kg	NA	<0.00027U	<0.00028U	<0.00027U	<0.00027U	0.002U	<0.00029U	<0.00028U	<0.00027U	<0.00029U	<0.00028U	<0.00029U	<0.00028U	<0.00028U	<0.00029U	<0.00028U	<0.00028U	<0.00029U	<0.00029U	<0.0003U	<0.00029U
g-BHC (Lindane)	mg/kg	1.3	**0.012**	<0.00032U	<0.00031U	<0.00031U	<0.00033U	<0.00032U	<0.00032U	<0.00031U	<0.00033U	<0.00032U	<0.00032U	<0.00031U	<0.00032U	<0.00032U	<0.00031U	<0.00032U	<0.00032U	<0.00032U	<0.00034U	<0.00033U
Heptachlor	mg/kg	2.1	<0.0018U	<0.00041U	**<0.00062J**	<0.00039U	<0.0019U	<0.00041U	<0.00041U	<0.00039U	<0.00042U	<0.0004U	<0.00041U	<0.0004U	<0.0004U	<0.00041U	<0.00039U	<0.0004U	<0.00041U	<0.00041U	<0.00042U	<0.00041U
Heptachlor epoxide	mg/kg	NA	<0.0018U	<0.00036U	<0.00034U	<0.00034U	0.0066U	<0.00036U	<0.00036U	<0.00034U	<0.00037U	<0.00035U	<0.00036U	<0.00035U	<0.00035U	<0.00036U	<0.00035U	<0.00035U	<0.00036U	<0.00036U	<0.00037U	<0.00036U
Methoxychlor	mg/kg	NA	<0.0034U	<0.00038U	<0.00037U	<0.00036U	**0.015**	<0.00038U	<0.00038U	<0.00036U	<0.0037U	<0.00038U	<0.00038U	**<0.00052J**	**<0.00084J**	<0.00038U	<0.00037U	**<0.0026J**	<0.00039U	<0.00039U	<0.0004U	<0.00039U
PCBs	**Units**	**SCOs**																				
Arochlor 1248	mg/kg	NA	**0.089**	<0.0017U	<0.0017U	<0.0017U	**0.63**	<0.0017U	<0.0017U	<0.0017U	<0.0018U	<0.0017U	<0.0017U	<0.0017U	<0.0017U	<0.0017U	<0.0017U	<0.0017U	<0.0017U	<0.0017U	<0.0018U	<0.0018U
Arochlor 1254	mg/kg	NA	<0.0024U	<0.0026U	<0.0025U	<0.0025U	<0.0027U	<0.0026U	<0.0026U	<0.0025U	<0.0027U	<0.0026U	<0.0026U	<0.0025U	<0.0026U	<0.0026U	<0.0025U	<0.0026U	<0.0026U	<0.0026U	<0.0027U	<0.0027U
Arochlor 1260	mg/kg	NA	**0.073**	<0.0026U	<0.0025U	<0.0025U	**0.13**	<0.0026U	<0.0026U	<0.0025U	<0.0027U	<0.0026U	<0.0026U	<0.0025U	<0.0026U	<0.0026U	<0.0025U	<0.0025U	<0.0026U	<0.0026U	<0.0027U	<0.0027U
Arochlor 1262	mg/kg	NA	<0.0038U	<0.004U	<0.0038U	<0.0038U	<0.0041U	<0.004U	<0.004U	<0.0038U	<0.0041U	<0.004U	<0.004U	<0.0039U	<0.0039U	<0.004U	<0.0039U	<0.0039U	<0.004U	<0.004U	<0.0042U	<0.0041U
PCBs Total	mg/kg	1	**0.162**	ND	ND	ND	**0.76**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs	**Units**	**SCOs**																				
2-methylnaphthalene	mg/kg	NA	<0.0063U	<0.0065U	<0.0064U	<0.0063U	**0.15**	**<0.058J**	<0.0066U	<0.0063U	**0.83**	**<0.011J**	<0.0066U	<0.0064U	**<0.03J**	<0.0066U	<0.0063U	<0.0065U	**0.33**	<0.0067U	<0.0068U	<0.0067U
Acenaphthene	mg/kg	100	<0.0068U	<0.0069U	<0.0068U	<0.0067U	**<0.043J**	**<0.013J**	<0.007U	<0.0067U	**<0.041J**	<0.007U	<0.007U	<0.0068U	**<0.0071J**	<0.0071U	<0.0068U	<0.0069U	**<0.07J**	<0.0071U	<0.0073U	<0.0072U
Acenaphthylene	mg/kg	100	<0.008U	<0.0083U	<0.0082U	<0.008U	**0.37**	**0.17**	<0.0084U	<0.008U	**0.66**	<0.0083U	<0.0084U	<0.0082U	**0.11**	<0.0084U	<0.0081U	<0.0082U	**0.62**	<0.0085U	<0.0087U	<0.0086U
Anthracene	mg/kg	100	<0.0069U	<0.0071U	<0.007U	<0.0068U	**0.39**	**0.26**	<0.0071U	<0.0068U	**0.47**	<0.0071U	<0.0072U	<0.007U	**0.17**	<0.0072U	<0.0069U	<0.007U	**0.79**	<0.0072U	<0.0074U	<0.0073U
Benz(a)anthracene	mg/kg	1	<0.0088U	<0.009U	<0.0089U	<0.0088U	**1.2**	**0.7**	<0.0091U	<0.0088U	**1.6**	<0.0091U	<0.0092U	<0.0089U	**0.86**	<0.0092U	<0.0088U	<0.009U	**1.4**	<0.0093U	<0.0095U	<0.0094U
Benzo(a) pyrene	mg/kg	1	<0.007U	<0.0072U	<0.0071U	<0.007U	**1.1**	**0.75**	<0.0073U	<0.007U	**1.8**	<0.0072U	<0.0073U	<0.0071U	**0.88**	<0.0074U	<0.007U	<0.0072U	**1.9**	<0.0074U	<0.0076U	<0.0075U
Benzo(b)fluoranthene	mg/kg	1	<0.011U	<0.011U	<0.011U	<0.011U	**1.3**	**0.82**	<0.011U	<0.011U	**2.2**	<0.011U	<0.012U	<0.011U	**0.98**	<0.012U	<0.011U	<0.011U	**2.3**	<0.012U	<0.012U	<0.012U
Benzo(g,h,i)perylene	mg/kg	100	<0.007U	<0.0072U	<0.0071U	<0.007U	**1.2**	**0.79**	<0.0073U	<0.007U	**2.7**	<0.0072U	<0.0073U	<0.0071U	**0.79**	<0.0073U	<0.007U	<0.0071U	**2.1**	<0.0074U	<0.0076U	<0.0074U
Benzo(k)fluoranthene	mg/kg	3.9	<0.014U	<0.015U	<0.014U	<0.014U	**0.54**	**0.34**	<0.015U	<0.014U	**0.76**	<0.015U	<0.015U	<0.014U	**0.44**	<0.015U	<0.014U	<0.015U	**0.83**	<0.015U	<0.015U	<0.015U
Bis(2-ethylhexyl) phthalate	mg/kg	NA	<0.057U	<0.058U	<0.058U	<0.056U	<0.061U	<0.059U	<0.059U	<0.056U	<0.061U	<0.058U	<0.059U	<0.058U	<0.059U	<0.06U	<0.057U	<0.058U	<0.06U	<0.06U	<0.061U	<0.06U
Butyl benzyl phthalate	mg/kg	NA	<0.048U	<0.049U	<0.049U	<0.048U	<0.051U	<0.05U	<0.05U	<0.048U	<0.051U	<0.049U	<0.05U	<0.049U	<0.049U	<0.05U	<0.048U	<0.049U	<0.051U	<0.051U	<0.052U	<0.051U
Carbazole	mg/kg	NA	<0.0065U	<0.0066U	<0.0066U	<0.0064U	**0.086**	**<0.061J**	<0.0067U	<0.0064U	**0.16**	<0.0067U	<0.0067U	<0.0066U	**0.1**	<0.0068U	<0.0065U	<0.0066U	**0.14**	<0.0068U	<0.007U	<0.0069U
Chrysene	mg/kg	3.9	<0.0084U	<0.0086U	<0.0085U	<0.0083U	**1.2**	**0.68**	<0.0087U	<0.0083U	**1.5**	<0.0086U	<0.0087U	<0.0085U	**0.73**	<0.0088U	<0.0084U	<0.0085U	**1.7**	<0.0088U	<0.009U	<0.0089U
Dibenz(a,h)anthracene	mg/kg	0.33	<0.0078U	<0.008U	<0.0079U	<0.0078U	**0.23**	**0.17**	<0.0081U	<0.0078U	**0.46**	<0.0081U	<0.0081U	<0.0079U	**0.16**	<0.0082U	<0.0078U	<0.008U	**0.45**	<0.0082U	<0.0084U	<0.0083U

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN SUBSURFACE BORINGS

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			**Main Parking Lot and Tennis Courts**																			
Sample Location			**SSHS-B77**	**SSHS-B77**	**SSHS-B77**	**SSHS-B77**	**SSHS-B78**	**SSHS-B78**	**SSHS-B78**	**SSHS-B78**	**SSHS-B79**	**SSHS-B79**	**SSHS-B79**	**SSHS-B79**	**SSHS-B80**	**SSHS-B80**	**SSHS-B80**	**SSHS-B80**	**SSHS-B81**	**SSHS-B81**	**SSHS-B81**	**SSHS-B81**
Depth Interval Sampled [ft]			**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-14.5**	**0.17-2**	**2-6**	**6-10**	**10-13.5**
Date Sampled			**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**
Dibenzofuran	mg/kg	59	<0.035U	<0.035U	<0.035U	<0.034U	**<0.12J**	**<0.057J**	<0.036U	<0.034U	**0.49**	<0.036U	<0.036U	<0.035U	<0.036U	<0.036U	<0.035U	<0.035U	**0.65**	<0.036U	<0.037U	<0.037U
Di-n-octyl phthalate	mg/kg	NA	<0.037U	<0.038U	<0.038U	<0.037U	<0.04U	<0.039U	<0.038U	<0.037U	<0.04U	<0.038U	<0.039U	<0.038U	<0.038U	<0.039U	<0.037U	<0.038U	<0.039U	<0.039U	<0.04U	<0.039U
Fluoranthene	mg/kg	100	<0.0075U	<0.0077U	<0.0076U	<0.0075U	**1.9**	**1.2**	<0.0078U	<0.0075U	**2.5**	**<0.021J**	<0.0078U	<0.0076U	**1.3**	<0.0079U	<0.0075U	<0.0077U	**4**	<0.0079U	<0.0081U	<0.008U
Fluorene	mg/kg	100	<0.0093U	<0.0095U	<0.0094U	<0.0092U	**<0.072J**	**<0.035J**	<0.0096U	<0.0092U	**<0.069J**	<0.0095U	<0.0097U	<0.0094U	**<0.025J**	<0.0097U	<0.0093U	<0.0095U	**0.61**	<0.0098U	<0.01U	<0.0098U
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	<0.0072U	<0.0074U	<0.0073U	<0.0072U	**0.97**	**0.63**	<0.0075U	<0.0072U	2.1	<0.0075U	<0.0075U	<0.0073U	**0.71**	<0.0076U	<0.0073U	<0.0074U	**1.8**	<0.0076U	<0.0078U	<0.0077U
Naphthalene	mg/kg	100	<0.0061U	<0.0062U	<0.0061U	<0.006U	**0.45**	**0.23**	<0.0063U	<0.006U	**4.6**	**<0.027J**	<0.0063U	<0.0061U	**0.11**	<0.0064U	<0.0061U	<0.0062U	**0.9**	<0.0064U	<0.0065U	<0.0064U
N-nitrosodi-n-propylamine	mg/kg	NA	<0.0082U	<0.0085U	<0.0084U	<0.0082U	<0.0088U	<0.0086U	<0.0086U	<0.0082U	<0.0088U	<0.0085U	<0.0086U	<0.0084U	<0.0085U	<0.0086U	<0.0083U	<0.0084U	<0.0087U	<0.0087U	<0.0089U	<0.0088U
Phenanthrene	mg/kg	100	<0.011U	<0.011U	<0.011U	<0.011U	**0.99**	**0.52**	<0.012U	<0.011U	**1.3**	**<0.031J**	<0.012U	<0.011U	**0.59**	<0.012U	<0.011U	<0.011U	**4.1**	<0.012U	<0.012U	<0.012U
Pyrene	mg/kg	100	<0.0071U	<0.0073U	<0.0072U	<0.0071U	**1.7**	**1**	<0.0074U	<0.0071U	**2**	**<0.018J**	<0.0074U	<0.0072U	**1.1**	<0.0075U	<0.0071U	<0.0073U	**6.6**	<0.0075U	<0.0077U	<0.0075U
VOCs	**Units**	**SCOs**																				
1,1-dichloroethene	mg/kg	100	<0.00083U	<0.0008U	<0.00084U	<0.00079U	<0.00091U	<0.00095U	<0.0011U	<0.0009U	<0.001U	<0.00092U	<0.00084U	<0.00098U	<0.00087U	<0.00082U	<0.00083U	<0.00064U	<0.00087U	<0.0009U	<0.00084U	<0.0011U
Acetone	mg/kg	100	<0.0049U	<0.0047U	<0.005U	<0.0046U	<0.0053U	<0.0056U	<0.0064U	<0.0053U	<0.0061U	<0.0054U	<0.005U	<0.0058U	<0.0052U	<0.0048U	<0.0049U	<0.0037U	<0.0052U	<0.0053U	<0.0049U	<0.0064U
cis-1,2-dichloroethene	mg/kg	100	<0.00069U	<0.00067U	<0.0007U	<0.00065U	<0.00075U	<0.00079U	<0.0009U	<0.00074U	<0.00086U	<0.00076U	<0.0007U	<0.00081U	<0.00073U	<0.00068U	<0.00069U	<0.00053U	<0.00072U	<0.00075U	<0.0007U	<0.00089U
Cyclohexane	mg/kg	NA	<0.00036U	<0.00035U	<0.00037U	<0.00034U	<0.0004U	<0.00042U	<0.00048U	<0.00039U	<0.00046U	<0.0004U	<0.00037U	<0.00043U	<0.00038U	<0.00036U	**<0.00042J**	<0.00028U	<0.00038U	<0.0004U	<0.00037U	<0.00047U
Freon 113	mg/kg	NA	<0.001U	<0.001U	<0.0011U	<0.00099U	<0.0011U	<0.0012U,*	<0.0014U,*	<0.0011U,*	<0.0013U	<0.0012U	<0.0011U	<0.0012U	<0.0011U	<0.001U	<0.001U	<0.0008U	<0.0011U	<0.0011U	<0.0011U	<0.0014U
Methyl acetate	mg/kg	NA	<0.00088U	<0.00085U	<0.0009U	<0.00084U	<0.00096U	<0.001U	<0.0012U	<0.00095U	<0.0011U	<0.00098U	<0.0009U	<0.001U	<0.00093U	<0.00087U	<0.00088U	<0.00068U	<0.00093U	<0.00096U	<0.00089U	<0.0011U
Trichloroethene	mg/kg	21	<0.00064U	<0.00062U	<0.00065U	<0.00061U	<0.0007U	<0.00074U	<0.00084U	<0.00069U	<0.00081U	<0.00071U	<0.00065U	<0.00076U	<0.00068U	<0.00063U	<0.00064U	<0.00049U	<0.00068U	<0.0007U	<0.00065U	<0.00084U

Notes:

J: estimated value

U: non-detect

E: result exceeded calibration range

mg/kg: milligrams per kilogram

 - : not analyzed

PCBs: polychlorinated biphenyls

SVOCs: semi-volatile organic compounds

VOCs: volatile organic compounds

SCOs Restricted Residential Soil Cleanup Objectives presented in 6 New York State Department of Environmental Conservation Subpart 375

ND: none of the individual Arochlors were detected above the method detection limit

Detections are presented in bold.

Concentrations detected above the SCOs are presented in gray

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN SUBSURFACE BORINGS

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			**Main Parking Lot and Tennis Courts**																			
Sample Location			**SSHS-B82**	**SSHS-B82**	**SSHS-B82**	**SSHS-B82**	**SSHS-B83**	**SSHS-B83**	**SSHS-B83**	**SSHS-B83**	**SSHS-B84**	**SSHS-B84**	**SSHS-B84**	**SSHS-B84**	**SSHS-B85**	**SSHS-B85**	**SSHS-B85**	**SSHS-B85**	**SSHS-B86**	**SSHS-B86**	**SSHS-B86**	**SSHS-B86**
Depth Interval Sampled [ft]			**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-14.5**	**0.17-2**	**2-6**	**6-10**	**10-14**	**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-15**
Date Sampled			**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/14/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**
Inorganics	**Units**	**SCOs**																				
Aluminum	mg/kg	NA	**6,600**	**6,000**	**5,100**	**4,800**	**5,400**	**11,000**	**5,000**	**4,800**	**8,600**	**7,200**	**5,800**	**4,900**	**8,500**	**5,500**	**7,300**	**6,800**	**5,200**	**12,000**	**8,800**	**6,100**
Antimony	mg/kg	NA	**2.1**	<0.22U	<0.21U	<0.21U	<0.22U	<0.22U	<0.22U	<0.22U	**<0.23J**	**<0.32J**	**<0.3J**	**<0.32J**	<0.21U	<0.24U	<0.21U	<0.22U	<0.21U	**<0.36J**	<0.22U	<0.22U
Arsenic	mg/kg	16	**12**	**7.2**	**4.6**	**4.8**	**7.2**	**8.9**	**6.4**	**6.4**	**8.3**	**6.1**	**7.3**	**4.9**	**6**	**4.8**	**6.5**	**6.9**	**5**	**6.8**	**9.5**	**6.5**
Barium	mg/kg	400	**71**	**43B**	**27B**	**42B**	**32**	**71B**	**69B**	**47B**	**80J**	**47**	**37**	**35**	**56B**	**150B**	**34B**	**96B**	**40**	**120**	**100**	**59**
Beryllium	mg/kg	72	**<0.34J**	**<0.28J**	**<0.21J**	**<0.2J**	**<0.26J**	**0.49**	**<0.25J**	**<0.23J**	**0.41**	**<0.31J**	**<0.25J**	**<0.23J**	**<0.35J**	**<0.25J**	**<0.33J**	**<0.3J**	**<0.26J**	**0.51**	**<0.38J**	**<0.27J**
Cadmium	mg/kg	4.3	**<0.26J,B**	**<0.071J**	**<0.055J**	**<0.06J**	<0.54U	**<0.044J**	**<0.064J**	**<0.068J**	<0.52U	<0.015U	<0.015U	<0.014U	**<0.05J**	**<0.052J**	**<0.04J**	**<0.1J**	**<0.082J,B**	**<0.08J,B**	**<0.092J,B**	**1.2B**
Calcium	mg/kg	NA	**26,000**	**8,800B**	**44,000B**	**85,000B**	**26,000**	**1,200B**	**8,200B**	**2,700B**	**5,100J**	**1,700**	**28,000J**	**37,000**	**2,900B**	**57,000B**	**<500J,B**	**1,500B**	**19,000**	**1,400**	**1,100**	**2,400**
Chromium (III+VI)	mg/kg	110	**9**	**7.7**	**6.1**	**5.9**	**7B**	**12**	**6.4**	**7.4**	**11J**	**8.8**	**8**	**6.4**	**8.6**	**6.3**	**7.8**	**9.2**	**6.4**	**12**	**11**	**7.8**
Cobalt	mg/kg	NA	**9.3**	**<4.8J**	**<4.6J**	**<4.6J**	**5.8**	**9**	**<4.5J**	**<4.9J**	**7.6**	**5.9**	**5.9**	**4.9**	**5.7**	**<3.6J**	**5.7**	**7.1**	**5.3**	**8.6**	**8.5**	**5.8**
Copper	mg/kg	270	**110**	**18**	**16**	**17**	**18**	**16**	**13**	**15**	**47J**	**31**	**19**	**15**	**15**	**14**	**14**	**18**	**28**	**13**	**22**	**18**
Cyanide Total	mg/kg	27	**1.3**	<0.16U	<0.16U	<0.16U	<0.16U	<0.17U	<0.16U	<0.16U	<0.16U	**0.64**	<0.16U	<0.16U	<0.17U	**52**	<0.17U	<0.17U	**<0.3J**	<0.17U	<0.16U	<0.17U
Iron	mg/kg	NA	**48,000**	**14,000B**	**12,000B**	**12,000B**	**14,000**	**21,000B**	**12,000B**	**14,000B**	**19,000**	**24,000**	**15,000**	**12,000**	**16,000B**	**11,000B**	**15,000B**	**17,000B**	**13,000**	**19,000**	**20,000**	**16,000**
Lead	mg/kg	400	**59**	**9.3**	**5**	**5.6**	**11**	**16**	**6.1**	**6.7**	**27**	**14**	**11**	**6**	**9.4**	**11**	**7.5**	**9.3**	**18**	**15**	**11**	**7.8**
Magnesium	mg/kg	NA	**3,400**	**4,400B**	**16,000B**	**8,300B**	**3,300**	**2,700B**	**5,000B**	**1,900B**	**3,400**	**1,500**	**13,000**	**11,000**	**2,100B**	**1,300B**	**2,100B**	**2,300B**	**4,000**	**2,700**	**2,400**	**2,800**
Manganese	mg/kg	2000	**440**	**520**	**310**	**420**	**370**	**450**	**460**	**490**	**450**	**460**	**450**	**370**	**420**	**400**	**290**	**410**	**460**	**620**	**550**	**830**
Mercury	mg/kg	0.81	**<0.023J**	**<0.017J**	<0.011U	<0.011U	**<0.015J**	**0.06**	**<0.016J**	<0.012U	**0.046**	**<0.023J**	<0.012U	<0.012U	**<0.017J**	**<0.018J**	**<0.02J**	**<0.015J**	**<0.018J**	**<0.019J**	**<0.024J**	<0.012U
Nickel	mg/kg	310	**18B**	**12**	**11**	**12**	**13**	**18**	**11**	**12**	**18**	**12**	**14**	**12**	**12**	**8.9**	**13**	**16**	**12B**	**17B**	**20B**	**16B**
Potassium	mg/kg	NA	**<450J,B**	**<530J,B**	**550B**	**<500J,B**	**540**	**690B**	**570B**	**<490J,B**	**600**	<520U	**610**	**560**	**<400J,B**	**<440J,B**	**590B**	**720B**	**<380J,B**	**580B**	**680B**	**<510J,B**
Selenium	mg/kg	180	**<1J**	**<0.3J**	**<0.43J**	**<0.5J**	**<0.82J**	**<0.58J**	<0.3U	**<0.5J**	<0.28U	<1U	<0.29U	<0.99U	**<0.43J**	**<1.1J**	**<0.45J**	**<0.48J**	**<0.45J**	**<0.62J**	**<0.31J**	**<0.52J**
Sodium	mg/kg	NA	**<330J,B**	**<130J,B**	**<100J,B**	**<110J,B**	**<210J**	**<150J,B**	**<90J,B**	**<76J,B**	**<370J**	**<230J**	**<130J**	**<130J**	**<200J,B**	**720B**	**<110J,B**	**<110J,B**	**<240J,B**	**<350J,B**	**<260J,B**	**<110J,B**
Vanadium	mg/kg	NA	**13**	**9.9**	**8.3**	**8.2**	**9.9B**	**16**	**8.2**	**7.8**	**14**	**12**	**11**	**8.6**	**13**	**10**	**11**	**12**	**8.7**	**16**	**13**	**9.9**
Zinc	mg/kg	10000	**120B**	**53B**	**39B**	**49B**	**42B**	**54B**	**39B**	**53B**	**59J**	**39B**	**72B**	**42B**	**41B**	**34B**	**37B**	**55B**	**51B**	**59B**	**72B**	**350B**
Organochlorine Pesticides	**Units**	**SCOs**																				
4,4-DDE	mg/kg	8.9	<0.00028U	<0.00027U	<0.00027U	<0.00027U	<0.00028U	<0.0003U	<0.00028U	<0.00028U	<0.00028U	<0.00029U	<0.00027U	<0.00027U	<0.00028U	<0.00031U	<0.00028U	<0.00029U	<0.00027U	<0.0003U	<0.00028U	<0.00028U
Aldrin	mg/kg	0.097	<0.00033U	<0.00033U	<0.00031U	<0.00032U	<0.00033U	<0.00035U	<0.00033U	<0.00033U	<0.00033U	<0.00034U	<0.00031U	<0.00032U	<0.00034U	<0.00037U	<0.00033U	<0.00034U	<0.00032U	<0.00036U	<0.00033U	<0.00033U
Aldrin + Dieldrin	mg/kg	NA	**<0.00064**	**<0.00063**	**<0.0006**	**<0.00062**	**<0.00064**	**<0.00068**	**<0.00063**	**<0.00064**	**<0.00064**	**<0.00066**	**<0.0006**	**<0.00062**	**<0.00065**	**<0.00072**	**<0.00064**	**<0.00066**	**<0.00062**	**<0.00069**	**<0.00064**	**<0.00064**
b-BHC	mg/kg	0.36	<0.00048U	<0.00047U	<0.00046U	<0.00046U	<0.00048U	<0.00051U	<0.00047U	<0.00048U	<0.00048U	<0.00049U	<0.00046U	<0.00047U	<0.00049U	<0.00054U	<0.00049U	<0.0005U	<0.00047U	<0.00052U	<0.00048U	<0.00048U
Chlordane (cis)	mg/kg	4.2	<0.00037U	<0.00036U	<0.00035U	<0.00035U	<0.00037U	<0.00039U	<0.00036U	<0.00036U	<0.00037U	<0.00038U	<0.00035U	<0.00036U	<0.00037U	<0.00041U	<0.00037U	<0.00038U	<0.00036U	<0.0004U	<0.00037U	<0.00036U
Chlordane (trans)	mg/kg	NA	<0.00037U	<0.00036U	<0.00035U	<0.00035U	<0.00036U	<0.00039U	<0.00036U	<0.00036U	**<0.00058J**	<0.00037U	<0.00035U	<0.00035U	<0.00037U	<0.00041U	<0.00037U	<0.00038U	<0.00036U	<0.0004U	<0.00037U	<0.00036U
d-BHC	mg/kg	100	<0.00029U	<0.00028U	<0.00027U	<0.00027U	<0.00028U	<0.0003U	<0.00028U	<0.00028U	<0.00028U	<0.00029U	<0.00027U	<0.00028U	<0.00029U	<0.00032U	<0.00029U	<0.00029U	<0.00028U	<0.00031U	<0.00028U	<0.00028U
DDD	mg/kg	13	<0.00024U	<0.00024U	<0.00023U	<0.00023U	<0.00024U	<0.00026U	<0.00024U	<0.00024U	**<0.0014J**	<0.00025U	<0.00023U	<0.00024U	<0.00025U	<0.00027U	<0.00024U	<0.00025U	<0.00024U	<0.00026U	<0.00024U	<0.00024U
DDT	mg/kg	7.9	<0.00028U	<0.00027U	<0.00026U	<0.00027U	<0.00028U	<0.0003U	<0.00027U	<0.00027U	**<0.0014J**	<0.00028U	<0.00026U	<0.00027U	<0.00028U	<0.00031U	<0.00028U	<0.00029U	<0.00027U	<0.0003U	<0.00028U	<0.00027U
DDT+DDE+DDD	mg/kg	NA	**<0.0008**	**<0.00078**	**<0.00076**	**<0.00077**	**<0.0008**	**<0.00086**	**<0.00079**	**<0.00079**	**<0.00308**	**<0.00082**	**<0.00076**	**<0.00078**	**<0.00081**	**<0.00089**	**<0.0008**	**<0.00083**	**<0.00078**	**<0.00086**	**<0.0008**	**<0.00079**
Dieldrin	mg/kg	0.2	<0.00031U	<0.0003U	<0.00029U	<0.0003U	<0.00031U	<0.00033U	<0.0003U	<0.00031U	<0.00031U	<0.00032U	<0.00029U	<0.0003U	<0.00031U	<0.00035U	<0.00031U	<0.00032U	<0.0003U	<0.00033U	<0.00031U	<0.00031U
Endosulfan I	mg/kg	24	<0.00035U	<0.00034U	<0.00033U	<0.00033U	<0.00035U	<0.00037U	<0.00034U	<0.00035U	<0.00035U	<0.00036U	<0.00033U	<0.00034U	<0.00035U	<0.00039U	<0.00035U	<0.00036U	<0.00034U	<0.00038U	<0.00035U	<0.00035U
Endosulfan II	mg/kg	24	<0.00033U	<0.00032U	<0.00031U	<0.00031U	<0.00033U	<0.00035U	<0.00032U	<0.00032U	<0.00033U	<0.00033U	<0.00031U	<0.00032U	<0.00033U	<0.00037U	<0.00033U	<0.00034U	<0.00032U	<0.00035U	<0.00033U	<0.00032U
Endosulfan sulphate	mg/kg	24	<0.00019U	<0.00019U	<0.00018U	<0.00019U	<0.00019U	<0.00021U	<0.00019U	<0.00019U	<0.00019U	<0.0002U	**<0.00031J**	<0.00019U	<0.0002U	<0.00022U	<0.0002U	<0.0002U	<0.00019U	<0.00021U	<0.00019U	<0.00019U
Endrin	mg/kg	11	<0.00036U	<0.00035U	<0.00034U	<0.00035U	<0.00036U	<0.00038U	<0.00035U	<0.00036U	**0.002J**	<0.00037U	<0.00034U	<0.00035U	<0.00036U	<0.0004U	<0.00036U	<0.00037U	<0.00035U	<0.00039U	<0.00036U	<0.00036U
Endrin aldehyde	mg/kg	NA	<0.00036U	<0.00035U	<0.00034U	<0.00035U	<0.00036U	<0.00039U	<0.00035U	<0.00036U	<0.00036U	<0.00037U	<0.00034U	<0.00035U	<0.00036U	<0.0004U	<0.00036U	<0.00037U	<0.00035U	<0.00039U	<0.00036U	<0.00036U
Endrin ketone	mg/kg	NA	<0.00029U	<0.00028U	<0.00027U	<0.00028U	<0.00029U	<0.00031U	<0.00028U	<0.00029U	<0.00029U	<0.00029U	<0.00027U	<0.00028U	<0.00029U	<0.00032U	<0.00029U	<0.0003U	<0.00028U	<0.00031U	<0.00029U	<0.00029U
g-BHC (Lindane)	mg/kg	1.3	<0.00033U	<0.00032U	<0.00031U	<0.00031U	<0.00032U	<0.00035U	<0.00032U	<0.00032U	**<0.00069J**	<0.00033U	<0.00031U	<0.00032U	<0.00033U	<0.00037U	<0.00033U	<0.00034U	<0.00032U	<0.00035U	<0.00033U	<0.00032U
Heptachlor	mg/kg	2.1	<0.00042U	<0.0004U	<0.00039U	<0.0004U	<0.00041U	<0.00044U	<0.00041U	<0.00041U	<0.00041U	<0.00042U	<0.00039U	<0.0004U	<0.00042U	<0.00046U	<0.00042U	<0.00043U	<0.0004U	<0.00045U	<0.00041U	<0.00041U
Heptachlor epoxide	mg/kg	NA	<0.00036U	<0.00035U	<0.00034U	<0.00035U	<0.00036U	<0.00039U	<0.00036U	<0.00036U	<0.00036U	<0.00037U	<0.00034U	<0.00035U	<0.00037U	<0.00041U	<0.00036U	<0.00037U	<0.00035U	<0.00039U	<0.00036U	<0.00036U
Methoxychlor	mg/kg	NA	<0.00039U	<0.00038U	<0.00037U	<0.00037U	<0.00038U	<0.00041U	<0.00038U	<0.00038U	<0.00038U	<0.0004U	<0.00037U	<0.00037U	<0.00039U	<0.00043U	<0.00039U	<0.0004U	<0.00038U	<0.00042U	<0.00039U	<0.00038U
PCBs	**Units**	**SCOs**																				
Arochlor 1248	mg/kg	NA	<0.0018U	<0.0017U	<0.0017U	<0.0017U	<0.0017U	<0.0019U	<0.0017U	<0.0017U	<0.0017U	<0.0018U	<0.0017U	<0.0017U	<0.0018U	<0.002U	<0.0018U	<0.0018U	<0.0017U	<0.0019U	<0.0018U	<0.0017U
Arochlor 1254	mg/kg	NA	<0.0027U	<0.0026U	<0.0025U	<0.0025U	<0.0026U	<0.0028U	<0.0026U	<0.0026U	<0.0026U	<0.0027U	<0.0025U	<0.0026U	<0.0027U	<0.003U	<0.0027U	<0.0027U	<0.0026U	<0.0028U	<0.0026U	<0.0026U
Arochlor 1260	mg/kg	NA	<0.0027U	<0.0026U	<0.0025U	<0.0025U	<0.0026U	<0.0028U	<0.0026U	<0.0026U	<0.0026U	<0.0027U	<0.0025U	<0.0026U	<0.0027U	<0.003U	<0.0027U	<0.0027U	<0.0026U	<0.0028U	<0.0026U	<0.0026U
Arochlor 1262	mg/kg	NA	<0.0041U	<0.004U	<0.0039U	<0.0039U	<0.004U	<0.0043U	<0.004U	<0.004U	<0.004U	<0.0042U	<0.0038U	<0.0039U	<0.0041U	<0.0046U	<0.0041U	<0.0042U	<0.004U	<0.0044U	<0.0041U	<0.004U
PCBs Total	mg/kg	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs	**Units**	**SCOs**																				
2-methylnaphthalene	mg/kg	NA	**<0.034J**	<0.0066U	<0.0064U	<0.0064U	<0.0065U	<0.0071U	<0.0065U	<0.0066U	**0.076**	<0.0068U	<0.0064U	<0.0064U	**<0.0073J**	<0.0074U	<0.0067U	<0.0068U	**<0.031J**	<0.0072U	<0.0067U	<0.0066U
Acenaphthene	mg/kg	100	<0.0072U	<0.007U	<0.0068U	<0.0068U	<0.007U	<0.0076U	<0.007U	<0.0071U	**<0.054J**	<0.0073U	<0.0069U	<0.0068U	<0.0072U	<0.0079U	<0.0072U	<0.0073U	<0.0069U	<0.0077U	<0.0072U	<0.0071U
Acenaphthylene	mg/kg	100	**<0.017J**	<0.0084U	<0.0081U	<0.0081U	<0.0083U	<0.009U	<0.0083U	<0.0084U	**0.54**	<0.0087U	<0.0082U	<0.0081U	<0.0086U	<0.0094U	<0.0086U	<0.0087U	**<0.023J**	<0.0092U	<0.0085U	<0.0085U
Anthracene	mg/kg	100	**<0.017J**	<0.0072U	<0.0069U	<0.0069U	<0.0071U	<0.0077U	<0.0071U	<0.0072U	**0.37**	<0.0074U	<0.007U	<0.0069U	<0.0073U	<0.008U	<0.0073U	<0.0074U	**<0.02J**	<0.0078U	<0.0073U	<0.0072U
Benz(a)anthracene	mg/kg	1	**0.09**	<0.0092U	<0.0089U	<0.0089U	**<0.021J**	<0.0099U	<0.0091U	<0.0092U	**0.57**	<0.0095U	<0.009U	<0.0089U	<0.0094U	<0.01U	<0.0094U	<0.0095U	**0.1**	<0.01U	<0.0094U	<0.0093U
Benzo(a) pyrene	mg/kg	1	**0.083**	<0.0073U	<0.0071U	<0.0071U	<0.0072U	<0.0079U	<0.0073U	<0.0074U	**0.65**	<0.0076U	<0.0072U	<0.0071U	<0.0075U	<0.0082U	<0.0075U	<0.0076U	**0.096**	<0.008U	<0.0075U	<0.0074U
Benzo(b)fluoranthene	mg/kg	1	**0.11**	<0.012U	<0.011U	<0.011U	<0.011U	<0.012U	<0.011U	<0.012U	**0.9**	<0.012U	<0.011U	<0.011U	<0.012U	<0.013U	<0.012U	<0.012U	**0.13**	<0.013U	<0.012U	<0.012U
Benzo(g,h,i)perylene	mg/kg	100	**0.086**	<0.0073U	<0.007U	<0.007U	<0.0072U	<0.0078U	<0.0072U	<0.0073U	**0.81**	<0.0075U	<0.0071U	<0.0071U	<0.0075U	<0.0082U	<0.0074U	<0.0076U	**0.12**	<0.008U	<0.0074U	<0.0074U
Benzo(k)fluoranthene	mg/kg	3.9	**<0.036J**	<0.015U	<0.014U	<0.014U	<0.015U	<0.016U	<0.015U	<0.015U	**0.31**	<0.015U	<0.014U	<0.014U	<0.015U	<0.017U	<0.015U	<0.015U	**<0.057J**	<0.016U	<0.015U	<0.015U
Bis(2-ethylhexyl) phthalate	mg/kg	NA	<0.06U	<0.059U	<0.057U	<0.057U	<0.059U	<0.064U	<0.059U	<0.059U	<0.06U	<0.061U	<0.058U	<0.057U	<0.061U	<0.066U	<0.06U	<0.061U	<0.058U	<0.065U	<0.06U	<0.06U
Butyl benzyl phthalate	mg/kg	NA	<0.051U	<0.05U	<0.048U	<0.048U	<0.05U	<0.054U	<0.05U	<0.05U	<0.05U	<0.052U	<0.049U	<0.048U	<0.051U	<0.056U	<0.051U	<0.052U	<0.049U	<0.055U	<0.051U	<0.051U
Carbazole	mg/kg	NA	<0.0069U	<0.0068U	<0.0065U	<0.0065U	<0.0067U	<0.0073U	<0.0067U	<0.0068U	**<0.06J**	<0.007U	<0.0066U	<0.0065U	<0.0069U	<0.0076U	<0.0069U	<0.007U	**<0.0097J**	<0.0074U	<0.0069U	<0.0068U
Chrysene	mg/kg	3.9	**0.15**	<0.0087U	<0.0084U	<0.0084U	**<0.022J**	<0.0094U	<0.0086U	<0.0088U	**0.64**	<0.009U	<0.0085U	<0.0084U	<0.0089U	<0.0098U	<0.0089U	<0.0091U	**0.12**	<0.0095U	<0.0089U	<0.0088U
Dibenz(a,h)anthracene	mg/kg	0.33	<0.0083U	<0.0082U	<0.0079U	<0.0079U	<0.0081U	<0.0088U	<0.0081U	<0.0082U	**0.2**	<0.0084U	<0.008U	<0.0079U	<0.0084U	<0.0091U	<0.0083U	<0.0085U	**<0.032J**	<0.0089U	<0.0083U	<0.0082U

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN SUBSURFACE BORINGS

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			**Main Parking Lot and Tennis Courts**																			
Sample Location			**SSHS-B82**	**SSHS-B82**	**SSHS-B82**	**SSHS-B82**	**SSHS-B83**	**SSHS-B83**	**SSHS-B83**	**SSHS-B83**	**SSHS-B84**	**SSHS-B84**	**SSHS-B84**	**SSHS-B84**	**SSHS-B85**	**SSHS-B85**	**SSHS-B85**	**SSHS-B85**	**SSHS-B86**	**SSHS-B86**	**SSHS-B86**	**SSHS-B86**
Depth Interval Sampled [ft]			**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-14.5**	**0.17-2**	**2-6**	**6-10**	**10-14**	**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-15**
Date Sampled			**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/14/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**
Dibenzofuran	mg/kg	59	<0.037U	<0.036U	<0.035U	<0.035U	<0.036U	<0.039U	<0.036U	<0.036U	**<0.042J**	<0.037U	<0.035U	<0.035U	<0.037U	<0.04U	<0.037U	<0.037U	<0.035U	<0.039U	<0.037U	<0.036U
Di-n-octyl phthalate	mg/kg	NA	<0.039U	<0.039U	<0.037U	<0.037U	<0.038U	<0.042U	<0.038U	<0.039U	<0.039U	<0.04U	<0.038U	<0.037U	<0.04U	<0.043U	<0.039U	<0.04U	<0.038U	<0.042U	<0.039U	<0.039U
Fluoranthene	mg/kg	100	**0.12**	<0.0078U	<0.0076U	<0.0076U	**<0.033J**	**<0.02J**	<0.0078U	<0.0079U	**0.77**	**<0.017J**	<0.0077U	<0.0076U	**<0.02J**	<0.0088U	<0.008U	<0.0081U	**0.15**	<0.0086U	<0.008U	<0.0079U
Fluorene	mg/kg	100	<0.0099U	<0.0097U	<0.0093U	<0.0093U	<0.0095U	<0.01U	<0.0096U	<0.0097U	**0.083**	<0.01U	<0.0095U	<0.0094U	<0.0099U	<0.011U	<0.0099U	<0.01U	<0.0095U	<0.011U	<0.0098U	<0.0097U
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	**0.083**	<0.0075U	<0.0073U	<0.0073U	<0.0075U	<0.0081U	<0.0075U	<0.0076U	**0.64**	<0.0078U	<0.0074U	<0.0073U	<0.0077U	<0.0085U	<0.0077U	<0.0078U	**0.099**	<0.0083U	<0.0077U	<0.0076U
Naphthalene	mg/kg	100	**<0.068J**	<0.0063U	<0.0061U	<0.0061U	<0.0062U	<0.0068U	<0.0063U	<0.0063U	**0.1**	<0.0065U	<0.0062U	<0.0061U	**0.085**	<0.0071U	<0.0065U	<0.0066U	**0.075**	<0.0069U	<0.0064U	<0.0064U
N-nitrosodi-n-propylamine	mg/kg	NA	<0.0088U	<0.0086U	<0.0083U	<0.0083U	<0.0085U	<0.0092U	<0.0085U	<0.0086U	<0.0087U	<0.0089U	<0.0084U	<0.0083U	<0.0088U	<0.0096U	<0.0088U	<0.0089U	<0.0084U	<0.0094U	<0.0088U	<0.0087U
Phenanthrene	mg/kg	100	**0.14**	<0.012U	<0.011U	<0.011U	<0.012U	**<0.015J**	<0.012U	<0.012U	**0.36**	**<0.012J**	<0.011U	<0.011U	<0.012U	<0.013U	<0.012U	<0.012U	**0.075**	<0.013U	<0.012U	<0.012U
Pyrene	mg/kg	100	**0.11**	<0.0074U	<0.0072U	<0.0072U	**<0.023J**	**<0.016J**	<0.0073U	<0.0074U	**0.74**	**<0.016J**	<0.0072U	<0.0072U	**<0.024J**	<0.0083U	<0.0076U	<0.0077U	**0.16**	<0.0081U	<0.0075U	<0.0075U
VOCs	**Units**	**SCOs**																				
1,1-dichloroethene	mg/kg	100	<0.00083U	<0.00083U	<0.00068U	<0.0007U	<0.00079U	<0.0009U	<0.00083U	<0.00077U	<0.00084U	<0.00081U	<0.00072U	<0.00078U	<0.00096U	<0.0013U	<0.00074U	<0.0009U	<0.00093U	<0.00083U	<0.00083U	<0.00074U
Acetone	mg/kg	100	**<0.0053J**	<0.0049U	<0.004U	<0.0042U	<0.0046U	**<0.0064J**	<0.0049U	<0.0045U	<0.005U	<0.0048U	<0.0042U	<0.0046U	<0.0056U	<0.0074U	<0.0044U	<0.0053U	<0.0055U	<0.0049U	<0.0049U	<0.0043U
cis-1,2-dichloroethene	mg/kg	100	<0.00068U	<0.00069U	<0.00057U	<0.00058U	<0.00065U	<0.00074U	<0.00069U	<0.00064U	<0.0007U	<0.00067U	<0.00059U	<0.00065U	<0.00079U	<0.001U	<0.00062U	<0.00074U	<0.00077U	<0.00068U	<0.00069U	<0.00061U
Cyclohexane	mg/kg	NA	<0.00036U	<0.00036U	<0.0003U	<0.00031U	<0.00034U	<0.00039U	<0.00036U	<0.00034U	<0.00037U	<0.00036U	<0.00031U	<0.00034U	<0.00042U	<0.00055U	<0.00033U	**<0.0007J**	<0.00041U	<0.00036U	<0.00036U	<0.00032U
Freon 113	mg/kg	NA	<0.001U	<0.001U	<0.00086U	<0.00089U	<0.00099U	<0.0011U	<0.001U	<0.00097U	<0.0011U	<0.001U	<0.0009U	<0.00098U	<0.0012U	<0.0016U	<0.00094U	<0.0011U	<0.0012U	<0.001U	<0.001U	<0.00093U
Methyl acetate	mg/kg	NA	<0.00088U	<0.00088U	<0.00072U	<0.00075U	<0.00083U	<0.00095U	<0.00089U	<0.00082U	<0.00089U	<0.00086U	<0.00076U	<0.00083U	<0.001U	<0.0013U	<0.00079U	<0.00095U	<0.00099U	<0.00088U	<0.00088U	<0.00078U
Trichloroethene	mg/kg	21	**<0.00064J**	<0.00064U	<0.00053U	<0.00055U	<0.00061U	<0.00069U	<0.00065U	<0.0006U	<0.00065U	<0.00063U	<0.00056U	<0.00061U	<0.00074U	<0.00097U	<0.00058U	<0.00069U	<0.00072U	<0.00064U	<0.00064U	<0.00057U

Notes:

J: estimated value

U: non-detect

E: result exceeded calibration range

mg/kg: milligrams per kilogram

 - : not analyzed

PCBs: polychlorinated biphenyls

SVOCs: semi-volatile organic compounds

VOCs: volatile organic compounds

SCOs Restricted Residential Soil Cleanup Objectives presented in 6 New York State Department of Environmental Conservation Subpart 375

ND: none of the individual Arochlors were detected above the method detection limit

Detections are presented in bold.

Concentrations detected above the SCOs are presented in gray

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN SUBSURFACE BORINGS

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			**Main Parking Lot and Tennis Courts**																		
Sample Location			**SSHS-B87**	**SSHS-B87**	**SSHS-B87**	**SSHS-B87**	**SSHS-B88**	**SSHS-B88**	**SSHS-B88**	**SSHS-B88**	**SSHS-B89**	**SSHS-B89**	**SSHS-B89**	**SSHS-B89**	**SSHS-B90**	**SSHS-B90**	**SSHS-B90**	**SSHS-B90**	**SSHS-B91**	**SSHS-B91**	**SSHS-B91**
Depth Interval Sampled [ft]			**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**
Date Sampled			**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**
Inorganics	**Units**	**SCOs**																			
Aluminum	mg/kg	NA	**7,800**	**6,900**	**7,000**	**5,100**	**8,000**	**7,300**	**8,500**	**7,900**	**6,200**	**9,400**	**5,900**	**4,400**	**5,900**	**8,100**	**12,000**	**3,800**	**6,900**	**11,000**	**7,600**
Antimony	mg/kg	NA	**<0.36J**	**<0.32J**	<0.23U	**<0.27J**	<0.21U	**<0.44J**	<0.2U	<0.23U	<0.2U	<0.22U	<0.22U	<0.2U	<0.2U	<0.24U	<0.24U	<0.23U	<0.19U	<0.22U	<0.21U
Arsenic	mg/kg	16	**5.6**	**6.7**	**7.6**	**6**	**8.1**	**5.2**	**6.5**	**9.8**	**6.8**	**7**	**6.3**	**4.9**	**6.7**	**6.8**	**6.1**	**3.8**	**4.9**	**7.8**	**9.1**
Barium	mg/kg	400	**59**	**45**	**72**	**41**	**63**	**41**	**48**	**87**	**50**	**90**	**49**	**35**	**56B**	**84B**	**140B**	**32B**	**45B**	**99B**	**42B**
Beryllium	mg/kg	72	**<0.33J**	**0.45**	**<0.34J**	**<0.23J**	**<0.4J**	**<0.29J**	**<0.32J**	**<0.37J**	**<0.31J**	**0.45**	**<0.24J**	**<0.21J**	**<0.27J**	**<0.39J**	**0.49**	**<0.18J**	**<0.27J**	**0.51**	**<0.34J**
Cadmium	mg/kg	4.3	<0.51U	<0.016U	<0.016U	<0.015U	**<0.065J,B**	**<0.034J,B**	**<0.049J,B**	**<0.065J,B**	**<0.06J,B**	**<0.062J,B**	**<0.06J,B**	**<0.058J,B**	**<0.092J**	**<0.11J,B**	**<0.084J,B**	**<0.078J,B**	**<0.064J,B**	**0.57B**	**<0.046J,B**
Calcium	mg/kg	NA	**13,000**	**1,800**	**1,300**	**19,000**	**5,800**	**3,700**	**1,100**	**1,300**	**10,000**	**1,200**	**47,000**	**1,700**	**38,000B**	**3,900**	**<400J**	**760**	**24,000**	**1,400**	**760**
Chromium (III+VI)	mg/kg	110	**9.5**	**9.3**	**8.9**	**6.7**	**17**	**11**	**8.9**	**11**	**7.5**	**10**	**7**	**5.6**	**8.3**	**9.9**	**11**	**5**	**8.4**	**12**	**9.8**
Cobalt	mg/kg	NA	**5.6**	**6.4**	**6.6**	**<5J**	**6.4**	**<4.9J**	**7.3**	**6.6**	**5.5**	**7.2**	**<5.4J**	**<4.2J**	**5.2**	**<5.8J**	**7.6**	**<3.5J**	**4.9**	**8**	**6.5**
Copper	mg/kg	270	**55**	**57**	**21**	**17**	**36**	**15**	**19**	**24**	**24**	**14**	**21**	**20**	**47**	**39**	**11**	**9.3**	**20**	**16**	**17**
Cyanide Total	mg/kg	27	**<0.21J**	**<0.19J**	<0.17U	<0.16U	<0.17U	<0.17U	<0.16U	**0.73**	<0.15U	<0.16U	**<0.16J**	**<0.33J**	<0.17U	**<0.37J**	<0.17U	<0.16U	<0.16U	<0.16U	<0.15U
Iron	mg/kg	NA	**16,000**	**15,000**	**17,000**	**14,000**	**20,000**	**14,000**	**19,000**	**20,000**	**17,000**	**19,000**	**15,000**	**12,000**	**15,000B**	**17,000**	**19,000**	**9,700**	**15,000**	**20,000**	**17,000**
Lead	mg/kg	400	**31**	**30**	**9**	**5.9**	**72**	**10**	**8.1**	**13**	**9.4**	**13**	**7.2**	**5.4**	**36**	**42**	**9.5**	**4.2**	**16**	**12**	**8.2**
Magnesium	mg/kg	NA	**3,400**	**1,900**	**2,000**	**8,500**	**2,400**	**2,300**	**2,500**	**2,300**	**3,500**	**2,300**	**26,000**	**1,700**	**11,000B**	**2,100**	**2,300**	**1,400**	**3,200**	**2,600**	**2,200**
Manganese	mg/kg	2000	**350**	**330**	**590**	**360**	**280**	**260**	**490**	**550**	**470**	**560**	**460**	**380**	**360**	**320**	**1,100**	**350**	**290**	**730**	**410**
Mercury	mg/kg	0.81	**<0.035J**	**<0.019J**	**<0.019J**	<0.012U	**<0.033J**	**<0.018J**	<0.012U	**<0.013J**	**<0.013J**	**<0.02J**	<0.012U	<0.012U	**0.036**	**0.056**	**0.04**	**<0.011J**	**0.037**	**<0.026J**	**<0.02J**
Nickel	mg/kg	310	**18**	**15**	**15**	**12**	**16B**	**12B**	**16B**	**18B**	**13B**	**15B**	**13B**	**11B**	**24**	**21**	**15**	**9**	**13**	**18**	**16**
Potassium	mg/kg	NA	<510U	**700**	**680**	**550**	**<450J,B**	**<360J,B**	**<440J,B**	**670B**	**<420J,B**	**590B**	**590B**	**<440J,B**	**<480J,B**	**<520J,B**	**<580J,B**	**<360J,B**	**<390J,B**	**650B**	**660B**
Selenium	mg/kg	180	<1U	**1.2B**	<0.3U	<1U	**<0.55J**	**<0.42J**	**<0.39J**	**<0.3J**	<0.27U	**<0.68J**	**<0.41J**	<0.27U	**<0.44J**	**<0.69J**	**<0.72J**	<0.3U	**<0.31J**	**1.1**	<0.28U
Sodium	mg/kg	NA	**<220J**	**<240J**	**<170J**	**<94J**	**<300J,B**	**<170J,B**	**<180J,B**	**<350J,B**	**<200J,B**	**<160J,B**	**<180J,B**	**<84J,B**	**<320J,B**	**<180J,B**	**<120J,B**	**<49J,B**	**<91J,B**	**<140J,B**	**<92J,B**
Vanadium	mg/kg	NA	**13**	**15**	**13**	**9.7**	**14**	**12**	**12**	**13**	**10**	**14**	**10**	**7.3**	**11**	**13B**	**15B**	**5.9B**	**10B**	**15B**	**11B**
Zinc	mg/kg	10000	**55B**	**52B**	**63B**	**120B**	**57B**	**44B**	**52B**	**59B**	**57B**	**52B**	**47B**	**46B**	**62B**	**76B**	**52B**	**30B**	**42B**	**53B**	**48B**
Organochlorine Pesticides	**Units**	**SCOs**																			
4,4-DDE	mg/kg	8.9	<0.00028U	<0.00029U	<0.00028U	<0.00028U	<0.00028U	<0.00029U	<0.00027U	<0.00029U	<0.00027U	<0.00029U	<0.00028U	<0.00028U	<0.00028U	<0.0003U	<0.0003U	<0.00027U	<0.00027U	<0.00027U	<0.00026U
Aldrin	mg/kg	0.097	<0.0019U	<0.00034U	<0.00034U	<0.00033U	<0.00033U	<0.00035U	<0.00033U	<0.00034U	<0.00032U	<0.00035U	<0.00033U	<0.00033U	<0.00033U	<0.00036U	<0.00036U	<0.00032U	<0.00032U	<0.00032U	<0.00031U
Aldrin + Dieldrin	mg/kg	NA	**<0.00141**	**<0.00066**	**<0.00065**	**<0.00063**	**<0.00064**	**<0.00067**	**<0.00063**	**<0.00066**	**<0.00062**	**<0.00067**	**<0.00063**	**<0.00064**	**<0.00064**	**<0.00069**	**<0.0007**	**<0.00062**	**<0.00062**	**<0.00062**	**<0.0006**
b-BHC	mg/kg	0.36	<0.00048U	<0.00049U	<0.00049U	<0.00047U	<0.00048U	<0.0005U	<0.00047U	<0.0005U	<0.00046U	<0.0005U	<0.00047U	<0.00049U	<0.00048U	<0.00052U	<0.00052U	<0.00047U	<0.00047U	<0.00046U	<0.00045U
Chlordane (cis)	mg/kg	4.2	<0.00037U	<0.00038U	<0.00037U	<0.00036U	<0.00037U	<0.00038U	<0.00036U	<0.00038U	<0.00036U	<0.00038U	<0.00036U	<0.00037U	<0.00036U	<0.0004U	<0.0004U	<0.00036U	<0.00036U	<0.00035U	<0.00034U
Chlordane (trans)	mg/kg	NA	0.0037U	<0.00037U	<0.00037U	<0.00036U	**<0.00072J,p**	<0.00038U	<0.00036U	<0.00038U	**<0.00058J**	<0.00038U	<0.00036U	<0.00037U	**<0.001J,p**	**<0.0006J,p**	<0.0004U	<0.00036U	<0.00036U	<0.00035U	<0.00034U
d-BHC	mg/kg	100	<0.0019U	<0.00029U	<0.00029U	<0.00028U	<0.00029U	<0.0003U	<0.00028U	<0.00029U	<0.00027U	<0.0003U	<0.00028U	<0.00029U	**<0.00034J,p**	<0.00031U	<0.00031U	<0.00028U	<0.00028U	<0.00027U	<0.00026U
DDD	mg/kg	13	<0.0019U	<0.00025U	<0.00025U	<0.00024U	**<0.00081J,p**	<0.00025U	<0.00024U	<0.00025U	<0.00023U	<0.00025U	<0.00024U	<0.00024U	**<0.00066J,p**	**<0.00044J,p**	<0.00026U	<0.00024U	<0.00024U	<0.00023U	<0.00023U
DDT	mg/kg	7.9	<0.0019U	<0.00028U	<0.00028U	<0.00027U	**<0.00067J,p**	<0.00029U	<0.00027U	<0.00029U	<0.00027U	<0.00029U	<0.00027U	<0.00028U	**<0.00035J,p**	**<0.00035J,p**	<0.0003U	<0.00027U	<0.00027U	<0.00027U	<0.00026U
DDT+DDE+DDD	mg/kg	NA	**<0.00119**	**<0.00082**	**<0.00081**	**<0.00079**	**<0.00176**	**<0.00083**	**<0.00078**	**<0.00083**	**<0.00077**	**<0.00083**	**<0.00079**	**<0.0008**	**<0.00129**	**<0.00109**	**<0.00086**	**<0.00078**	**<0.00078**	**<0.00077**	**<0.00075**
Dieldrin	mg/kg	0.2	<0.00031U	<0.00032U	<0.00031U	<0.0003U	<0.00031U	<0.00032U	<0.0003U	<0.00032U	<0.0003U	<0.00032U	<0.0003U	<0.00031U	<0.00031U	<0.00033U	<0.00034U	<0.0003U	<0.0003U	<0.0003U	<0.00029U
Endosulfan I	mg/kg	24	<0.00035U	<0.00036U	<0.00035U	<0.00034U	<0.00035U	<0.00036U	<0.00034U	<0.00036U	<0.00034U	<0.00036U	<0.00034U	<0.00035U	<0.00035U	<0.00038U	<0.00038U	<0.00034U	<0.00034U	<0.00033U	<0.00032U
Endosulfan II	mg/kg	24	<0.00033U	<0.00034U	<0.00033U	<0.00032U	<0.00033U	<0.00034U	<0.00032U	<0.00034U	<0.00032U	<0.00034U	<0.00032U	<0.00033U	<0.00032U	<0.00035U	<0.00036U	<0.00032U	<0.00032U	<0.00031U	<0.00031U
Endosulfan sulphate	mg/kg	24	<0.0019U	<0.0002U	<0.0002U	<0.00019U	**<0.00042J,p**	**<0.00033J**	<0.00019U	<0.0002U	**<0.00051J,p**	<0.0002U	<0.00019U	<0.0002U	<0.00019U	**<0.00023J,p**	<0.00021U	<0.00019U	<0.00019U	<0.00019U	<0.00018U
Endrin	mg/kg	11	0.0035U	<0.00037U	<0.00036U	<0.00035U	**0.002**	<0.00037U	<0.00035U	<0.00037U	**<0.00076J**	<0.00037U	<0.00035U	<0.00036U	**0.0019**	**<0.00081J**	<0.00039U	<0.00035U	<0.00035U	<0.00035U	<0.00034U
Endrin aldehyde	mg/kg	NA	<0.00036U	<0.00037U	<0.00036U	<0.00036U	<0.00036U	<0.00037U	<0.00035U	<0.00037U	<0.00035U	<0.00037U	<0.00036U	<0.00036U	<0.00036U	<0.00039U	<0.00039U	<0.00035U	<0.00035U	<0.00035U	<0.00034U
Endrin ketone	mg/kg	NA	<0.00029U	<0.0003U	<0.00029U	<0.00028U	**<0.00078J,p**	**<0.00033J,p**	<0.00028U	<0.0003U	**<0.00029J,p**	<0.0003U	<0.00028U	<0.00029U	<0.00029U	<0.00031U	<0.00031U	<0.00028U	<0.00028U	<0.00028U	<0.00027U
g-BHC (Lindane)	mg/kg	1.3	<0.00032U	<0.00033U	<0.00033U	<0.00032U	<0.00033U	<0.00034U	<0.00032U	<0.00034U	<0.00031U	<0.00034U	<0.00032U	<0.00033U	<0.00032U	<0.00035U	<0.00035U	<0.00032U	<0.00032U	<0.00031U	<0.0003U
Heptachlor	mg/kg	2.1	<0.00041U	<0.00042U	<0.00042U	<0.00041U	<0.00041U	<0.00043U	<0.0004U	<0.00042U	<0.0004U	<0.00043U	<0.00041U	<0.00042U	<0.00041U	<0.00044U	<0.00045U	<0.0004U	<0.0004U	<0.0004U	<0.00038U
Heptachlor epoxide	mg/kg	NA	<0.0019U	<0.00037U	<0.00037U	<0.00036U	**<0.00038J,p**	<0.00038U	<0.00035U	<0.00037U	<0.00035U	<0.00038U	<0.00036U	<0.00036U	**<0.00039J,p**	<0.00039U	<0.00039U	<0.00035U	<0.00035U	<0.00035U	<0.00034U
Methoxychlor	mg/kg	NA	<0.0036U	<0.0004U	<0.00039U	<0.00038U	**<0.0029J,p**	<0.0004U	<0.00038U	<0.0004U	<0.00037U	<0.0004U	<0.00038U	<0.00039U	<0.00038U	<0.00042U	<0.00042U	<0.00038U	<0.00038U	<0.00037U	<0.00036U
PCBs	**Units**	**SCOs**																			
Arochlor 1248	mg/kg	NA	**0.15**	<0.0018U	<0.0018U	<0.0017U	**0.049**	<0.0018U	<0.0017U	<0.0018U	**0.019**	<0.0018U	<0.0017U	<0.0018U	**0.067**	**0.033**	<0.0019U	<0.0017U	<0.0017U	<0.0017U	<0.0016U
Arochlor 1254	mg/kg	NA	<0.0026U	<0.0027U	<0.0027U	<0.0026U	<0.0027U	<0.0027U	<0.0026U	<0.0027U	<0.0025U	<0.0027U	<0.0026U	<0.0027U	<0.0026U	<0.0028U	<0.0029U	<0.0026U	<0.0026U	<0.0025U	<0.0025U
Arochlor 1260	mg/kg	NA	**0.035**	<0.0027U	<0.0027U	<0.0026U	**0.036**	<0.0027U	<0.0026U	<0.0027U	**<0.0073J**	<0.0027U	<0.0026U	<0.0027U	**0.059p**	**<0.012J**	<0.0029U	<0.0026U	<0.0026U	<0.0025U	<0.0025U
Arochlor 1262	mg/kg	NA	<0.004U	<0.0042U	<0.0041U	<0.004U	<0.0041U	<0.0042U	<0.004U	<0.0042U	<0.0039U	<0.0042U	<0.004U	<0.0041U	<0.004U	<0.0044U	<0.0044U	<0.0039U	<0.0039U	<0.0039U	<0.0038U
PCBs Total	mg/kg	1	**0.185**	ND	ND	ND	**0.085**	ND	ND	ND	**0.019**	ND	ND	ND	**0.126**	**0.033**	ND	ND	ND	ND	ND
SVOCs	**Units**	**SCOs**																			
2-methylnaphthalene	mg/kg	NA	**<0.026J**	<0.0068U	<0.0068U	<0.0066U	**<0.059J**	<0.0069U	<0.0066U	<0.0069U	**<0.0071J**	<0.0069U	<0.0065U	<0.0067U	<0.033U	**<0.058J**	<0.0073U	<0.0065U	**<0.022J**	<0.0065U	<0.0063U
Acenaphthene	mg/kg	100	<0.0071U	<0.0072U	<0.0072U	<0.007U	**<0.01J**	<0.0074U	<0.007U	<0.0073U	<0.0068U	<0.0074U	<0.007U	<0.0072U	<0.035U	<0.0077U	<0.0078U	<0.0069U	**<0.011J**	<0.0069U	<0.0067U
Acenaphthylene	mg/kg	100	**0.12**	<0.0086U	<0.0086U	<0.0084U	**0.13**	<0.0088U	<0.0083U	<0.0087U	<0.0081U	<0.0088U	<0.0083U	<0.0086U	<0.042U	**<0.029J**	<0.0092U	<0.0082U	**<0.031J**	<0.0082U	<0.008U
Anthracene	mg/kg	100	**0.09**	<0.0074U	<0.0073U	<0.0072U	**0.11**	<0.0076U	<0.0071U	<0.0075U	<0.0069U	<0.0076U	<0.0071U	<0.0073U	<0.036U	**<0.042J**	<0.0079U	<0.007U	**<0.044J**	<0.007U	<0.0069U
Benz(a)anthracene	mg/kg	1	**0.36**	<0.0095U	<0.0094U	<0.0092U	**0.4**	<0.0097U	<0.0091U	<0.0096U	**<0.034J**	<0.0097U	<0.0091U	<0.0094U	**<0.12J**	<0.2 - 0.18U	<0.01U	<0.009U	**0.13**	<0.009U	<0.0088U
Benzo(a) pyrene	mg/kg	1	**0.31**	<0.0075U	<0.0075U	<0.0073U	**0.44**	<0.0077U	<0.0073U	<0.0076U	**<0.031J**	<0.0077U	<0.0073U	<0.0075U	**<0.11J**	<0.16 - 0.14U	<0.0081U	<0.0072U	**0.13**	<0.0072U	<0.007U
Benzo(b)fluoranthene	mg/kg	1	**0.46**	<0.012U	<0.012U	<0.012U	**0.56**	<0.012U	<0.011U	<0.012U	**<0.037J**	<0.012U	<0.011U	<0.012U	**<0.13J**	<0.25 - 0.19U	<0.013U	<0.011U	**0.18**	<0.011U	<0.011U
Benzo(g,h,i)perylene	mg/kg	100	**0.33**	<0.0075U	<0.0075U	<0.0073U	**0.57**	<0.0077U	<0.0072U	<0.0076U	**<0.032J**	<0.0077U	<0.0072U	<0.0074U	<0.037U	<0.16 - 0.17U	<0.008U	<0.0072U	**0.12**	<0.0071U	<0.007U
Benzo(k)fluoranthene	mg/kg	3.9	**0.18**	<0.015U	<0.015U	<0.015U	**0.17**	<0.016U	<0.015U	<0.015U	**<0.018J**	<0.016U	<0.015U	<0.015U	**<0.079J**	<0.32 - 0.086U	<0.016U	<0.015U	**<0.054J**	<0.015U	<0.014U
Bis(2-ethylhexyl) phthalate	mg/kg	NA	<0.06U	<0.061U	<0.061U	<0.059U	<0.06U	<0.062U	<0.059U	<0.062U	<0.057U	<0.062U	<0.059U	<0.06U	<0.3U	<1.3 - 1.4U	<0.065U	<0.058U	<0.058U	<0.058U	<0.057U
Butyl benzyl phthalate	mg/kg	NA	<0.05U	<0.052U	<0.051U	<0.05U	<0.051U	<0.053U	<0.05U	<0.052U	<0.048U	<0.053U	<0.05U	<0.051U	<0.25U	**50 - 110E**	**<0.073J**	<0.049U	<0.049U	<0.049U	<0.048U
Carbazole	mg/kg	NA	<0.0068U	<0.007U	<0.0069U	<0.0067U	**<0.035J**	<0.0071U	<0.0067U	<0.007U	<0.0065U	<0.0071U	<0.0067U	<0.0069U	<0.034U	<0.0074U	<0.0074U	<0.0066U	**<0.018J**	<0.0066U	<0.0065U
Chrysene	mg/kg	3.9	**0.44**	**<0.065J**	<0.0089U	<0.0087U	**0.4**	<0.0092U	<0.0087U	<0.0091U	**<0.037J**	<0.0092U	<0.0087U	<0.0089U	**<0.12J**	<0.19 - 0.17U	<0.0096U	<0.0086U	**0.15**	<0.0085U	<0.0083U
Dibenz(a,h)anthracene	mg/kg	0.33	**0.091**	<0.0084U	<0.0084U	<0.0081U	**0.11**	<0.0086U	<0.0081U	<0.0085U	**<0.0081J**	<0.0086U	<0.0081U	<0.0083U	<0.041U	<0.0089U	<0.009U	<0.008U	**<0.041J**	<0.008U	<0.0078U

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN SUBSURFACE BORINGS

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			**Main Parking Lot and Tennis Courts**																		
Sample Location			**SSHS-B87**	**SSHS-B87**	**SSHS-B87**	**SSHS-B87**	**SSHS-B88**	**SSHS-B88**	**SSHS-B88**	**SSHS-B88**	**SSHS-B89**	**SSHS-B89**	**SSHS-B89**	**SSHS-B89**	**SSHS-B90**	**SSHS-B90**	**SSHS-B90**	**SSHS-B90**	**SSHS-B91**	**SSHS-B91**	**SSHS-B91**
Depth Interval Sampled [ft]			**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**	**10-15**	**0.17-2**	**2-6**	**6-10**
Date Sampled			**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/14/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**
Dibenzofuran	mg/kg	59	<0.036U	<0.037U	<0.037U	<0.036U	**<0.056J**	<0.038U	<0.036U	<0.038U	<0.035U	<0.038U	<0.036U	<0.037U	<0.18U	<0.039U	<0.04U	<0.035U	<0.035U	<0.035U	<0.034U
Di-n-octyl phthalate	mg/kg	NA	<0.039U	<0.04U	<0.04U	<0.039U	<0.039U	<0.041U	<0.038U	<0.04U	<0.037U	<0.041U	<0.038U	<0.039U	<0.19U	<0.042U	<0.043U	<0.038U	<0.038U	<0.038U	<0.037U
Fluoranthene	mg/kg	100	**0.6**	**<0.015J**	<0.008U	<0.0078U	**0.62**	<0.0083U	<0.0078U	<0.0082U	**<0.037J**	<0.0083U	<0.0078U	<0.008U	**<0.19J**	**<0.25 - 0.22J**	<0.0086U	**<0.0093J**	**0.26**	<0.0077U	<0.0075U
Fluorene	mg/kg	100	<0.0097U	<0.0099U	<0.0099U	<0.0097U	**<0.022J**	<0.01U	<0.0096U	<0.01U	<0.0093U	<0.01U	<0.0096U	<0.0099U	<0.048U	<0.011U	<0.011U	<0.0095U	<0.0094U	<0.0095U	<0.0092U
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	**0.27**	<0.0078U	<0.0077U	<0.0075U	**0.47**	<0.008U	<0.0075U	<0.0079U	**<0.028J**	<0.008U	<0.0075U	<0.0077U	<0.038U	<0.16 - 0.14U	<0.0083U	<0.0074U	**0.1**	<0.0074U	<0.0072U
Naphthalene	mg/kg	100	**<0.052J**	<0.0065U	<0.0065U	<0.0063U	**0.24**	<0.0067U	<0.0063U	<0.0066U	**<0.015J**	<0.0067U	<0.0063U	<0.0064U	<0.032U	<0.14 - 0.16U	<0.007U	<0.0062U	**<0.066J**	<0.0062U	<0.006U
N-nitrosodi-n-propylamine	mg/kg	NA	<0.0087U	<0.0088U	<0.0088U	<0.0086U	<0.0088U	<0.0091U	<0.0085U	<0.009U	<0.0083U	<0.0091U	<0.0085U	<0.0088U	<0.043U	<0.0094U	<0.0095U	<0.0084U	<0.0084U	<0.0084U	<0.0082U
Phenanthrene	mg/kg	100	**0.27**	**<0.035J**	<0.012U	<0.012U	**0.32**	<0.012U	<0.012U	<0.012U	**<0.03J**	<0.012U	<0.012U	<0.012U	**<0.089J**	<0.25 - 0.15U	<0.013U	<0.011U	**0.15**	<0.011U	<0.011U
Pyrene	mg/kg	100	**0.64**	**<0.011J**	<0.0076U	<0.0074U	**0.6**	<0.0078U	<0.0074U	<0.0077U	**<0.042J**	<0.0078U	<0.0074U	<0.0076U	**<0.21J**	**<0.21 - 0.32J**	<0.0082U	**<0.011J**	**0.21**	<0.0073U	<0.0071U
VOCs	**Units**	**SCOs**																			
1,1-dichloroethene	mg/kg	100	<0.00076U	<0.00081U	<0.00083U	<0.001U	<0.00087U	<0.00057U	<0.00077U	<0.0008U	<0.00074U	<0.00079U	<0.0008U	<0.00084U	<0.00052U	<0.00085U	<0.00082U	<0.0008U	<0.0011U	<0.0009U	<0.0009U
Acetone	mg/kg	100	<0.0045U	<0.0047U	<0.0049U	<0.0059U	<0.0051U	<0.0034U	<0.0045U	<0.0047U	<0.0044U	<0.0046U	<0.0047U	<0.0049U	<0.0031U	<0.005U	<0.0049U	<0.0047U	**<0.01J**	**<0.0062J**	<0.0053U
cis-1,2-dichloroethene	mg/kg	100	<0.00063U	<0.00067U	<0.00069U	<0.00083U	<0.00072U	<0.00048U	<0.00064U	<0.00066U	<0.00061U	<0.00065U	<0.00066U	<0.00069U	<0.00044U	<0.00071U	<0.00068U	<0.00067U	<0.00094U	<0.00075U	<0.00074U
Cyclohexane	mg/kg	NA	<0.00033U	<0.00035U	<0.00036U	<0.00044U	<0.00038U	<0.00025U	<0.00034U	<0.00035U	<0.00032U	<0.00034U	<0.00035U	<0.00037U	<0.00023U	<0.00037U	<0.00036U	<0.00035U	<0.0005U	<0.00039U	<0.00039U
Freon 113	mg/kg	NA	<0.00096U	<0.001U	<0.001U	<0.0013U	<0.0011U	<0.00072U	<0.00097U	<0.001U	<0.00093U	<0.00099U	<0.001U	<0.0011U	<0.00066U	<0.0011U	<0.001U	<0.001U	<0.0014U	<0.0011U	<0.0011U
Methyl acetate	mg/kg	NA	<0.00081U	<0.00086U	<0.00088U	<0.0011U	<0.00093U	<0.00061U	<0.00082U	<0.00085U	<0.00079U	<0.00084U	<0.00085U	<0.00089U	<0.00056U	<0.0009U	<0.00088U	<0.00085U	<0.0012U	<0.00096U	<0.00095U
Trichloroethene	mg/kg	21	<0.00059U	<0.00062U	<0.00064U	<0.00077U	<0.00068U	<0.00045U	<0.0006U	<0.00062U	<0.00057U	<0.00061U	<0.00062U	<0.00065U	**<0.00075J**	**<0.0015J**	<0.00064U	<0.00062U	<0.00088U	<0.0007U	<0.00069U

Notes:
J: estimated value
U: non-detect
E: result exceeded calibration range
mg/kg: milligrams per kilogram
 - : not analyzed
PCBs: polychlorinated biphenyls
SVOCs: semi-volatile organic compounds
VOCs: volatile organic compounds
SCOs Restricted Residential Soil Cleanup Objectives presented in 6 New York State Department of Environmental Conservation Subpart 375
ND: none of the individual Arochlors were detected above the method detection limit

Detections are presented in bold.

Concentrations detected above the SCOs are presented in gray

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN SUBSURFACE BORINGS

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			EHS - F and G Wings																			
Sample Location			**SSHS-B91**	**SSHS-B92**	**SSHS-B92**	**SSHS-B92**	**SSHS-B92**	**SSHS-B93**	**SSHS-B93**	**SSHS-B93**	**SSHS-B93**	**SSHS-B94**	**SSHS-B94**	**SSHS-B94**	**SSHS-B94**	**SSHS-B95**	**SSHS-B95**	**SSHS-B95**	**SSHS-B95**	**SSHS-B96**	**SSHS-B96**	**SSHS-B96**
Depth Interval Sampled [ft]			**10-15**	**0.17-2**	**2-6**	**6-10**	**10-16**	**0.17-2**	**2-6**	**6-10**	**10-16**	**0.17-2**	**2-6**	**6-10**	**10-16**	**0.17-2**	**2-6**	**6-10**	**10-16**	**0.17-2**	**2-6**	**6-10**
Date Sampled			**8/13/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**
Inorganics	**Units**	**SCOs**																				
Aluminum	mg/kg	NA	**7,200**	**10,000**	**6,200**	**8,800**	**7,300**	**9,300**	**7,800**	**7,500**	**7,400**	**7,400**	**6,700**	**7,100**	**6,600**	**10,000**	**9,200**	**8,700**	**7,700**	**10,000**	**8,000**	**10,000**
Antimony	mg/kg	NA	<0.23U	<0.22U	**<0.35J**	<0.26U	<0.23U	<0.25U	<0.23U	<0.18U	<0.19U	<0.23U	<0.21U	<0.21U	<0.23U	<0.23U	<0.21U	<0.21UJ	<0.22U	<0.19U	<0.21U	<0.22U
Arsenic	mg/kg	16	**9.1**	**9.4**	**8.6**	**7.4**	**8.1**	**7.9**	**7.3**	**9**	**7.2**	**8.2**	**6.6**	**8**	**7.5**	**11**	**7.4**	**9.1**	**8.2**	**8.1**	**7.6**	**6.8**
Barium	mg/kg	400	**68B**	**89B**	**220B**	**140B**	**50B**	**85B**	**61B**	**99B**	**79B**	**60**	**71**	**59**	**53**	**90B**	**52B**	**56B**	**58B**	**86B**	**57B**	**120B**
Beryllium	mg/kg	72	**<0.37J**	**0.49**	**<0.36J**	**<0.36J**	**<0.35J**	**<0.46J**	**<0.31J**	**<0.33J**	**<0.3J**	**<0.34J**	**<0.3J**	**<0.3J**	**<0.29J**	**0.51**	**<0.38J**	**<0.39J**	**<0.34J**	**0.5**	**<0.36J**	**0.44**
Cadmium	mg/kg	4.3	<0.57U	<0.56U	<0.52U	<0.66U	<0.58U	<0.62U	<0.58U	<0.45U	<0.46U	<0.57U	<0.52U	<0.52U	<0.57U	<0.58U	<0.52U	<0.54U	<0.55U	<0.49U	<0.52U	<0.54U
Calcium	mg/kg	NA	**1,600**	**7,500B**	**9,000B**	**36,000B**	**4,400B**	**7,400B**	**18,000B**	**8,100B**	**17,000B**	**23,000**	**17,000**	**45,000**	**22,000**	**5,400B**	**16,000B**	**3,300B**	**8,100B**	**4,200B**	**4,000B**	**2,600B**
Chromium (III+VI)	mg/kg	110	**9.8**	**15**	**11**	**15**	**10**	**11**	**10**	**9**	**9.4**	**9.4**	**8.6**	**12**	**10**	**13**	**11**	**11**	**11**	**12**	**13**	**19**
Cobalt	mg/kg	NA	**6.8**	**8.6**	**6.8**	**8.5**	**7.4**	**7.8**	**6.7**	**7.7**	**7.4**	**6.8**	**5.9**	**6.4**	**5.9**	**9.5**	**7.5**	**7.7**	**7**	**8.9**	**7.1**	**7.7**
Copper	mg/kg	270	**24**	**42**	**59**	**23**	**23**	**34**	**62**	**19**	**29**	**21**	**38**	**22**	**25**	**26**	**17**	**22**	**23**	**23**	**21**	**21**
Cyanide Total	mg/kg	27	<0.16U	**<0.45J**	**0.65**	**<0.38J**	**<0.34J**	**<0.31J**	**<0.47J**	<0.16U	<0.16U	<0.17U	**0.68**	**<0.42J**	**<0.27J**	**<0.33J**	**<0.17J**	**<0.28J**	**<0.36J**	**1.2**	**1.4**	**<0.29J**
Iron	mg/kg	NA	**25,000**	**22,000**	**25,000**	**20,000**	**19,000**	**20,000**	**22,000**	**21,000**	**18,000**	**16,000**	**17,000**	**17,000**	**16,000**	**21,000**	**19,000**	**21,000**	**19,000**	**21,000**	**20,000**	**21,000**
Lead	mg/kg	400	**9.2**	**54**	**450**	**56**	**16**	**35**	**22**	**9.8**	**17**	**39**	**20**	**17**	**11**	**440**	**13**	**12**	**12**	**22**	**17**	**16**
Magnesium	mg/kg	NA	**2,400**	**3,600**	**2,400**	**4,500**	**3,600**	**3,400**	**4,300**	**3,100**	**6,000**	**3,000**	**5,000**	**7,600**	**7,100**	**3,400**	**4,500**	**2,900**	**2,800**	**3,000**	**2,800**	**2,600**
Manganese	mg/kg	2000	**760**	**470**	**380**	**2,100**	**770**	**480**	**520**	**970**	**1,200**	**350**	**420**	**430**	**640**	**520**	**440**	**450**	**700**	**550**	**430**	**770**
Mercury	mg/kg	0.81	**<0.017J**	**<0.033J**	**<0.018J**	**<0.028J**	**<0.013J**	**<0.027J**	**<0.023J**	<0.012U	<0.011U	**<0.028J**	**<0.019J**	**<0.017J**	**<0.02J**	**<0.021J**	**<0.016J**	**<0.013J**	<0.011U	**<0.033J**	**<0.018J**	**<0.02J**
Nickel	mg/kg	310	**20**	**61B**	**110B**	**30B**	**17B**	**23B**	**17B**	**19B**	**18B**	**17B**	**27B**	**20B**	**17B**	**29B**	**16B**	**18B**	**18B**	**24B**	**20B**	**23B**
Potassium	mg/kg	NA	**600B**	**680**	**<470J**	**<650J**	**690**	**650**	**590**	**640**	**550**	**580B**	**540B**	**590B**	**740B**	**690**	**520**	**680**	**670**	**650**	**540**	**610**
Selenium	mg/kg	180	**<0.35J**	<0.3U	**<0.44J**	**<1.2J**	<0.31U	<0.33U	<0.31U	**<0.48J**	**<0.6J**	<0.31U	**<0.6J**	**<0.71J**	**<0.33J**	**<0.36J**	**<0.31J**	<0.29U	**<0.3J**	<0.26U	**<0.53J**	**<0.45J**
Sodium	mg/kg	NA	<570U	<560U	<520U	<660U	<580U	<620U	<580U	<450U	<460U	<570U	<520U	<520U	<570U	<580U	<520U	<540U	<550U	<490U	<520U	<540U
Vanadium	mg/kg	NA	**14B**	**14**	**11**	**13**	**13**	**12**	**12**	**11**	**10**	**11**	**11**	**12**	**11**	**14**	**15**	**13**	**12**	**13**	**14**	**13**
Zinc	mg/kg	10000	**98B**	**86B**	**64B**	**64B**	**56B**	**70B**	**73B**	**75B**	**69B**	**59B**	**63B**	**55B**	**56B**	**65B**	**51B**	**56B**	**110B**	**62B**	**59B**	**61B**
Organochlorine Pesticides	**Units**	**SCOs**																				
4,4-DDE	mg/kg	8.9	<0.00028U	<0.00028U	<0.00028U	<0.00034U	<0.00028U	<0.002U	<0.00028U	<0.00027U	<0.00027U	<0.00029U	<0.00027U	<0.00027U	<0.00028U	<0.00028U	<0.00027U	<0.00027U	<0.00028U	<0.00027U	<0.00027U	<0.00028U
Aldrin	mg/kg	0.097	<0.00034U	<0.00033U	<0.00033U	<0.0004U	<0.00033U	<0.00035U	<0.00033U	<0.00033U	<0.00032U	<0.00034U	<0.00032U	0.0088U	<0.00033U	<0.00034U	<0.00032U	<0.00032U	<0.00033U	<0.00032U	<0.00032U	<0.00034U
Aldrin + Dieldrin	mg/kg	NA	**<0.00065**	**<0.00108**	**<0.00064**	**<0.00077**	**<0.00064**	**<0.00104**	**<0.00064**	**<0.00063**	**<0.00062**	**<0.00066**	**<0.00063**	**0.0097**	**<0.00064**	**<0.00065**	**<0.00062**	**<0.00061**	**<0.00063**	**<0.00067**	**<0.00062**	**<0.00065**
b-BHC	mg/kg	0.36	<0.00049U	<0.00047U	<0.00048U	<0.00058U	<0.00048U	<0.00051U	<0.00048U	<0.00047U	<0.00046U	<0.00049U	<0.00047U	<0.0019U	<0.00048U	<0.00049U	<0.00047U	<0.00046U	<0.00047U	<0.00046U	<0.00046U	<0.00049U
Chlordane (cis)	mg/kg	4.2	<0.00037U	<0.00036U	<0.00037U	<0.00045U	<0.00037U	<0.00039U	<0.00037U	<0.00036U	<0.00035U	<0.00038U	<0.00036U	<0.0019U	<0.00036U	<0.00037U	<0.00036U	<0.00035U	<0.00036U	<0.00035U	<0.00035U	<0.00037U
Chlordane (trans)	mg/kg	NA	<0.00037U	0.0039U	<0.0019U	<0.00044U	<0.00036U	<0.002U	<0.0019U	<0.00036U	<0.00035U	<0.00038U	0.0036U	0.035U	0.0033U	0.0031U	<0.0018U	<0.00035U	<0.00036U	<0.0018U	<0.00035U	<0.00037U
d-BHC	mg/kg	100	<0.00029U	<0.0019U	<0.0019U	<0.00034U	<0.00028U	<0.0003U	<0.00028U	<0.00028U	<0.00027U	<0.00029U	<0.00028U	<0.00028U	**<0.0013J**	<0.0019U	<0.00028U	<0.00027U	<0.00028U	<0.00027U	<0.00027U	<0.00029U
DDD	mg/kg	13	<0.00025U	<0.0019U	<0.0019U	<0.00029U	<0.00024U	<0.002U	<0.00024U	<0.00024U	<0.00023U	<0.00025U	<0.00024U	<0.0019U	<0.00024U	<0.0019U	<0.00024U	<0.00023U	<0.00024U	<0.0018U	<0.00023U	<0.00025U
DDT	mg/kg	7.9	<0.00028U	<0.0019U	<0.0019U	<0.00034U	<0.00028U	0.002U	**<0.0018J**	<0.00027U	<0.00027U	<0.0019U	**0.0051**	0.003U	**0.0027**	<0.0019U	<0.00027U	<0.00026U	<0.00027U	<0.0018U	<0.00027U	<0.00028U
DDT+DDE+DDD	mg/kg	NA	**<0.00081**	**<0.00235**	**<0.00188**	**<0.00097**	**<0.0008**	**0.002675**	**<0.00232**	**<0.00078**	**<0.00077**	**<0.00204**	**0.005355**	**0.003345**	**0.00296**	**<0.00164**	**<0.00078**	**<0.00076**	**<0.00079**	**<0.00181**	**<0.00077**	**<0.00081**
Dieldrin	mg/kg	0.2	<0.00031U	<0.0019U	<0.00031U	<0.00037U	<0.00031U	<0.002U	<0.00031U	<0.0003U	<0.0003U	<0.00032U	<0.0018U	**<0.0018J**	<0.00031U	<0.00031U	<0.0003U	<0.00029U	<0.0003U	<0.0018U	<0.0003U	<0.00031U
Endosulfan I	mg/kg	24	<0.00035U	**<0.00067J**	<0.00035U	<0.00042U	<0.00035U	<0.00037U	<0.00035U	<0.00034U	<0.00034U	<0.00036U	**<0.00043J**	**0.0032**	**<0.00044J**	**<0.0005J**	<0.00034U	<0.00033U	<0.00034U	<0.00034U	<0.00033U	<0.00035U
Endosulfan II	mg/kg	24	<0.00033U	<0.00032U	<0.00033U	<0.0004U	<0.00033U	<0.00034U	<0.00033U	<0.00032U	<0.00031U	<0.00034U	<0.00032U	<0.0019U	<0.00032U	<0.00033U	<0.00032U	<0.00031U	<0.00032U	<0.00032U	<0.00031U	<0.00033U
Endosulfan sulphate	mg/kg	24	<0.0002U	<0.0019U	<0.0019U	<0.00023U	<0.00019U	<0.0002U	<0.00019U	<0.00019U	<0.00019U	<0.0002U	<0.0018U	0.0019U	<0.0019U	<0.0019U	<0.00019U	<0.00018U	<0.00019U	<0.00019U	<0.00019U	<0.0002U
Endrin	mg/kg	11	<0.00036U	0.0049U	<0.0019U	<0.00044U	<0.00036U	**<0.0014J**	<0.0019U	<0.00035U	<0.00035U	**<0.00076J**	0.0023U	0.0094U	<0.0019U	0.0027U	<0.0018U	<0.00048U	<0.00035U	<0.0018U	<0.00034U	<0.00037U
Endrin aldehyde	mg/kg	NA	<0.00036U	<0.00035U	<0.00036U	<0.00044U	<0.00036U	<0.00038U	<0.00036U	<0.00035U	<0.00035U	<0.00037U	<0.00035U	<0.0019U	<0.00036U	<0.00037U	<0.00035U	<0.00034U	<0.00036U	<0.00035U	<0.00035U	<0.00037U
Endrin ketone	mg/kg	NA	<0.00029U	<0.0019U	<0.00029U	<0.00035U	<0.00029U	<0.0003U	<0.00029U	<0.00028U	<0.00028U	<0.0003U	<0.0018U	<0.00028U	<0.0019U	<0.0019U	<0.00028U	<0.00027U	<0.00028U	<0.00028U	<0.00028U	<0.00029U
g-BHC (Lindane)	mg/kg	1.3	<0.00033U	<0.00032U	<0.00032U	<0.00039U	<0.00032U	**<0.00058J**	<0.00032U	<0.00032U	<0.00031U	<0.00033U	<0.00032U	<0.00032U	<0.00032U	<0.00033U	<0.00032U	<0.00031U	<0.00032U	**<0.00041J**	<0.00031U	<0.00033U
Heptachlor	mg/kg	2.1	<0.00042U	<0.0019U	<0.00041U	<0.0005U	<0.00041U	<0.00043U	<0.00041U	<0.0004U	<0.0004U	<0.00042U	<0.0004U	<0.0004U	<0.00041U	<0.00042U	<0.0004U	<0.00039U	<0.00041U	<0.0004U	<0.0004U	<0.00042U
Heptachlor epoxide	mg/kg	NA	<0.00037U	0.002U	<0.00036U	<0.00044U	<0.00036U	<0.002U	<0.0019U	<0.00035U	<0.00035U	<0.0019U	0.0022U	0.028U	0.004U	<0.0019U	<0.00035U	<0.00034U	<0.00036U	<0.00035U	<0.00035U	<0.00037U
Methoxychlor	mg/kg	NA	<0.00039U	<0.00038U	<0.0037U	<0.00047U	<0.00039U	<0.0039U	<0.00038U	<0.00038U	<0.00037U	<0.0038U	<0.00038U	0.0071U	<0.0036U	<0.0019U	<0.00037U	<0.00037U	<0.00038U	<0.00037U	<0.00037U	<0.00039U
PCBs	**Units**	**SCOs**																				
Arochlor 1248	mg/kg	NA	<0.0018U	**0.32**	**0.081**	<0.0021U	<0.0017U	**0.045**	**0.069**	<0.0017U	<0.0017U	**0.039**	**0.38**	**1.6**	**0.29**	**0.18**	**0.037**	**0.028**	**0.022**	**0.058**	<0.0017U	<0.0018U
Arochlor 1254	mg/kg	NA	<0.0027U	<0.0026U	<0.0026U	<0.0032U	<0.0026U	<0.0028U	<0.0026U	<0.0026U	<0.0025U	<0.0027U	<0.0026U	<0.0026U	<0.0026U	<0.0027U	<0.0026U	<0.0025U	<0.0026U	<0.0025U	<0.0025U	<0.0027U
Arochlor 1260	mg/kg	NA	<0.0027U	**0.071**	**0.028**	<0.0032U	<0.0026U	**0.041**	**<0.015J**	<0.0026U	<0.0025U	**<0.0098J**	**0.029**	**0.13**	**0.022**	**0.039**	**<0.0077J**	**<0.0071J**	**<0.0047J**	**0.021**	<0.0025U	<0.0027U
Arochlor 1262	mg/kg	NA	<0.0041U	<0.004U	<0.0041U	<0.0049U	<0.0041U	<0.0043U	<0.004U	<0.004U	<0.0039U	<0.0042U	<0.004U	<0.004U	<0.004U	<0.0041U	<0.0039U	<0.0039U	<0.004U	<0.0039U	<0.0039U	<0.0041U
PCBs Total	mg/kg	1	ND	**0.391**	**0.109**	ND	ND	**0.086**	**0.069**	ND	ND	**0.039**	**0.409**	**1.73**	**0.312**	**0.219**	**0.037**	**0.028**	**0.022**	**0.079**	ND	ND
SVOCs	**Units**	**SCOs**																				
2-methylnaphthalene	mg/kg	NA	<0.0068U	**<0.045J**	**<0.024J**	<0.0081U	<0.0067U	**<0.027J**	**<0.0086J**	<0.0065U	<0.0064U	**<0.019J**	**<0.014J**	**<0.0076J**	<0.0066U	**<0.021J**	<0.0065U	<0.0064U	<0.0065U	**<0.037J**	<0.0064U	<0.0068U
Acenaphthene	mg/kg	100	<0.0073U	**<0.037J**	<0.0071U	<0.0086U	<0.0071U	**<0.057J**	<0.007U	<0.007U	<0.0069U	**<0.04J**	<0.0069U	<0.007U	<0.0071U	<0.0072U	<0.0069U	<0.0068U	<0.007U	**0.13**	<0.0068U	<0.0072U
Acenaphthylene	mg/kg	100	<0.0087U	**<0.029J**	<0.0085U	<0.01U	<0.0085U	**<0.034J**	<0.0084U	<0.0083U	<0.0082U	**<0.031J**	**<0.0089J**	<0.0083U	<0.0085U	<0.0086U	<0.0082U	<0.0081U	<0.0083U	<0.0083U	<0.0081U	<0.0086U
Anthracene	mg/kg	100	<0.0074U	**0.12**	<0.0072U	<0.0088U	<0.0072U	**0.11**	<0.0072U	<0.0071U	<0.007U	**0.15**	**<0.011J**	<0.0071U	<0.0072U	**<0.012J**	<0.007U	<0.0069U	<0.0071U	**0.22**	<0.0069U	<0.0074U
Benz(a)anthracene	mg/kg	1	<0.0095U	**0.57**	<0.0093U	<0.011U	<0.0093U	**0.32**	**<0.016J**	<0.0091U	<0.0089U	**0.42**	**<0.061J**	<0.0091U	<0.0093U	**<0.038J**	<0.009U	<0.0089U	<0.0091U	**0.34**	<0.0089U	<0.0094U
Benzo(a) pyrene	mg/kg	1	<0.0076U	**0.46**	<0.0074U	<0.009U	<0.0074U	**0.32**	**<0.017J**	<0.0073U	<0.0071U	**0.35**	**<0.068J**	<0.0073U	<0.0074U	**<0.036J**	<0.0072U	<0.0071U	<0.0073U	**0.29**	**<0.052J**	<0.0075U
Benzo(b)fluoranthene	mg/kg	1	<0.012U	**0.65**	<0.012U	<0.014U	<0.012U	**0.41**	**<0.025J**	<0.011U	<0.011U	**0.49**	**0.077**	<0.011U	<0.012U	**<0.042J**	<0.011U	<0.011U	<0.011U	**0.3**	**<0.051J**	<0.012U
Benzo(g,h,i)perylene	mg/kg	100	<0.0075U	**0.29**	<0.0074U	<0.0089U	<0.0074U	**0.26**	**<0.028J**	<0.0072U	<0.0071U	**0.23**	**<0.059J**	<0.0072U	<0.0073U	**<0.032J**	<0.0072U	<0.0071U	<0.0072U	**0.23**	**0.12**	<0.0075U
Benzo(k)fluoranthene	mg/kg	3.9	<0.015U	**0.21**	<0.015U	<0.018U	<0.015U	**0.12**	<0.015U	<0.015U	<0.014U	**0.15**	**<0.034J**	<0.015U	<0.015U	**<0.021J**	<0.015U	<0.014U	<0.015U	**0.18**	<0.014U	<0.015U
Bis(2-ethylhexyl) phthalate	mg/kg	NA	<0.061U	<0.059U	<0.06U	<0.073U	<0.06U	<0.063U	<0.059U	<0.059U	<0.058U	<0.062U	<0.058U	<0.059U	<0.06U	<0.06U	<0.058U	<0.057U	<0.059U	<0.059U	<0.057U	<0.061U
Butyl benzyl phthalate	mg/kg	NA	<0.052U	<0.05U	<0.051U	<0.061U	<0.051U	<0.053U	<0.05U	<0.05U	<0.049U	<0.052U	<0.049U	<0.05U	<0.05U	<0.051U	<0.049U	<0.049U	<0.05U	<0.05U	<0.048U	<0.052U
Carbazole	mg/kg	NA	<0.007U	**<0.044J**	<0.0068U	<0.0083U	<0.0068U	**<0.05J**	<0.0068U	<0.0067U	<0.0066U	**<0.052J**	<0.0067U	<0.0067U	<0.0068U	<0.0069U	<0.0066U	<0.0065U	<0.0067U	**0.093**	<0.0065U	<0.0069U
Chrysene	mg/kg	3.9	<0.009U	**0.53**	<0.0088U	<0.011U	<0.0088U	**0.3**	**<0.02J**	<0.0087U	<0.0085U	**0.42**	**<0.06J**	<0.0087U	<0.0088U	**<0.046J**	<0.0086U	<0.0085U	<0.0087U	**0.34**	<0.0084U	<0.009U
Dibenz(a,h)anthracene	mg/kg	0.33	<0.0084U	**<0.069J**	<0.0082U	<0.01U	<0.0082U	**<0.068J**	<0.0082U	<0.0081U	<0.0079U	**<0.072J**	<0.008U	<0.0081U	<0.0082U	<0.0083U	<0.008U	<0.0079U	<0.0081U	**<0.055J**	**0.083**	<0.0084U

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN SUBSURFACE BORINGS

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			**EHS - F and G Wings**																			
Sample Location			**SSHS-B91**	**SSHS-B92**	**SSHS-B92**	**SSHS-B92**	**SSHS-B92**	**SSHS-B93**	**SSHS-B93**	**SSHS-B93**	**SSHS-B93**	**SSHS-B94**	**SSHS-B94**	**SSHS-B94**	**SSHS-B94**	**SSHS-B95**	**SSHS-B95**	**SSHS-B95**	**SSHS-B95**	**SSHS-B96**	**SSHS-B96**	**SSHS-B96**
Depth Interval Sampled [ft]			**10-15**	**0.17-2**	**2-6**	**6-10**	**10-16**	**0.17-2**	**2-6**	**6-10**	**10-16**	**0.17-2**	**2-6**	**6-10**	**10-16**	**0.17-2**	**2-6**	**6-10**	**10-16**	**0.17-2**	**2-6**	**6-10**
Date Sampled			**8/13/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**
Dibenzofuran	mg/kg	59	<0.037U	<0.036U	<0.036U	<0.044U	<0.036U	<0.038U	<0.036U	<0.036U	<0.035U	<0.037U	<0.036U	<0.036U	<0.036U	<0.037U	<0.035U	<0.035U	<0.036U	**<0.065J**	<0.035U	<0.037U
Di-n-octyl phthalate	mg/kg	NA	<0.04U	<0.039U	<0.039U	<0.047U	<0.039U	<0.041U	<0.039U	<0.038U	<0.038U	<0.04U	<0.038U	<0.038U	<0.039U	<0.039U	<0.038U	<0.037U	<0.038U	<0.038U	<0.037U	<0.04U
Fluoranthene	mg/kg	100	<0.0081U	**0.98**	**<0.052J**	<0.0096U	<0.0079U	**0.63**	**<0.02J**	<0.0078U	<0.0076U	**0.89**	**0.083**	**<0.021J**	<0.0079U	**<0.074J**	<0.0077U	<0.0076U	<0.0078U	**0.85**	**<0.021J**	**<0.021J**
Fluorene	mg/kg	100	<0.01U	**<0.038J**	<0.0098U	<0.012U	<0.0098U	**<0.051J**	<0.0097U	<0.0096U	<0.0094U	**<0.04J**	<0.0095U	<0.0096U	<0.0097U	<0.0099U	<0.0095U	<0.0094U	<0.0096U	**0.1**	<0.0093U	<0.0099U
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	<0.0078U	**0.24**	<0.0076U	<0.0093U	<0.0076U	**0.23**	**<0.02J**	<0.0075U	<0.0073U	**0.19**	**<0.056J**	<0.0075U	<0.0076U	**<0.024J**	<0.0074U	<0.0073U	<0.0075U	**0.17**	**0.072**	<0.0078U
Naphthalene	mg/kg	100	<0.0065U	**<0.031J**	**<0.022J**	<0.0077U	<0.0064U	**<0.073J**	<0.0063U	<0.0063U	<0.0061U	**<0.027J**	**<0.019J**	<0.0063U	<0.0064U	**<0.02J**	<0.0062U	<0.0061U	<0.0063U	**<0.044J**	<0.0061U	<0.0065U
N-nitrosodi-n-propylamine	mg/kg	NA	<0.0089U	<0.0086U	<0.0087U	<0.011U	<0.0087U	<0.0092U	<0.0086U	<0.0085U	<0.0084U	<0.0089U	<0.0085U	<0.0085U	<0.0087U	<0.0088U	<0.0084U	<0.0083U	<0.0085U	<0.0085U	<0.0083U	<0.0088U
Phenanthrene	mg/kg	100	<0.012U	**0.59**	**0.081**	<0.014U	<0.012U	**0.43**	**<0.016J**	<0.012U	<0.011U	**0.58**	**<0.057J**	**<0.022J**	<0.012U	**<0.057J**	<0.011U	<0.011U	<0.012U	**0.84**	**<0.027J**	<0.012U
Pyrene	mg/kg	100	<0.0076U	**0.98**	**<0.072J**	<0.0091U	<0.0075U	**0.52**	**<0.021J**	<0.0074U	<0.0072U	**0.77**	**0.085**	**<0.02J**	<0.0075U	**<0.067J**	<0.0073U	<0.0072U	<0.0073U	**0.72**	**<0.023J**	**<0.02J**
VOCs	**Units**	**SCOs**																				
1,1-dichloroethene	mg/kg	100	<0.0007U	<0.00078U	<0.00078U	<0.0008U	<0.00072U	<0.00076U	<0.00093U	<0.00076U	<0.00089U	<0.0007U	<0.00071U	<0.00069U	<0.00074U	<0.0007U	<0.00075U	<0.0008U	<0.00078U	<0.00082U	<0.00078U	<0.00075U
Acetone	mg/kg	100	<0.0041U	<0.0046U	<0.0046U	<0.0047U	<0.0042U	<0.0045U	<0.0055U	<0.0045U	<0.0053U	<0.0041U	<0.0042U	<0.0041U	<0.0044U	<0.0041U	<0.0044U	<0.0047U	<0.0046U	**0.14**	**0.018**	**0.051**
cis-1,2-dichloroethene	mg/kg	100	<0.00058U	<0.00065U	**0.0082**	**0.012**	**0.029**	<0.00063U	<0.00077U	<0.00063U	<0.00074U	<0.00058U	<0.00059U	**<0.0031J**	**<0.00069J**	<0.00058U	<0.00062U	<0.00066U	<0.00065U	<0.00068U	<0.00064U	<0.00062U
Cyclohexane	mg/kg	NA	<0.00031U	<0.00034U	<0.00034U	<0.00035U	<0.00031U	<0.00033U	<0.00041U	<0.00033U	<0.00039U	<0.00031U	<0.00031U	<0.0003U	<0.00032U	<0.00031U	<0.00033U	<0.00035U	<0.00034U	<0.00036U	<0.00034U	<0.00033U
Freon 113	mg/kg	NA	<0.00088U,*	<0.00098U	<0.00098U	<0.001U	<0.0009U	<0.00096U	<0.0012U	<0.00096U	<0.0011U	<0.00089U	<0.00089U	<0.00087U	<0.00093U	<0.00088U	<0.00094U	<0.001U	<0.00098U	<0.001U	<0.00098U	<0.00094U
Methyl acetate	mg/kg	NA	<0.00074U	<0.00083U	<0.00083U	<0.00085U	<0.00076U	<0.00081U	<0.00099U	<0.00081U	<0.00095U	<0.00075U	<0.00075U	<0.00074U	<0.00079U	<0.00074U	<0.00079U	<0.00085U	<0.00083U	<0.00087U	<0.00082U	<0.00079U
Trichloroethene	mg/kg	21	<0.00054U	**0.061**	**0.16**	**0.041**	**0.081**	<0.00059U	**<0.0029J**	**0.0071**	**0.0055**	**<0.0017J**	**0.0095**	**0.067**	**0.041**	**<0.0029J**	**0.015**	**<0.0011J**	**<0.0018J**	**<0.00067J**	**<0.0023J**	**<0.0023J**

Notes:

J: estimated value

U: non-detect

E: result exceeded calibration range

mg/kg: milligrams per kilogram

- : not analyzed

PCBs: polychlorinated biphenyls

SVOCs: semi-volatile organic compounds

VOCs: volatile organic compounds

SCOs Restricted Residential Soil Cleanup Objectives presented in 6 New York State Department of Environmental Conservation Subpart 375

ND: none of the individual Arochlors were detected above the method detection limit

Detections are presented in bold.

Concentrations detected above the SCOs are presented in gray

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN SUBSURFACE BORINGS

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			EHS F and G Wings								
Sample Location			SSHS-B96	SSHS-B97	SSHS-B97	SSHS-B97	SSHS-B97	SSHS-B98	SSHS-B98	SSHS-B98	SSHS-B98
Depth Interval Sampled [ft]			10-15.5	0.17-2	2-6	6-10	10-16	0.17-2	2-6	6-10	10-12
Date Sampled			8/12/2014	8/13/2014	8/13/2014	8/13/2014	8/13/2014	8/13/2014	8/13/2014	8/13/2014	8/13/2014
Inorganics	**Units**	**SCOs**									
Aluminum	mg/kg	NA	**8,300**	**10,000**	**9,500**	**8,200**	**7,500**	**6,500**	**8,500**	**8,300**	**11,000**
Antimony	mg/kg	NA	<0.21U	<0.22U	<0.2UJ	<0.21U	<0.21U	**<0.29J**	<0.2U	<0.22U	<0.24U
Arsenic	mg/kg	16	**8**	**8.4**	**8**	**8.1**	**6.7**	**10**	**9.2**	**8**	**6.3**
Barium	mg/kg	400	**66B**	**85B**	**71**	**63**	**56**	**130B**	**52B**	**63B**	**130B**
Beryllium	mg/kg	72	**<0.35J**	**0.51**	**<0.4J**	**<0.33J**	**<0.31J**	**<0.34J**	**0.43**	**<0.38J**	**0.51**
Cadmium	mg/kg	4.3	<0.53U	<0.55U	**<0.047J**	**<0.045J**	**<0.072J**	<0.57U	<0.51U	<0.55U	<0.6U
Calcium	mg/kg	NA	**2,400B**	**14,000**	**22,000**	**22,000**	**8,600**	**3,500**	**900**	**10,000**	**3,000**
Chromium (III+VI)	mg/kg	110	**15**	**13**	**13B**	**10B**	**11B**	**12**	**21**	**11J**	**13**
Cobalt	mg/kg	NA	**7.1**	**9.2**	**7.4**	**7.6**	**6.2**	**7.8**	**7.7**	**6.9**	**7.4**
Copper	mg/kg	270	**30**	**18**	**23J**	**22**	**33**	**36**	**89**	**30J**	**23**
Cyanide Total	mg/kg	27	**<0.21J**	<0.18U	**1.8**	<0.15U	**0.71**	**13**	**<0.17J**	**<0.55J**	**<0.29J**
Iron	mg/kg	NA	**20,000**	**21,000**	**19,000**	**20,000**	**19,000**	**32,000**	**19,000**	**19,000**	**20,000**
Lead	mg/kg	400	**13**	**15**	**18**	**9.8**	**9**	**120**	**19**	**16**	**13**
Magnesium	mg/kg	NA	**2,500**	**3,700**	**3,900J**	**4,700**	**4,500**	**2,100**	**2,200**	**3,900**	**2,700**
Manganese	mg/kg	2000	**540**	**490**	**400**	**410**	**450**	**690**	**390**	**420**	**280**
Mercury	mg/kg	0.81	<0.011U	**<0.027J**	**<0.022J**	**<0.015J**	**<0.015J**	**<0.037J**	**<0.025J**	**<0.026J**	**<0.025J**
Nickel	mg/kg	310	**18B**	**21**	**19B**	**18B**	**17B**	**42**	**69**	**390**	**36**
Potassium	mg/kg	NA	**610**	**750B**	**740**	**800**	**700**	**690B**	**550B**	**610B**	**780B**
Selenium	mg/kg	180	<0.28U	**<0.51J**	**<0.49J**	<0.29U	**<0.47J**	**<0.87J**	**<0.49J**	**<0.46J**	**<0.5J**
Sodium	mg/kg	NA	<530U	<550U	<510U	<530U	<520U	<570U	<510U	<550U	<600U
Vanadium	mg/kg	NA	**12**	**14B**	**14**	**12**	**12**	**16B**	**13B**	**14B**	**15B**
Zinc	mg/kg	10000	**57B**	**57B**	**59B**	**62B**	**89B**	**62B**	**67B**	**79B**	**55B**
Organochlorine Pesticides	**Units**	**SCOs**									
4,4-DDE	mg/kg	8.9	<0.00027U	<0.0003U	**0.016**	<0.00027U	<0.00027U	<0.00032U	<0.00028U	<0.00028U	<0.00032U
Aldrin	mg/kg	0.097	<0.00032U	<0.00036U	<0.00033U	<0.00032U	<0.00032U	<0.00038U	<0.00033U	<0.00034U	<0.00038U
Aldrin + Dieldrin	mg/kg	NA	**<0.00061**	**<0.00069**	**<0.00064**	**<0.00062**	**<0.00062**	**<0.00073**	**<0.00064**	**<0.00065**	**<0.00073**
b-BHC	mg/kg	0.36	<0.00046U	<0.00052U	<0.00048U	<0.00046U	<0.00047U	<0.00055U	<0.00048U	<0.00049U	<0.00055U
Chlordane (cis)	mg/kg	4.2	<0.00035U	<0.0004U	<0.0019U	<0.00035U	<0.00036U	<0.00042U	<0.00036U	<0.00037U	<0.00042U
Chlordane (trans)	mg/kg	NA	<0.00035U	<0.0004U	0.002U	<0.00035U	<0.00036U	0.0068U	<0.00036U	<0.00037U	<0.00042U
d-BHC	mg/kg	100	<0.00027U	<0.00031U	<0.00028U	<0.00027U	<0.00028U	<0.00032U	<0.00028U	<0.00029U	<0.00033U
DDD	mg/kg	13	<0.00023U	<0.00026U	**0.0063**	<0.00023U	<0.00024U	<0.0022U	**<0.00047J**	<0.00025U	<0.00028U
DDT	mg/kg	7.9	<0.00026U	**<0.00046J**	**0.18**	<0.00027U	**<0.00045J**	**0.01**	<0.00027U	<0.00028U	<0.00032U
DDT+DDE+DDD	mg/kg	NA	**<0.00076**	**<0.00102**	**0.2023**	**<0.00077**	**<0.00096**	**0.01049**	**<0.00102**	**<0.00081**	**<0.00092**
Dieldrin	mg/kg	0.2	<0.00029U	<0.00033U	<0.00031U	<0.0003U	<0.0003U	<0.00035U	<0.00031U	<0.00031U	<0.00035U
Endosulfan I	mg/kg	24	<0.00033U	<0.00038U	<0.00035U	<0.00033U	<0.00034U	<0.0004U	<0.00034U	<0.00035U	<0.0004U
Endosulfan II	mg/kg	24	<0.00031U	<0.00035U	<0.0019U	<0.00031U	<0.00032U	<0.0022U	<0.00032U	<0.00033U	<0.00038U
Endosulfan sulphate	mg/kg	24	<0.00018U	<0.00021U	<0.00019U	<0.00019U	<0.00019U	<0.0022U	<0.00019U	<0.0002U	<0.00022U
Endrin	mg/kg	11	<0.00034U	<0.00039U	<0.0019U	<0.00035U	<0.00035U	0.0056U	<0.00036U	<0.00037U	<0.00041U
Endrin aldehyde	mg/kg	NA	<0.00034U	<0.00039U	<0.00036U	<0.00035U	<0.00035U	<0.00041U	<0.00036U	<0.00037U	<0.00041U
Endrin ketone	mg/kg	NA	<0.00028U	<0.00031U	<0.00029U	<0.00028U	<0.00028U	<0.00033U	<0.00029U	<0.00029U	<0.00033U
g-BHC (Lindane)	mg/kg	1.3	<0.00031U	<0.00035U	<0.00032U	<0.00031U	<0.00032U	<0.00037U	**<0.0006J**	<0.00033U	<0.00037U
Heptachlor	mg/kg	2.1	<0.00039U	<0.00045U	<0.00041U	<0.0004U	<0.0004U	<0.00047U	<0.00041U	<0.00042U	<0.00047U
Heptachlor epoxide	mg/kg	NA	<0.00034U	<0.00039U	<0.0019U	<0.00035U	<0.00035U	<0.0022U	<0.00036U	<0.00037U	<0.00041U
Methoxychlor	mg/kg	NA	<0.00037U	<0.00042U	<0.00038U	<0.00037U	<0.00038U	<0.0022U	<0.00038U	<0.00039U	<0.00044U
PCBs	**Units**	**SCOs**									
Arochlor 1248	mg/kg	NA	<0.0017U	<0.0019U	**0.056**	<0.0017U	<0.0017U	**0.26**	<0.0017U	<0.0018U	<0.002U
Arochlor 1254	mg/kg	NA	<0.0025U	<0.0029U	<0.0026U	<0.0025U	<0.0026U	<0.003U	<0.0026U	<0.0027U	<0.003U
Arochlor 1260	mg/kg	NA	<0.0025U	<0.0029U	**<0.016J**	<0.0025U	<0.0026U	**0.076**	<0.0026U	<0.0027U	<0.003U
Arochlor 1262	mg/kg	NA	<0.0039U	<0.0044U	<0.004U	<0.0039U	<0.004U	<0.0046U	<0.004U	<0.0041U	<0.0047U
PCBs Total	mg/kg	1	ND	ND	**0.056**	ND	ND	**0.336**	ND	ND	ND
SVOCs	**Units**	**SCOs**									
2-methylnaphthalene	mg/kg	NA	<0.0064U	<0.0072U	**<0.0079J**	<0.0063U	<0.0065U	**<0.017J**	**<0.007J**	<0.0068U	<0.0078U
Acenaphthene	mg/kg	100	<0.0068U	<0.0077U	<0.0071U	<0.0068U	<0.007U	<0.0082U	<0.007U	<0.0073U	<0.0083U
Acenaphthylene	mg/kg	100	<0.0082U	<0.0092U	<0.0085U	<0.0081U	<0.0083U	<0.0098U	**0.11**	<0.0087U	<0.0099U
Anthracene	mg/kg	100	**<0.013J**	<0.0079U	<0.0072U	<0.0069U	<0.0071U	**<0.025J**	**0.27**	**<0.012J**	<0.0084U
Benz(a)anthracene	mg/kg	1	**<0.025J**	**<0.024J**	**<0.015J**	<0.0088U	<0.0091U	**<0.079J**	**1**	**<0.059J**	**<0.037J**
Benzo(a) pyrene	mg/kg	1	**<0.034J**	**<0.021J**	<0.0074U	<0.007U	<0.0073U	**<0.074J**	**0.87**	**<0.057J**	**<0.08J**
Benzo(b)fluoranthene	mg/kg	1	**<0.022J**	**<0.026J**	<0.012U	<0.011U	<0.011U	**0.1**	**1**	**<0.068J**	**<0.073J**
Benzo(g,h,i)perylene	mg/kg	100	**<0.065J**	**<0.019J**	<0.0074U	<0.007U	<0.0072U	**<0.065J**	**0.67**	**<0.05J**	**<0.078J**
Benzo(k)fluoranthene	mg/kg	3.9	**<0.022J**	<0.016U	<0.015U	<0.014U	<0.015U	**<0.029J**	**0.37**	**<0.023J**	**<0.042J**
Bis(2-ethylhexyl) phthalate	mg/kg	NA	<0.058U	<0.065U	<0.06U	<0.057U	<0.059U	<0.069U	<0.059U	<0.061U	<0.07U
Butyl benzyl phthalate	mg/kg	NA	<0.049U	<0.055U	<0.051U	<0.048U	<0.05U	<0.058U	<0.05U	<0.052U	<0.059U
Carbazole	mg/kg	NA	<0.0066U	<0.0074U	<0.0068U	<0.0065U	<0.0067U	<0.0079U	**0.16**	<0.007U	<0.0079U
Chrysene	mg/kg	3.9	**<0.032J**	**<0.024J**	**<0.011J**	<0.0084U	<0.0087U	**0.1**	**0.94**	**<0.053J**	**<0.056J**
Dibenz(a,h)anthracene	mg/kg	0.33	**<0.037J**	<0.0089U	<0.0082U	<0.0078U	<0.0081U	<0.0095U	**0.17**	<0.0085U	<0.0096U

TABLE 9
SUMMARY OF DETECTED CONSTITUENTS IN SUBSURFACE BORINGS

Fomer Sperry Remington Site - North Portion
Elmira, New York

Site Area			EHS F and G Wings								
Sample Location			**SSHS-B96**	**SSHS-B97**	**SSHS-B97**	**SSHS-B97**	**SSHS-B97**	**SSHS-B98**	**SSHS-B98**	**SSHS-B98**	**SSHS-B98**
Depth Interval Sampled [ft]			**10-15.5**	**0.17-2**	**2-6**	**6-10**	**10-16**	**0.17-2**	**2-6**	**6-10**	**10-12**
Date Sampled			**8/12/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**	**8/13/2014**
Dibenzofuran	mg/kg	59	<0.035U	<0.04U	<0.036U	<0.035U	<0.036U	<0.042U	<0.036U	<0.037U	<0.042U
Di-n-octyl phthalate	mg/kg	NA	<0.038U	<0.042U	<0.039U	<0.037U	<0.038U	<0.045U	<0.038U	<0.04U	<0.045U
Fluoranthene	mg/kg	100	**<0.051J**	**<0.046J**	**<0.017J**	<0.0075U	<0.0078U	**0.14**	**2.1**	**0.11**	**<0.066J**
Fluorene	mg/kg	100	<0.0094U	<0.011U	<0.0098U	<0.0093U	<0.0096U	<0.011U	<0.0096U	<0.01U	<0.011U
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	**<0.033J**	**<0.016J**	<0.0076U	<0.0072U	<0.0075U	**<0.053J**	**0.58**	**<0.04J**	**<0.064J**
Naphthalene	mg/kg	100	<0.0061U	<0.0069U	**<0.014J**	<0.0061U	<0.0063U	<0.0074U	**<0.035J**	<0.0066U	<0.0074U
N-nitrosodi-n-propylamine	mg/kg	NA	<0.0084U	<0.0094U	<0.0087U	<0.0082U	<0.0085U	<0.01U	<0.0085U	<0.0089U	<0.01U
Phenanthrene	mg/kg	100	**<0.051J**	**<0.024J**	**<0.014J**	<0.011U	<0.012U	**0.087**	**0.8**	**<0.037J**	<0.014U
Pyrene	mg/kg	100	**<0.04J**	**<0.038J**	**<0.016J**	<0.0071U	<0.0074U	**0.12**	**1.8**	**0.088**	**<0.063J**
VOCs	**Units**	**SCOs**									
1,1-dichloroethene	mg/kg	100	<0.00071U	<0.00083U	<0.00085U	<0.00073U	<0.00073U	<0.001U	<0.00077U	<0.00088U	<0.00087U
Acetone	mg/kg	100	**0.017**	<0.0049U	<0.005U	<0.0043U	<0.0043U	**0.082**	<0.0045U	<0.0052U	<0.0051U
cis-1,2-dichloroethene	mg/kg	100	<0.00059U	<0.00069U	<0.0007U	<0.0006U	<0.00061U	<0.00085U	<0.00063U	<0.00073U	<0.00072U
Cyclohexane	mg/kg	NA	<0.00031U	<0.00036U	<0.00037U	<0.00032U	<0.00032U	<0.00045U	<0.00034U	<0.00039U	<0.00038U
Freon 113	mg/kg	NA	<0.00089U	<0.001U,*	<0.0011U,*	<0.00092U,*	<0.00092U,*	<0.0013U	<0.00096U,*	<0.0011U,*	<0.0011U,*
Methyl acetate	mg/kg	NA	<0.00075U	<0.00088U	<0.0009U	<0.00077U	<0.00078U	<0.0011U	<0.00081U	<0.00094U	<0.00092U
Trichloroethene	mg/kg	21	**<0.0016J**	<0.00064U	**<0.00076J**	<0.00057U	<0.00057U	<0.00079U	<0.00059U	<0.00069U	<0.00067U

Notes:

J: estimated value

U: non-detect

E: result exceeded calibration range

mg/kg: milligrams per kilogram

 - : not analyzed

PCBs: polychlorinated biphenyls

SVOCs: semi-volatile organic compounds

VOCs: volatile organic compounds

SCOs Restricted Residential Soil Cleanup Objectives presented in 6 New York State Department of Environmental Conservation Subpart 375

ND: none of the individual Arochlors were detected above the method detection limit

Detections are presented in bold.

Concentrations detected above the SCOs are presented in gray

TABLE 11
SUMMARY TABLE OF DETETECTED CONSTITUENTS IN GROUNDWATER

Fomer Sperry Remington Site - North Portion
Elmira, New York

Location ID			SSHS-B26-A	SSHS-B29-A	SSHS-B99	SSHS-B92	SSHS-B93	SSHS-B94	SSHS-B95	SSHS-B96	SSHS-B97	SSHS-B98	SSHS-MW8S	SSHS-MW13	SSHS-MW30	SSHS-MW10	SSHS-MW34	SSHS-MW38	SSHS-MW41
Date Sampled			**8/14/2014**	**8/13/2014**	**8/13/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/12/2014**	**8/13/2014**	**8/13/2014**	**8/20/2014**	**8/20/2014**	**8/21/2014**	**8/21/2014**	**8/22/2014**	**8/21/2014**	**8/22/2014**
DRO/GRO	**Units**	**TOGS 1.1.1 [µg/L]**																	
C6-C10	mg/L	NA	0.44J	0.3	1.6	-	-	-	-	-	-	-	<0.1U	<0.1U	<0.1U	-	-	-	-
Diesel Range Organics	mg/L	NA	220	130	250	-	-	-	-	-	-	-	1.2	0.7	13J	-	-	-	-
PCBs	**Units**	**TOGS 1.1.1 [µg/L]**																	
Arochlor 1248	µg/L	0.9	-	0.049	0.16	-	-	-	-	-	-	-	-	-	-	<0.0023U	1.4	<0.0023U	23
PCBs Total	µg/L	0.9	-	0.049	0.16	-	-	-	-	-	-	-	-	-	-	ND	1.4	ND	23
SVOCs	**Units**	**TOGS 1.1.1 [µg/L]**																	
Benz(a)anthracene	µg/L	0.002	3.7	<0.014U	6.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a) pyrene	µg/L	NA	0.59	<0.013UJ	0.87J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	NA	<0.015U	<0.014UJ	0.45J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl) phthalate	µg/L	5	<1.2U	3.9	<1.2U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	0.002	7J	<0.013U	7.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	µg/L	NA	<0.015U	<0.015UJ	0.32J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	50	1.2	<0.015U	<0.015U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-c,d)pyrene	µg/L	0.002	<0.019U	<0.019UJ	0.28J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	50	3.5J	<0.015U	<0.015U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOCs	**Units**	**TOGS 1.1.1 [µg/L]**																	
1,1-dichloroethane	µg/L	5	<0.12U	<2.9U	<0.12U	<0.12U	<0.12U	<0.12U	<0.12U	<0.12U	<0.12U	<0.12U	0.33J	<0.12U	<0.58U	-	-	-	-
Acetone	µg/L	50	4.7J	1,200	33J	<5U	6.8J	<5U	6.7J	<2.5U	32J	40J	<2.5U	<2.5U	14J	-	-	-	-
Benzene	µg/L	1	0.11J	<2.6U	0.26J	<0.11U	<0.11U	0.33J	<0.11U	<0.11U	<0.11U	<0.11U	<0.11U	<0.11U	<0.53U	-	-	-	-
cis-1,2-dichloroethene	µg/L	5	<0.24U	<5.9U	<0.24U	1.8	<0.24U	0.25J	<0.24U	<0.24U	<0.24U	<0.24U	77	<0.24U	350	-	-	-	-
Dichloromethane	µg/L	5	<0.13U	<25U	<0.13U	<0.13U	<0.13U	<0.13U	<0.13U	<0.13U	<0.13U	<0.13U	0.13J	<0.13U	<1.6U	-	-	-	-
Freon 113	µg/L	5	<0.32U	<8U	<0.32U	<0.32U	<0.32U	<0.32U	<0.32U	<0.32U	<0.32U	<0.32U	1.7 J	<0.32U	180	-	-	-	-
Isopropylbenzene	µg/L	5	0.18J	<4.1U	<0.16U	<0.16U	<0.16U	<0.16U	<0.16U	<0.16U	<0.16U	<0.16U	<0.16U	<0.16U	<0.82U	-	-	-	-
Methyl Ethyl Ketone	µg/L	NA	<0.55U	<14U	0.98J	<0.55U	<0.55U	<0.55U	<0.55U	<0.55U	<0.55U	<0.55U	<0.55U	<0.55U	<2.7U	-	-	-	-
Methylcyclohexane	µg/L	NA	0.58J	<6.5U	<0.26U	<0.26U	<0.26U	<0.26U	<0.26U	<0.26U	<0.26U	<0.26U	0.94J	<0.26U	<1.3U	-	-	-	-
Tetrachloroethene	µg/L	5	<0.15U	<3.7U	<0.15U	0.17J	0.3J	0.22J	0.3J	0.23J	<0.15U	0.18J	1.2J	<0.15U	24	-	-	-	-
Toluene	µg/L	5	0.24J	<3.8U	0.55J	<0.15U	<0.15U	0.36J	<0.15U	<0.15U	<0.15U	<0.15U	<0.15U	<0.15U	<0.75U	-	-	-	-
trans-1,2-dichloroethene	µg/L	5	<0.17U	<4.2U	<0.17U	<0.17U	<0.17U	<0.17U	<0.17U	<0.17U	<0.17U	<0.17U	0.51J	<0.17U	1.1J	-	-	-	-
Trichloroethene	µg/L	5	<0.14U	<3.6U	<0.14U	5.6	0.37J	8.9	0.37J	<0.14U	<0.14U	<0.14U	0.57J	<0.14U	17	-	-	-	-
Vinyl chloride	µg/L	2	<0.23U	<5.7U	<0.23U	<0.23U	<0.23U	<0.23U	<0.23U	<0.23U	<0.23U	<0.23U	1.2J	<0.23U	<1.1U	-	-	-	-

Notes:

J: estimated value

U: non-detect

UJ: approximate method detection limit

mg/L: milligrams per liter

µg/L: micrograms per liter

-: not analyzed

PCBs: polychlorinated biphenyls

SVOCs: semi-volatile organic compounds

VOCs: volatile organic compounds

TOGS 1.1.1: New York State Department of Environmental Conservation Subpart Technical Operation Guidance Series 1.1.1

ND: non-detection for a case without a reference lower reporting limit

Detections are presented in bold.

Concentrations detected above TOGS 1.1.1 are presented in gray

TABLE 12
SELECT VOCS FOR WELLS SSHS-MW-30 AND SSHS-MW-8S

Fomer Sperry Remington Site - North Portion
Elmira, New York

MW-30 Results													
Location ID	**TOGS 1.1.1 (µg/L)**	**MW-30**	**MW-30**	**MW-30**	**MW-30**	**MW-30**	**MW-30**	**MW-30**	**MW-30**	**MW-30**	**MW-30**	**MW-30**	**MW-30**
Date Sampled		**4/2/2002**	**6/19/2002**	**7/23/2002**	**5/20/2003**	**9/24/2003**	**6/1/2004**	**12/30/2004**	**6/28/2005**	**12/28/2005**	**5/25/2006**	**7/12/2007**	**8/21/2014**
Tetrachloroethene	5	52.8	-	70J	90	84	60	55	35	60	42	51	27
Trichloroethene	5	58.6	79	78J	92	88	59	57	35	87	50	61	24
cis-1,2-dichloroethene	5	631.8	940	670	740	360	320	230	200	520	500	550	350
Freon 113	5	5.8	21000J*	3100	2800	2400	2200	1200	ND	1400	-	2100	250

MW-8S Results													
Location ID	**TOGS 1.1.1 (µg/L)**	**MW-8S**	**MW-8S**	**MW-8S**	**MW-8S**	**MW-8S**	**MW-8S**	**MW-8S**	**MW-8S**	**MW-8S**	**MW-8S**	**MW-8S**	**MW-8S**
Date Sampled		**4/2/2002**	**6/19/2002**	**7/23/2002**	**5/20/2003**	**9/24/2003**	**6/1/2004**	**12/30/2004**	**6/28/2005**	**12/28/2005**	**5/25/2006**	**7/12/2007**	**8/20/2014**
Tetrachloroethene	5	ND	9	ND	ND	ND	ND	ND	3J	8.6	<300	5.8	<0.57J
Trichloroethene	5	ND	9	ND	ND	ND	ND	ND	3J	8.6	<300	5.8	<0.57J
cis-1,2-dichloroethene	5	461.9	2500	3000	2900	2800	4800	3200	220	2900	4300	470	81
Freon 113	5	-	14000J*	1900	1300	980	700	330	ND	890	-	670	1.8J

Notes:
J: estimated value
U: non-detect
ND: non-detect, reporting limit not available
µg/L: micrograms per liter
*: Freon was reported as total freons on 6/19/2002
TOGS 1.1.1: New York State Department of Environmental Conservation Subpart Technical Operation Guidance Series 1.1.1
Concentrations detected above TOGS 1.1.1 values are presented in gray

TABLE 13
SUMMARY OF FIELD GEOCHEMISTRY

Fomer Sperry Remington Site - North Portion
Elmira, New York

Analyte		**pH** *(S.U.)*	**Specific Conductance** *(µS/cm)*	**Oxidation/ Reduction Potential** *(mV)*	**Dissolved Oxygen** *(mg/L)*	**Temperature** *(°C)*	**Turbidity** *(NTU)*
Well ID	**Date/Time**						
MW-8S	8/20/2014 10:05	7.29	840	-155	6.6	16.9	35.8
MW-10	8/21/2014 14:15	6.46	910	1.6	1.9	15.1	13.8
MW-13	8/20/2014 13:20	6.79	1534	5.7	3.3	14.6	2.07
MW-30	8/20/2014 15:55	6.92	1509	41	2.6	19.2	NA*
MW-34	8/22/2014 11:35	6.74	878	-20	0.5	15.5	6.39
MW-38	8/21/2014 17:25	6.72	958	-28	4.4	15.8	53.1
MW-41	8/22/2014 13:30	7.19	988	-44	0.2	13.9	98

Notes:

Data collected using field instruments prior to sample collection

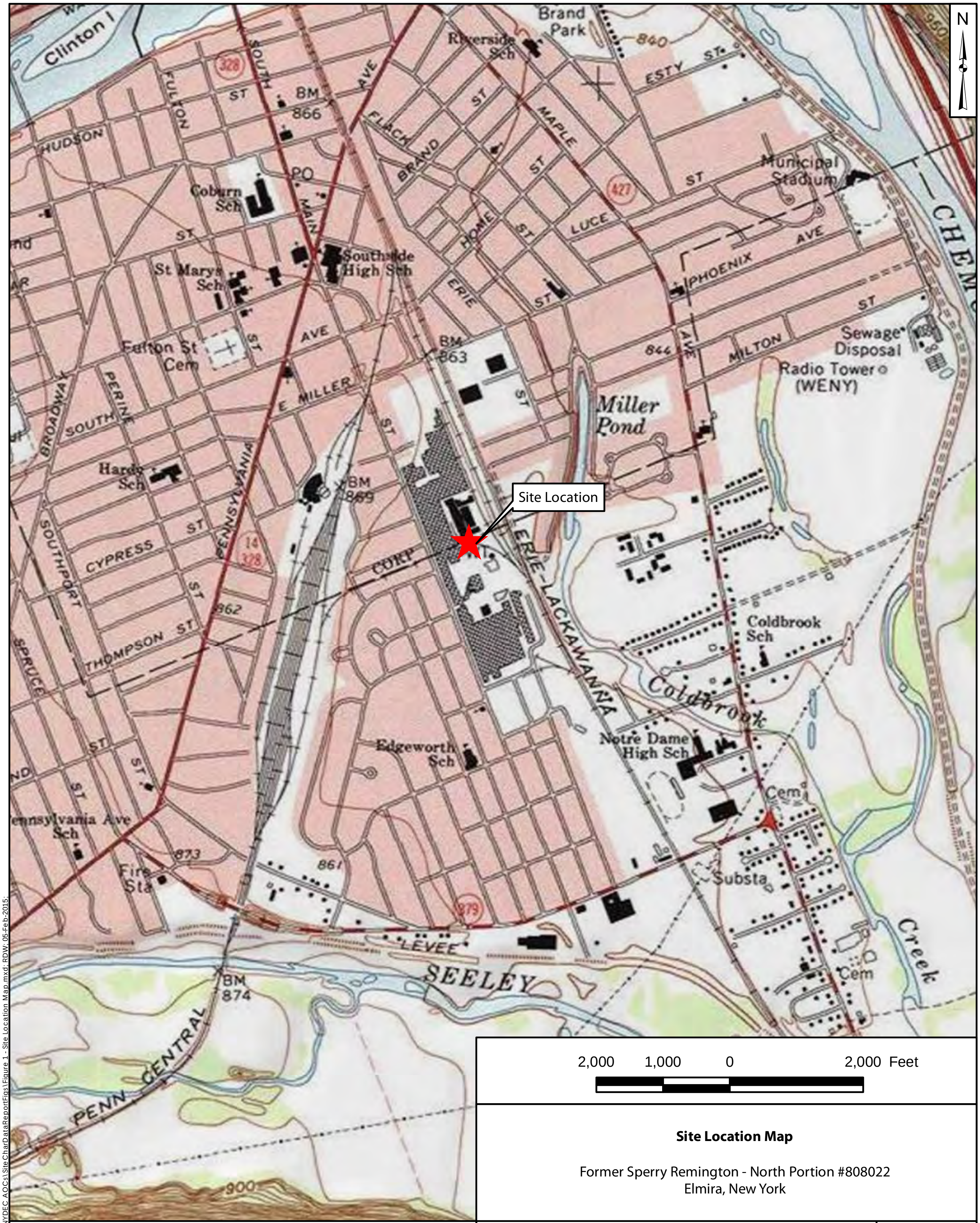
S.U. - Standard Units

µS/cm - Microsiemens per centimeter
mV - Millivolts

mg/L - Milligrams per liter

°C - Degrees celsius
NTU - Nephelometric Turbidity Units
NA* - Turbidity was out of range of equipment

FIGURES



Site Location Map

Former Sperry Remington - North Portion #808022
Elmira, New York

Notes:
Topographic map accessed via ArcGIS Online and provided by National Geographic Society and i-cubed on 5 February 2015. Elmira, New York Quadrangle (1971, photorevised 1976) is shown.

Geosyntec
consultants

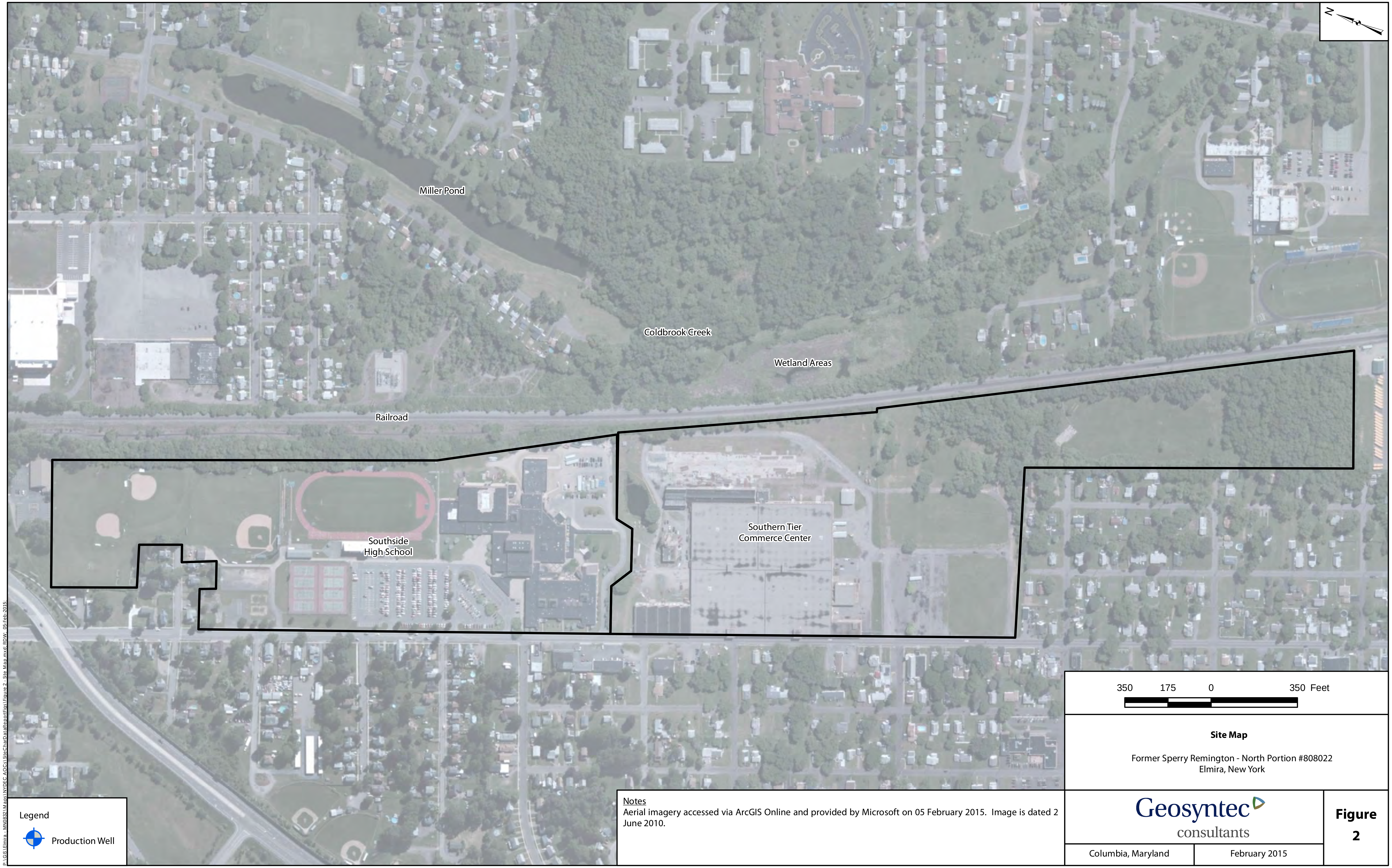
Columbia, Maryland

February 2015

Figure

1

P:\GIS\Elmira - MN0832\Maps\NYDEC AOCs\SiteCharDataReportFigs\Figure 1 - Site Location Map.mxd; RDW; 05-Feb-2015;



Notes
Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 05 February 2015. Image is dated 2 June 2010.

Site Map

Former Sperry Remington - North Portion #808022
Elmira, New York

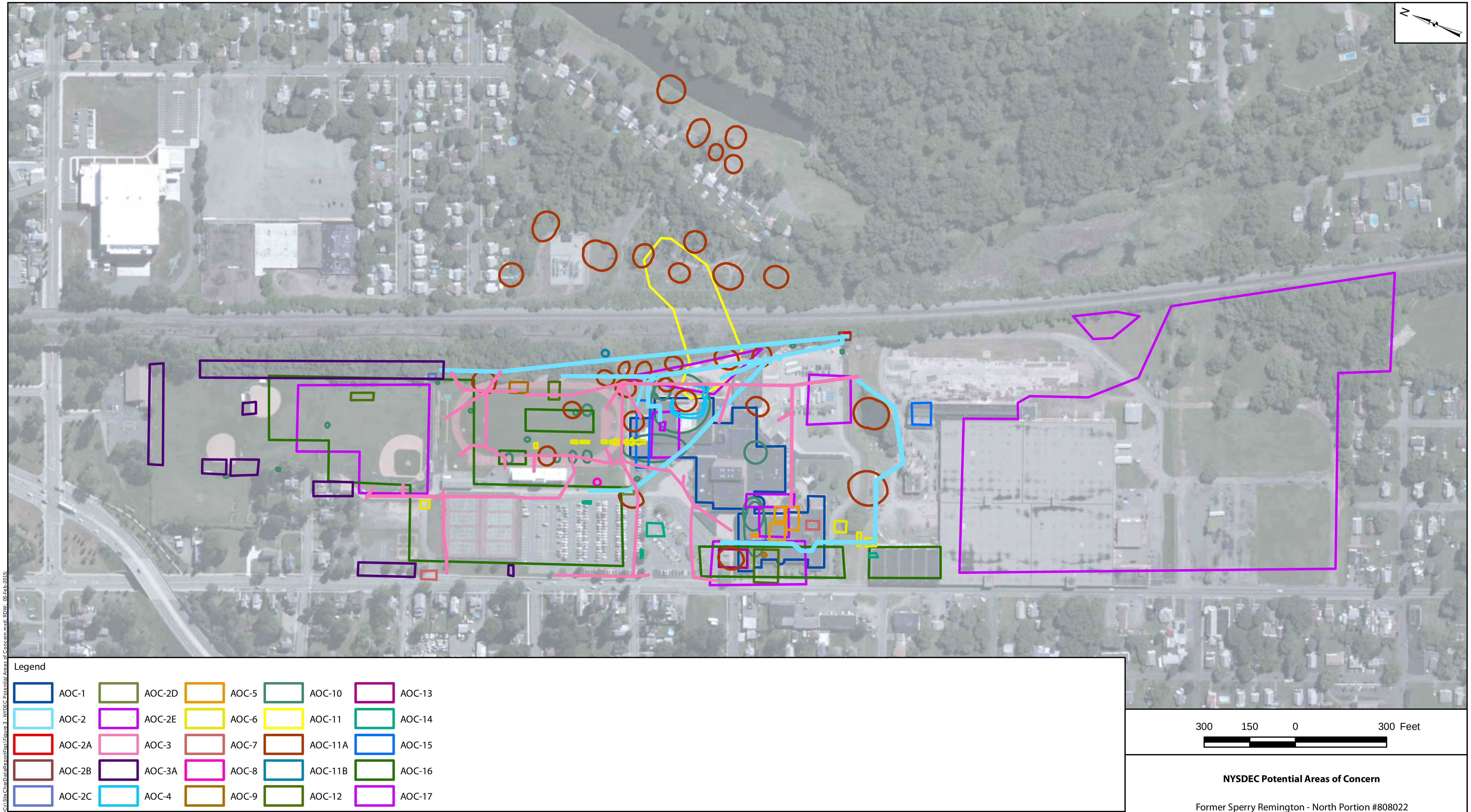
Geosyntec consultants

Columbia, Maryland

February 2015

Figure 2

P:\GIS\Elmira - MN0832\Maps\NYDEC AOCs\SiteCharDataReportFigs\Figure 2 - Site Map.mxd; RDW; 05-Feb-2015;



Notes and Disclaimer

Areas of concern georeferenced from PDF drawings provided by New York State Department of Environmental Conservation (NYSDEC). Georeferenced items may include: historical site features, hand-drawn features, features that were not to scale, or features that were originally on a map that contained a different projection. Inherently, georeferencing introduces slight distortortions and inaccuracies in spatial data, but these distortions and inaccuracies may be exacerbated by the factors listed above. All reasonable efforts were made to accurately reflect the data provided.

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 05 February 2015. Image is dated 2 June 2010.

NYSDEC Potential Areas of Concern

Former Sperry Remington - North Portion #808022
Elmira, New York

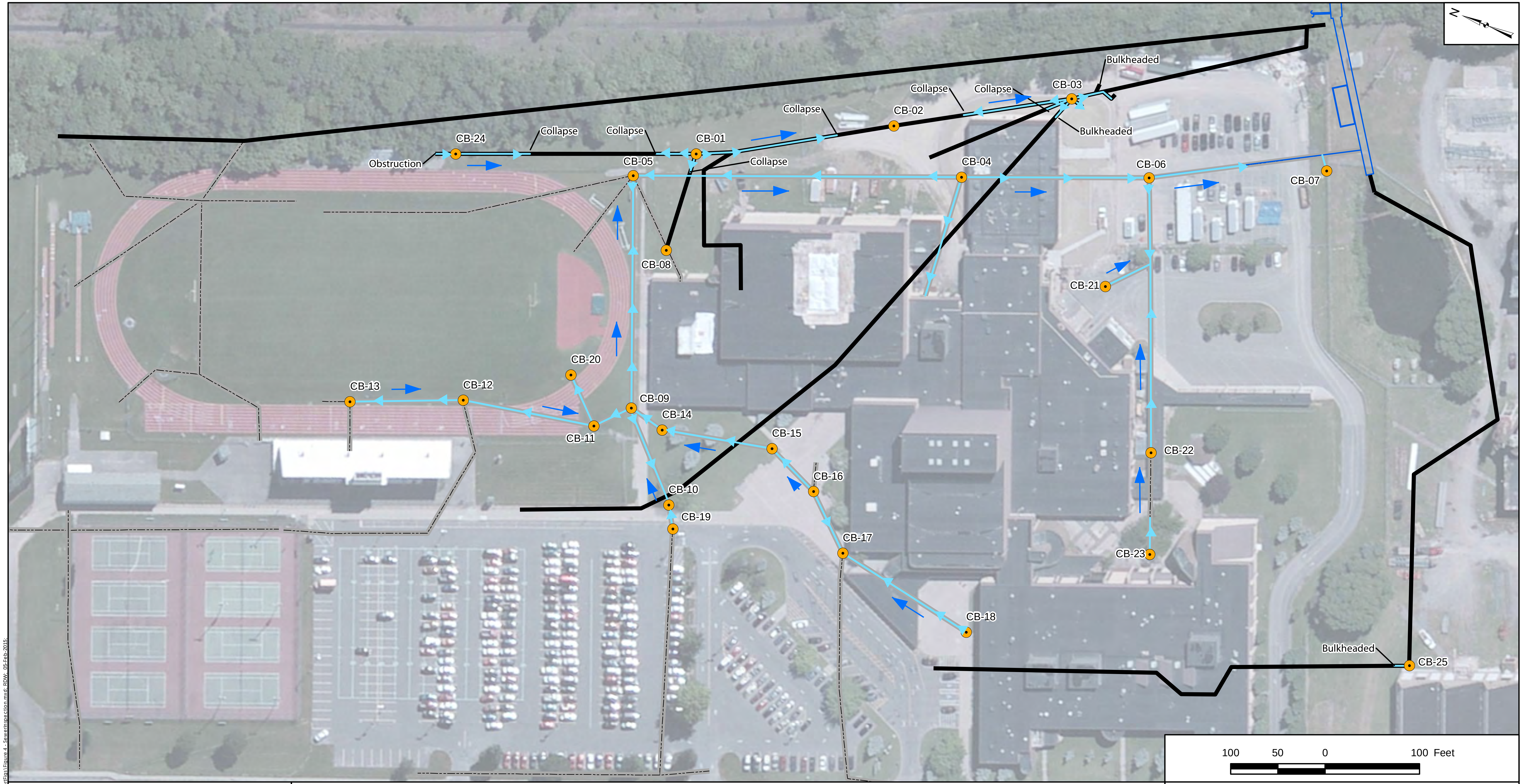
Geosyntec
consultants

Columbia, Maryland

February 2015

Figure
3

P:\GIS\Elmira - MN0832\Maps\NYDEC AOCs\SiteCharDataReportFigs\Figure 3 - NYDEC Potential Areas of Concern.mxd; RDW; 05-Feb-2015;



Legend

● Catch Basin

→ Direction of Stormwater Flow

→ Geosyntec Survey (2014)

▬ Former Storm Water Sewer (Pre-1979)

- - Current Combined Industrial Sewer (Post-1979)

— Former Sperry Remington Site (#808043) Investigation

Notes and Disclaimer

Former Combined Industrial Sewer (Pre-1979) and Current Storm Water Sewer (Post-1979) are georeferenced from PDF drawings provided by New York State Department of Environmental Conservation (NYSDEC). Georeferenced items may include: historical site features, hand-drawn features, features that were not to scale, or features that were originally on a map that contained a different projection. Inherently, georeferencing introduces slight distortortions and inaccuracies in spatial data, but these distortions and inaccuracies may be exacerbated by the factors listed above. All reasonable efforts were made to accurately reflect the data provided.

Catch basin locations are approximate. Only catch basins related to the sewer inspection scope of work are presented on this figure.

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 05 February 2015. Image is dated 2 June 2010.

Former Combined Industrial Sewer Inspection

Former Sperry Remington - North Portion #808022
Elmira, New York

Geosyntec
consultants

Columbia, Maryland

February 2015

Figure
4

P:\GIS\Elmira - MN0832\Maps\NYDEC AOCs\SiteCharDataReportFigs\Figure 4 - SewerInspection.mxd; RDW; 05-Feb-2015;

Legend

- ○ Historical Soil Sample Locations
- ▣ Shallow Subsurface Soil Sample Locations
- ◒ Subsurface Soil Sample Locations
- ▲ Surface Soil Confirmation Sample Locations

Notes

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 05 February 2015. Image is dated 2 June 2010.

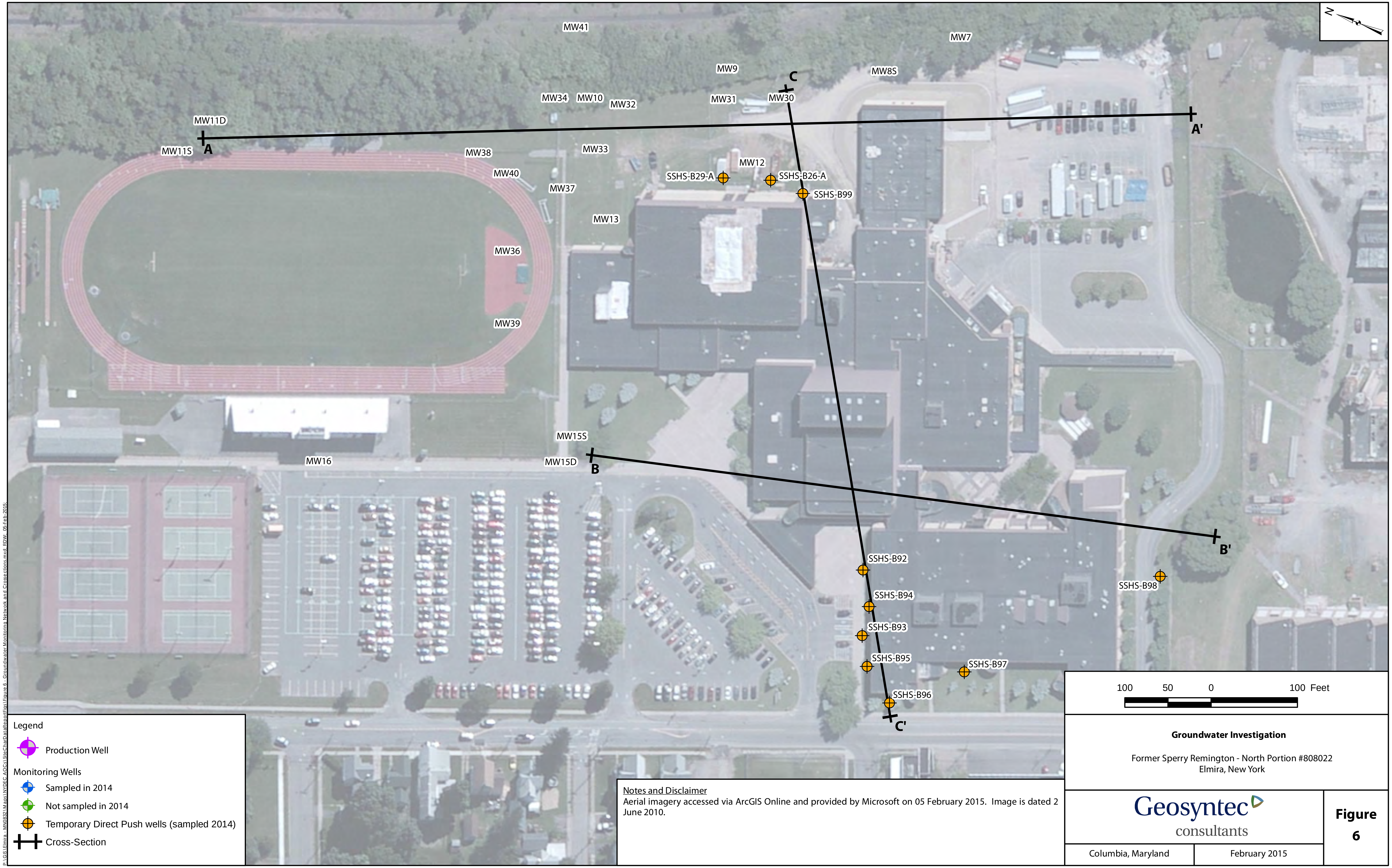
Soil Investigation
Former Sperry Remington - North Portion #808022
Elmira, New York

Geosyntec
consultants

Columbia, Maryland
February 2015

Figure
5

P:\GIS\Elmira - MN0832\Maps\NYDEC AOCs\SiteCharDataReportFigs\Figure 5 - Soil Investigation.mxd; RDW; 05-Feb-2015;



Legend

Production Well

Monitoring Wells

- Sampled in 2014
- Not sampled in 2014
- Temporary Direct Push wells (sampled 2014)

Cross-Section

Notes and Disclaimer

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 05 February 2015. Image is dated 2 June 2010.

Groundwater Investigation

Former Sperry Remington - North Portion #808022
Elmira, New York

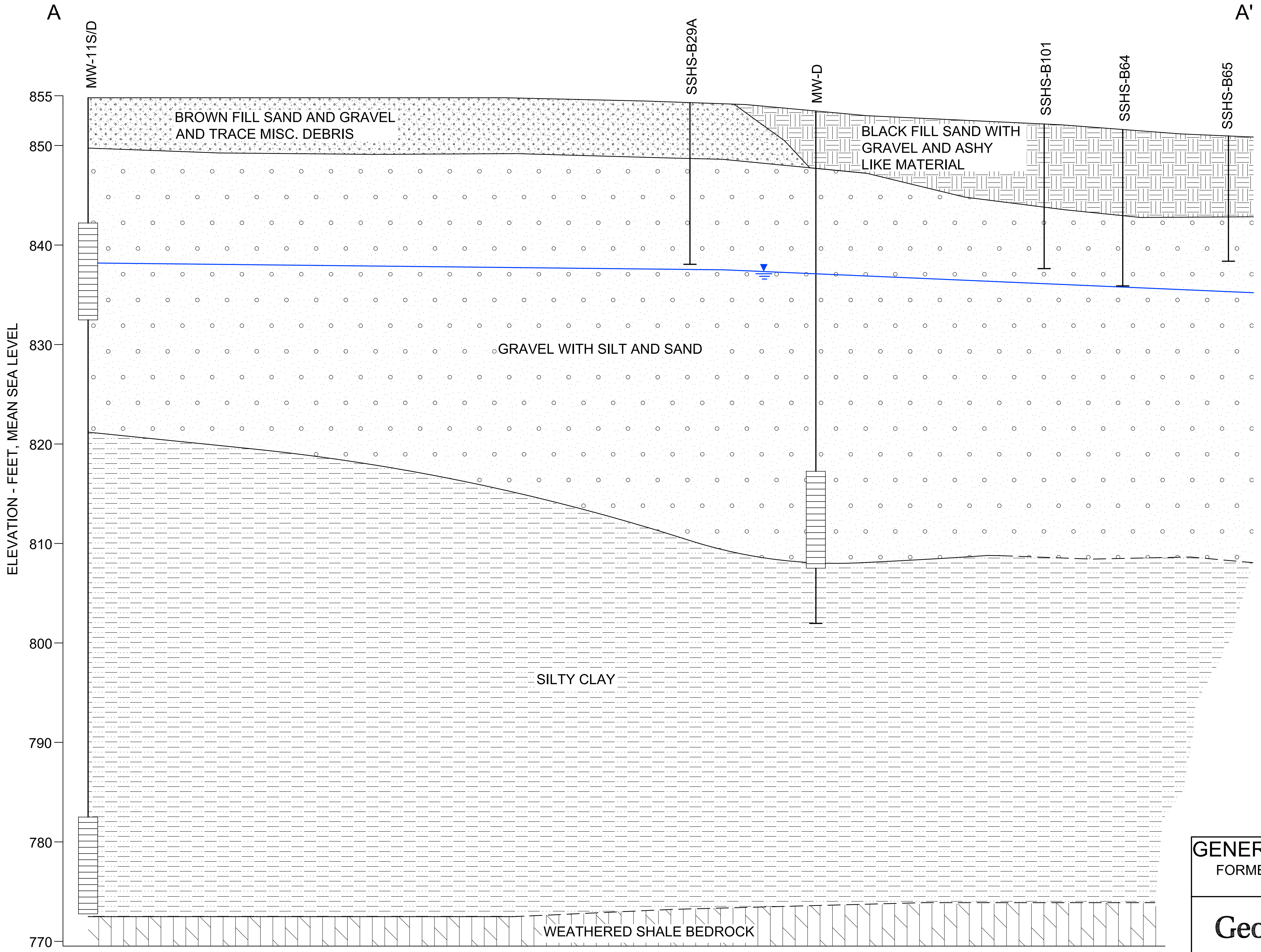
Geosyntec
consultants

Columbia, Maryland

February 2015

Figure 6

P:\GIS\Elmira - MN0832\Maps\NYDEC AOCs\SiteChar\DataReportFigs\Figure 6 - Groundwater Monitoring Network and Crossections.mxd; RDW; 05-Feb-2015;



LEGEND

⁘	GRAVEL WITH SILT AND SAND
▒	BROWN FILL SAND AND GRAVEL AND TRACE MISC. DEBRIS
▦	BLACK FILL SAND WITH GRAVEL AND ASHY LIKE MATERIAL
▤	SILTY CLAY
▧	WEATHERED SHALE BEDROCK
▼	APPROXIMATE GROUNDWATER ELEVATION

0 100'
HORIZONTAL SCALE: 1" = 100'
0 10'
VERTICAL SCALE: 1" = 10'

NOTES:

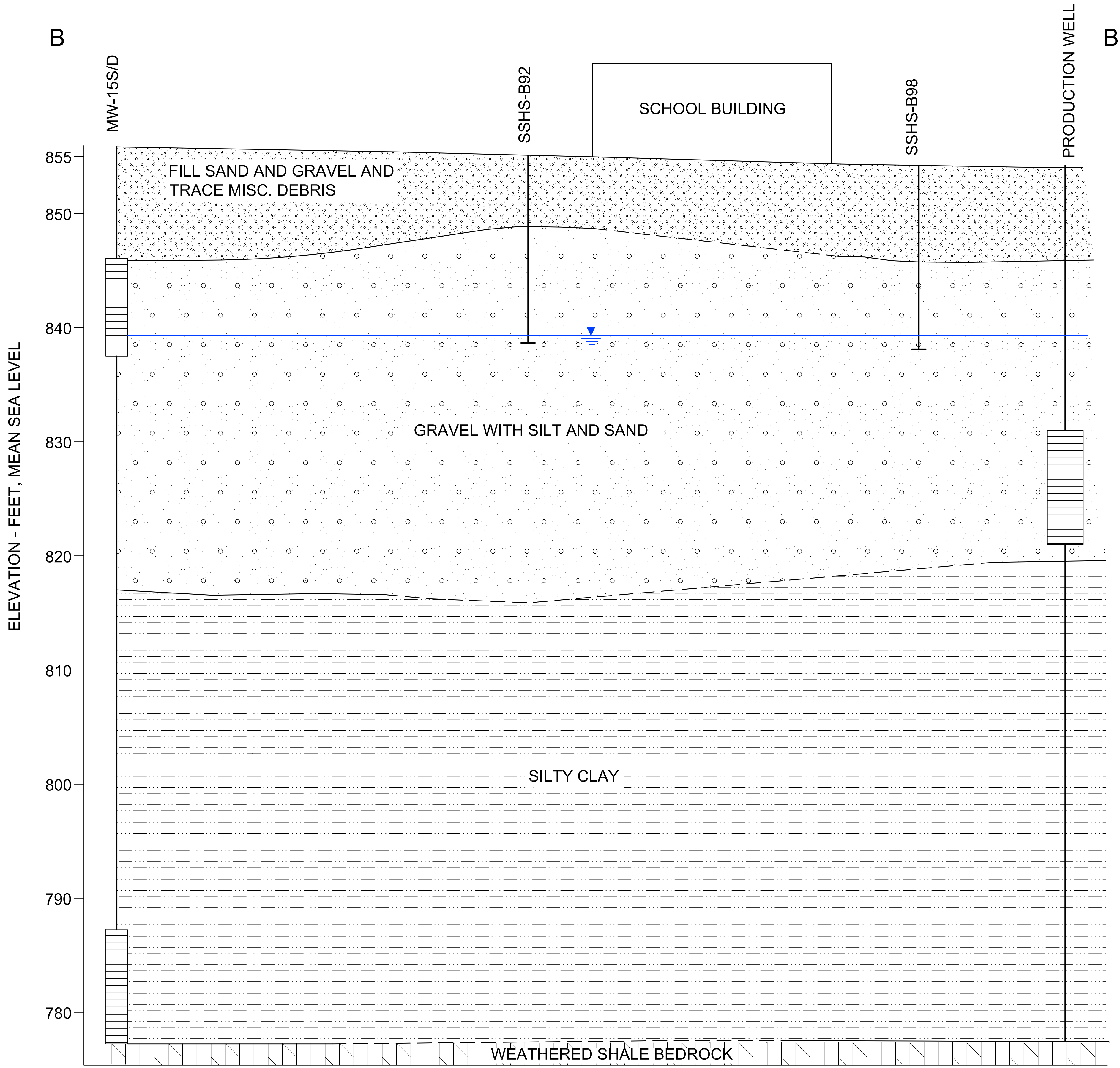
1. LOCATION OF CROSS SECTION SHOWN ON FIGURE 6.
2. GEOLOGIC CONDITIONS INTERPRETED FROM BORING LOGS PRESENTED IN VARIOUS HISTORICAL REPORTS AND OBSERVATIONS MADE DURING THIS INVESTIGATION.
3. GEOLOGIC CONDITIONS MAY VARY FROM THAT SHOWN.
4. MW-11 S/D ARE SEPARATE COMPLETIONS IN SEPARATE BOREHOLES BUT SHOWN ON ONE WELL SYMBOL FOR CLARITY.

GENERALIZED CROSS-SECTION A-A'
FORMER SPERRY REMINGTON-NORTH PORTION
ELMIRA, NEW YORK

Geosyntec consultants
COLUMBIA, MARYLAND

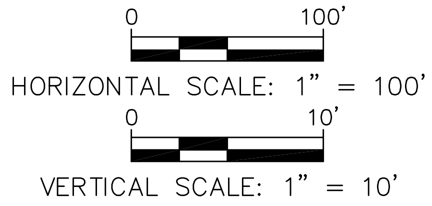
DATE:	FEBRUARY 2015
PROJECT NO.	MN0832
DOCUMENT NO.	MD14392
FILE NO.	0832f004
FIGURE NO.	7A

P:\cadd\geo-minneapolis\0832 elmira\0832f000\0832f004.dwg, a, 2/6/2015 10:30:25 AM,
joconnor



LEGEND

⁘	GRAVEL WITH SILT AND SAND
▩	FILL SAND AND GRAVEL AND TRACE MISC. DEBRIS
▤	SILTY CLAY
▧	WEATHERED SHALE BEDROCK
▽	APPROXIMATE GROUNDWATER ELEVATION



HORIZONTAL SCALE: 1" = 100'

VERTICAL SCALE: 1" = 10'

NOTES:

1. LOCATION OF CROSS SECTION SHOWN ON FIGURE 6.
2. GEOLOGIC CONDITIONS INTERPRETED FROM BORING LOGS PRESENTED IN VARIOUS HISTORICAL REPORTS AND OBSERVATIONS MADE DURING THIS INVESTIGATION.
3. GEOLOGIC CONDITIONS MAY VARY FROM THAT SHOWN.
4. MW-15 S/D ARE SEPARATE COMPLETIONS IN SEPARATE BOREHOLES BUT SHOWN ON ONE WELL SYMBOL FOR CLARITY.

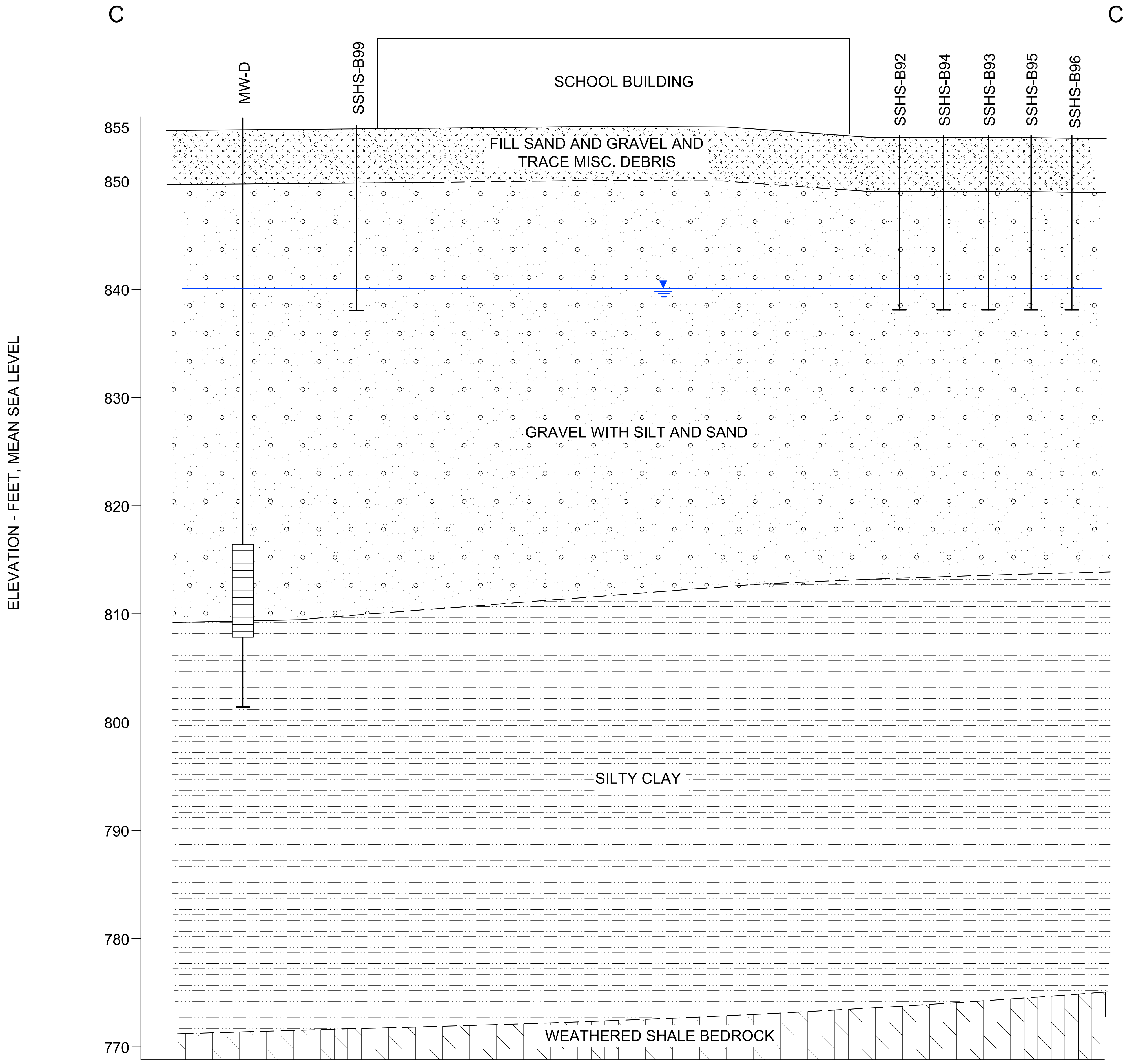
GENERALIZED CROSS-SECTION B-B'

FORMER SPERRY REMINGTON-NORTH PORTION
ELMIRA, NEW YORK

Geosyntec consultants
COLUMBIA, MARYLAND

DATE:	FEBRUARY 2015
PROJECT NO.	MN0832
DOCUMENT NO.	MD14392
FILE NO.	0832f004
FIGURE NO.	7B

P:\cadd\geo-minneapolis\0832 elmira\0832f000\0832f004.dwg, b, 2/6/2015 10:27:44 AM,
jconnor



LEGEND

░	GRAVEL WITH SILT AND SAND
▒	FILL SAND AND GRAVEL AND TRACE MISC. DEBRIS
☰	SILTY CLAY
▨	WEATHERED SHALE BEDROCK
▼	APPROXIMATE GROUNDWATER ELEVATION

0 100'

HORIZONTAL SCALE: 1" = 100'

0 10'

VERTICAL SCALE: 1" = 10'

NOTES:

1. LOCATION OF CROSS SECTION SHOWN ON FIGURE 6.
2. GEOLOGIC CONDITIONS INTERPRETED FROM BORING LOGS PRESENTED IN VARIOUS HISTORICAL REPORTS AND OBSERVATIONS MADE DURING THIS INVESTIGATION.
3. GEOLOGIC CONDITIONS MAY VARY FROM THAT SHOWN.

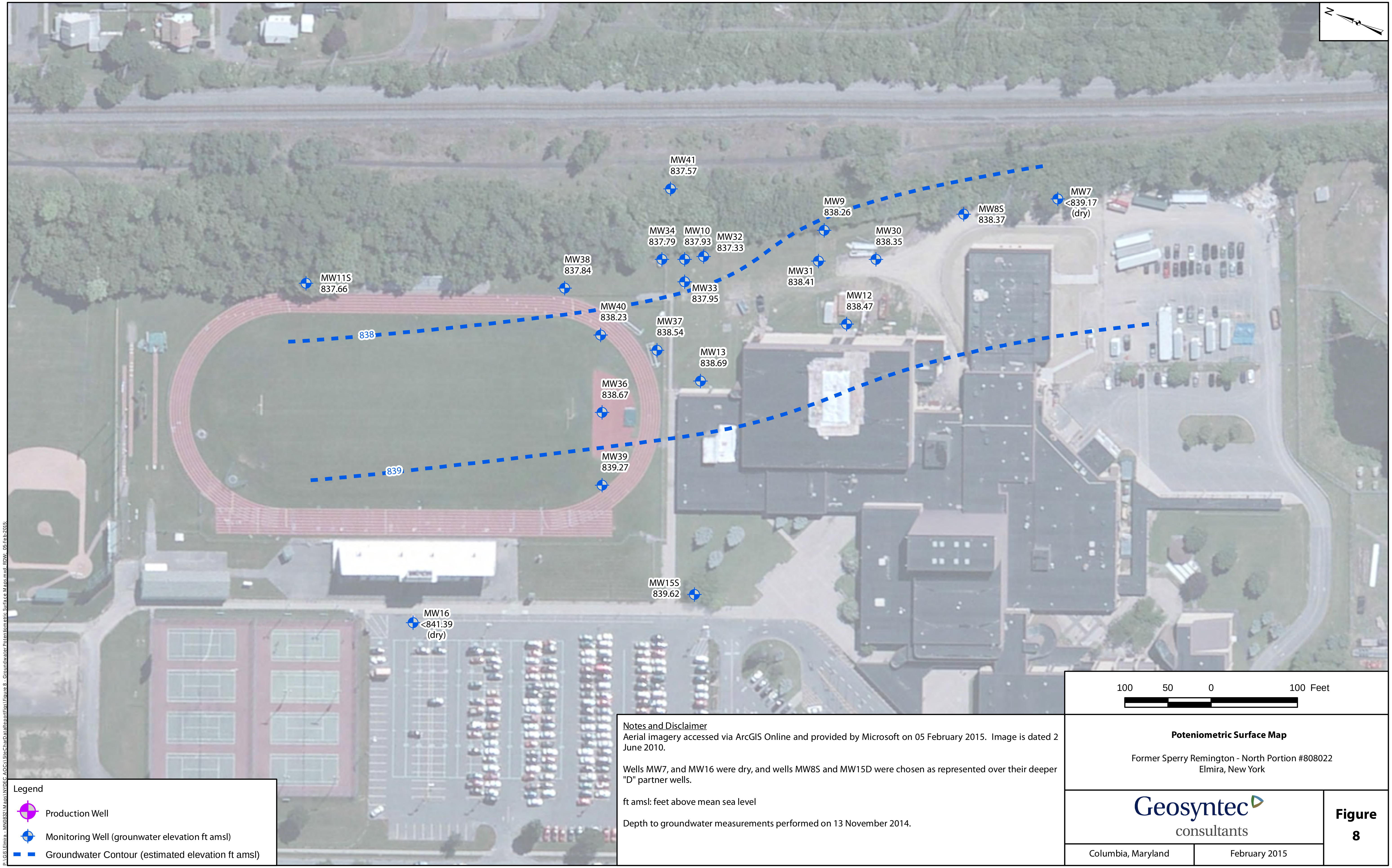
GENERALIZED CROSS-SECTION C-C'

FORMER SPERRY REMINGTON-NORTH PORTION
ELMIRA, NEW YORK

Geosyntec
consultants
COLUMBIA, MARYLAND

DATE:	FEBRUARY 2015
PROJECT NO.	MN0832
DOCUMENT NO.	MD14392
FILE NO.	0832f004
FIGURE NO.	7C

P:\cadd\geo-minneapolis\0832 elmira\0832f000\0832f004.dwg, C, 2/6/2015 10:28:55 AM, joconnor



Legend

- Production Well
- Monitoring Well (grounwater elevation ft amsl)
- Groundwater Contour (estimated elevation ft amsl)

Notes and Disclaimer

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 05 February 2015. Image is dated 2 June 2010.

Wells MW7, and MW16 were dry, and wells MW8S and MW15D were chosen as represented over their deeper "D" partner wells.

ft amsl: feet above mean sea level

Depth to groundwater measurements performed on 13 November 2014.

Poteniometric Surface Map

Former Sperry Remington - North Portion #808022
Elmira, New York

Geosyntec
consultants

Columbia, Maryland
February 2015

Figure
8

P:\GIS\Elmira - MN0832\Maps\NYDEC AOCs\SiteCharDataReportFigs\Figure 8 - Groundwater Potentiometric Surface Maps.mxd; RDW; 05-Feb-2015;

Legend

▲ No Exceedance

● PCB Exceedance

■ SVOC Exceedance

Notes
PCB - Polychlorinated Biphenyl
ft bgs - Feet below ground surface
mg/kg - milligram per kilogram

Soil Management Areas digitized from georeferenced images of the Environmental Management Plan (EMP) produced by Sterling Environmental Engineering (2009).

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 02 March 2015. Image is dated 2 June 2010.

Extent of SCO Exceedances in Surface Soil

Former Sperry Remington - North Portion #808022
Elmira, New York

Geosyntec
consultants

Columbia, Maryland

February 2015

Figure 9

P:\GIS\Elmira - MN0832\Maps\NYDEC AOCs\SiteCharDataReportFigs\Figure 9 - Extent of SCO Exceedances in Surface Soil.mxd; RDW; 02-Mar-2015;

P:\GIS\Elmira - MN0832\Maps\NYDEC AOCs\SiteCharDataReportFigs\Figure 10 - Extent of PCBs in Soil.mxd; RDW; 02-Mar-2015;

Legend

Sample Depth
○ 0.17 to 0.5 ft bgs
○ >0.5 to 2 ft bgs
○ >2 to 6 ft bgs
○ >6 to 10 ft bgs
○ >15 ft bgs

Concentration (mg/kg)
○ Non-Detect
🟢 >0 and ≤1
🟠 >1 and ≤100
🔴 >100

🟨 EMP PCB Soil Management Area

<u>Notes</u>
PCB - Polychlorinated Biphenyl
ft bgs - Feet below ground surface
mg/kg - milligram per kilogram

Soil Management Areas digitized from georeferenced images of the Environmental Management Plan (EMP) produced by Sterling Environmental Engineering (2009).

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 02 March 2015. Image is dated 2 June 2010.

75 37.5 0 75 Feet

Extent of PCBs in Soil

Former Sperry Remington - North Portion #808022
Elmira, New York

Geosyntec
consultants

Columbia, Maryland
February 2015

Figure 10

Legend

Sample Depth
- ○ 0.17 to 0.5 ft bgs
- ○ >0.5 to 2 ft bgs
- ○ >2 to 6 ft bgs
- ○ >6 to 10 ft bgs
- ○ >15 ft bgs

Relative Concentration
- ○ Non-Detect
- 🟢 Detect, but does not exceed SCO
- 🔴 Exceeds SCO

- 🟦 EMP VOC Soil Management Area
- 🟨 EMP VOC/SVOC Soil Management Area

Notes
VOC - Volatile Organic Compound
SVOC - Semivolatile Organic Compound
SCO - Soil Cleanup Objective
ft bgs - Feet below ground surface

Soil Management Areas digitized from georeferenced images of the Environmental Management Plan (EMP) produced by Sterling Environmental Engineering (2009).

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 05 February 2015. Image is dated 2 June 2010.

Extent of VOCs and SVOCs in Soil

Former Sperry Remington - North Portion #808022
Elmira, New York

Geosyntec
consultants

Columbia, Maryland
February 2015

Figure 11

P:\GIS\Elmira - MN0832\Maps\NYDEC AOCs\SiteCharDataReportFigs\Figure 11 - Extent of VOCs and SVOCs in Soil.mxd; RDW; 05-Feb-2015

Notes
SCO - Soil Cleanup Objective
ft bgs - Feet below ground surface

Soil Management Areas digitized from georeferenced images of the Environmental Management Plan (EMP) produced by Sterling Environmental Engineering (2009).

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 05 February 2015. Image is dated 2 June 2010.

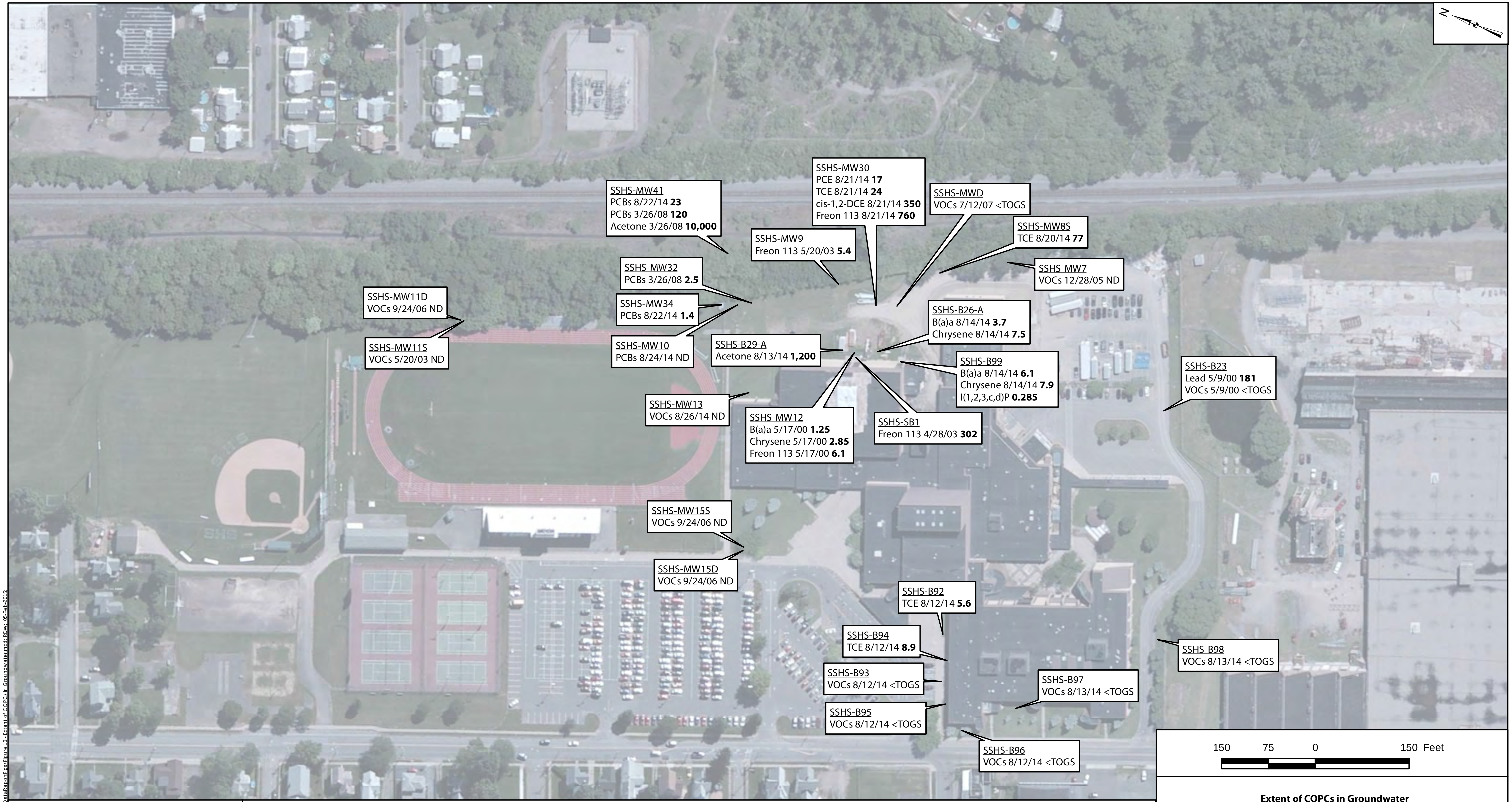
Extent of Metals in Soil

Former Sperry Remington - North Portion #808022
Elmira, New York

Geosyntec
consultants

Columbia, Maryland | February 2015

Figure 12



Legend

⊕ Production Well

◒ Soil Boring Location

⊕ Monitoring Well Location

Notes

COPC - Chemical of Potential Concern
VOC - Volatile Organic Compound
PCB - Polychlorinated Biphenyl
TOGS - Technical and Operational Guidance Series
TCE - Trichloroethene
cis-1,2-DCE - cis-1,2-Dichloroethene
B(a)a - Benzo(a)anthracene
I(1,2,3,c,d)P - Indeno(1,2,3-cd)Pyrene

Location ID
Parameter Date Concentration

Bold indicates an exceedance of TOGS.

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 05 February 2015. Image is dated 2 June 2010.

Extent of COPCs in Groundwater

Former Sperry Remington - North Portion #808022
Elmira, New York

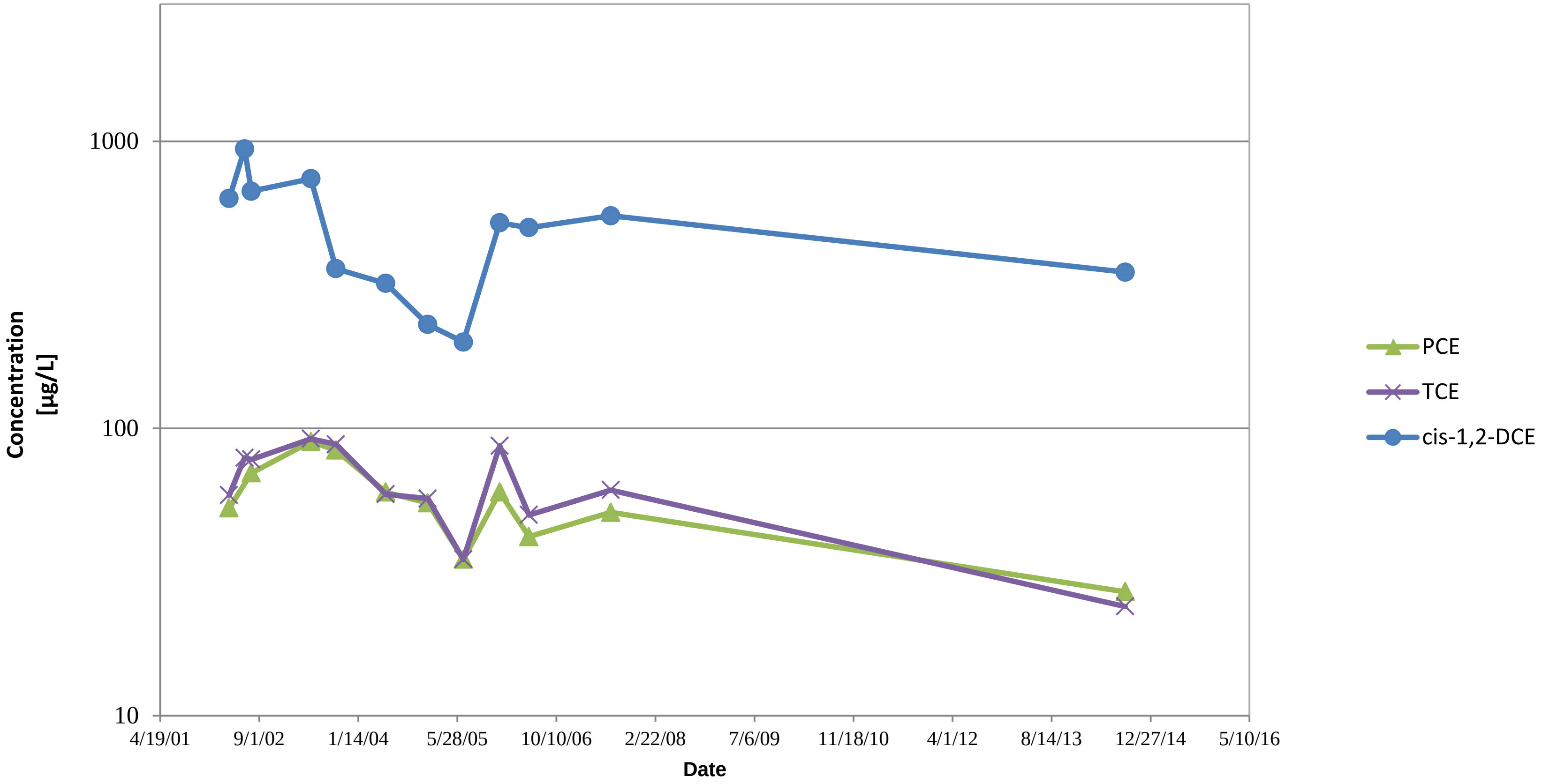
Geosyntec consultants

Figure 13

Columbia, Maryland

February 2015

P:\GIS\Elmira - MN0832\Maps\NYDEC AOCs\SiteCharDataReportFigs\Figure 13 - Extent of COPCs in Groundwater.mxd; RDW; 05-Feb-2015;



Time Trend Graphs of Chlorinated Ethene Concentrations at MW-30

Former Sperry Remington - North Portion #808022
Elmira, New York

Geosyntec consultants

Columbia, Maryland

February 2015

Figure

14

MN0832\Tables\Table 11 - MW-30 and MW-8 chlorinated ethenes.xlsx

APPENDIX A

Comprehensive Utility Survey Report for the Former Combined Industrial Sewer

NYLD Infrastructure Field Report

NEW YORK LEAK DETECTION, INC.

Date: 8/25/2014 Technician: Mark Manzari

Customer: Geosyntec

Site Address: Elmira School, 777 South Main Street, Elmira, NY

Contact Person: Adam Gray Phone: 301-379-0933 cell

Scope of Work: sewer line location work

Type of Service:

☐ *Leak Detection*
☐ *Infrastructure Assessment*
☒ *Utility Location/GPR*
☐ *Utility Mapping/AutoCAD*
☐ *Video Inspection*

Type of Equipment Used

☐ *Profiler EMP 400*
☐ *LC2500 Leak Correlator*
☐ *S-30 Surveyor*
☒ *Sonde*
☐ *Leica Robotic Total Station*
☒ *RD4000*
☒ *Noggin 250 mHz*
☐ Noggin 500 mHz
☐ Conquest 1000 mHz
☐ *Leica GPS*
☒ MetroTech Vivax vLocPro2
☐ PosiTector UTG G3
☐ *Video Inspection Camera*
☐ *Helium # Bottles*

Marking Used

☒ *Paint*
☐ *Updated existing maps onsite*
☒ *Flags*
☐ *Other:* ____________________
☐ *Chalk*

Instructions from Onsite Contact: Perform sewer line location work using Sonde and GPR

Notes/Testing Results: See map below indicating located sewer lines. Due to diameter and depth of pipes video inspection with a tractor camera should be performed after a jetting of the lines. More accurate information and locations can be determined with a tractor camera.

Travel Hours: 3.0 hrs. Onsite Hours: 7.5 hrs.

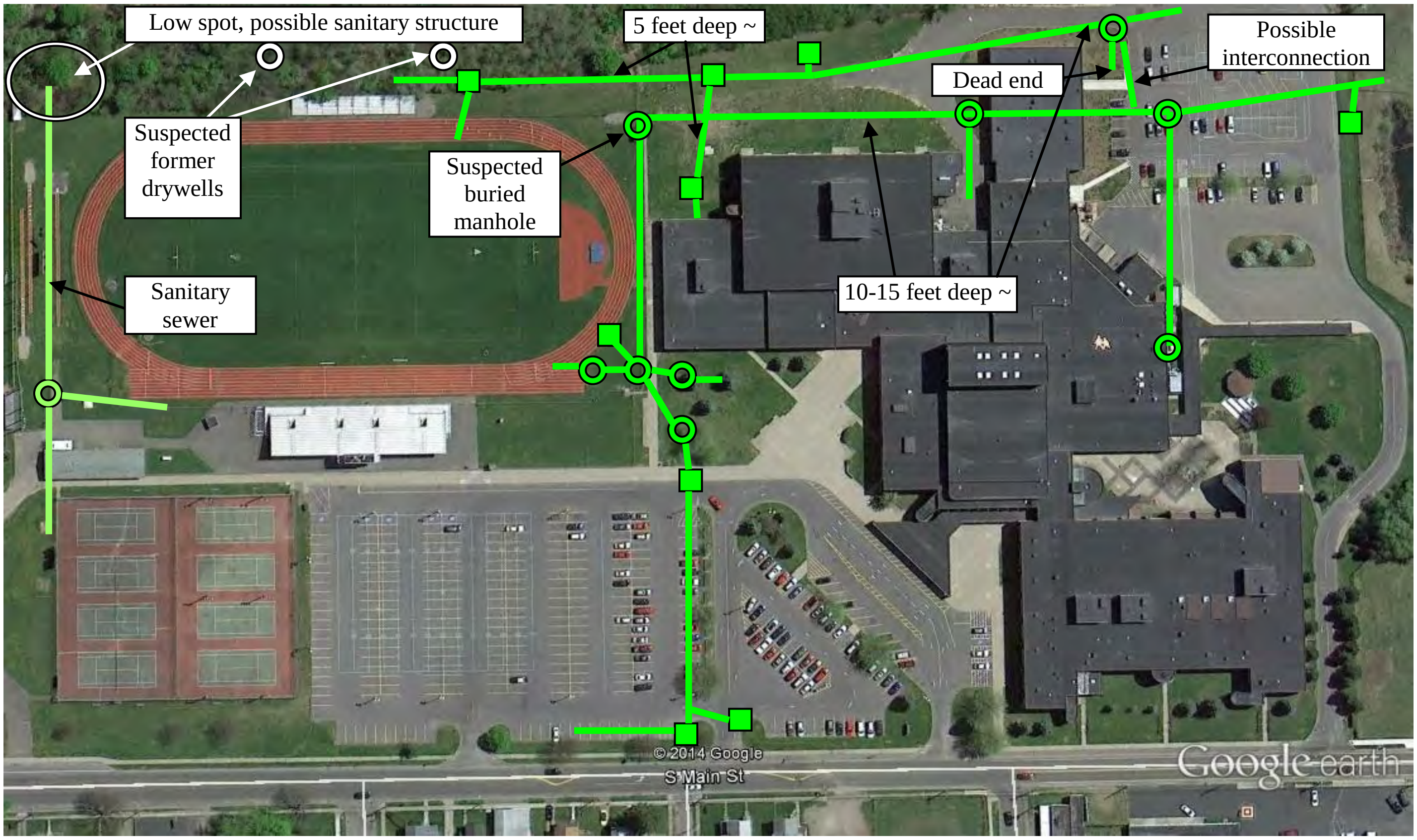
Information Transfer

☒ *Information relayed on site to:*

Adam Gray by telephone

☐ *Hand drawn map (forward to office for digital remake)*

☐ *All markings picked up by surveyors*


Low spot, possible sanitary structure
5 feet deep ~
Possible interconnection
Dead end
Suspected former drywells
Suspected buried manhole
Sanitary sewer
10-15 feet deep ~
© 2014 Google
S Main St
Google earth

APPENDIX B
In-line Camera Survey Report

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

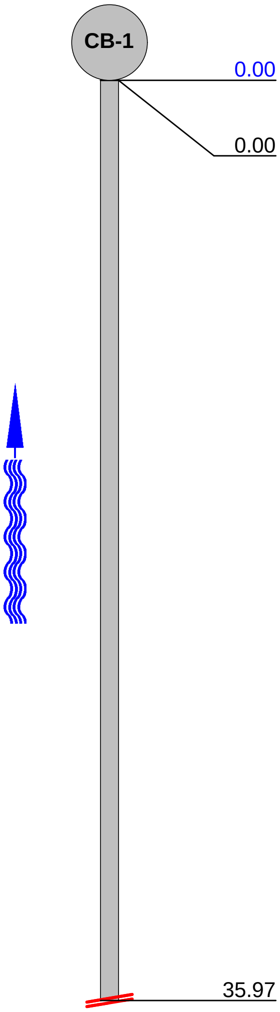
Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
9/9/2014		**Dry**	**Joe Blahowicz**		**1**
Certificate No.	Survey Customer	System Owner	Preset :	Pre-Cleaning	Sewer Category
X				**No Pre-Cleaning**	

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**To NNW**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-1**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Upstream**
Location Code	**Yard**	Length surveyed	**35.97 ft**	Section Length	**35.97 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**24.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:90	Position	Code	Observation	MPEG	Photo	Grade
	0.00	DSC	Deposits Settled Compacted, 5 %of cross sectional area, from 05 to 07 o'clock, , within 8 inches of joint: YES			M 2
	0.00	AMH	Downstream Manhole, Survey Begins / CB-1 to NNW	00:00:00		
	35.97	MSA	Survey Abandoned / Cannot Proceed	00:01:18	1_3A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**2100**	**0**	**2**	**2**		**2**	**2**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**1**

Photo: 1_3A, MPEG #: 090914_1, 00:01:18
35.97FT, Survey Abandoned

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

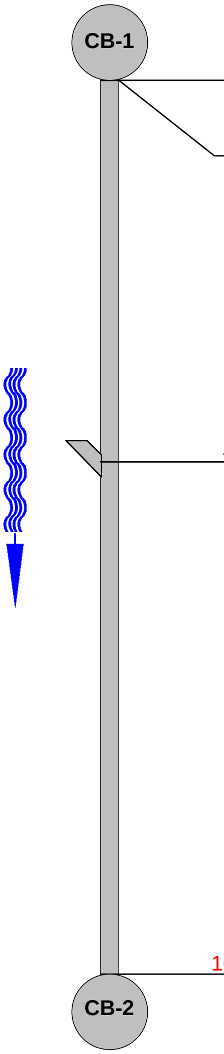
Inspection Report / Inspection: 1

Date **9/9/2014**	P/O. No.	Weather **Dry**	Surveyor's Name **Joe Blahowicz**	Pipe Segment Reference	Section No. **2**
Certificate No. **X**	Survey Customer	System Owner	Preset :	Pre-Cleaning **No Pre-Cleaning**	Sewer Category

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-1**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-2**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Downstream**
Location Code	**Yard**	Length surveyed	**104.80 ft**	Section Length	**104.80 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**30.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:270	Position	Code	Observation	MPEG	Photo	Grade
	0.00	AMH	Upstream Manhole, Survey Begins / CB-1 to CB-2	00:00:00		
	0.00	OBR	Obstacles Rocks, 10 %of cross sectional area, from 05 to 07 o'clock	00:00:00		M 2
	44.73	TB	Tap Break-In, at 03 o'clock, 15", within 8 inches of joint: YES	00:01:25	2_3A	
	104.80	XP	Collapse Pipe Sewer, 95 % / Break at ~110'	00:03:07	2_4A	S 5

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	**2100**	**5**	**2**	**7**		**2**	**3.5**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**2**

Photo: 2_3A, MPEG #: 090914_1, 00:01:25
44.73FT, Tap Break-In, at 03 o'clock, 15", within 8 inches of joint: YES

Photo: 2_4A, MPEG #: 090914_1, 00:03:07
104.8FT, Collapse Pipe Sewer, 95 %

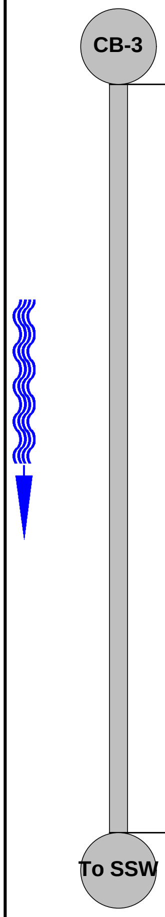
Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
9/9/2014		**Dry**	**Joe Blahowicz**		**3**
Certificate No.	Survey Customer	System Owner	Preset :	Pre-Cleaning	Sewer Category
X				**No Pre-Cleaning**	

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-3**
City	**Elmira**	Drainage Area		Dowstream MH	**To SSW**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Downstream**
Location Code	**Yard**	Length surveyed	**16.25 ft**	Section Length	**16.25 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**12.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:50	**Position**	**Code**	**Observation**	**MPEG**	**Photo**	**Grade**
	0.00	AMH	Upstream Manhole, Survey Begins / CB-3 to SSW	00:00:00		
	16.25	AMH	Downstream Manhole, Survey Ends / Tie-In at Mainline.	00:01:31		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

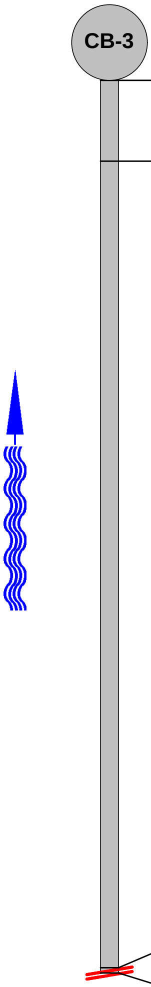
Inspection Report / Inspection: 1

Date **9/9/2014**	P/O. No.	Weather **Dry**	Surveyor's Name **Joe Blahowicz**	Pipe Segment Reference	Section No. **4**
Certificate No. **X**	Survey Customer	System Owner	Preset :	Pre-Cleaning **No Pre-Cleaning**	Sewer Category

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-2**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-3**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Upstream**
Location Code	**Yard**	Length surveyed	**110.45 ft**	Section Length	**110.45 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**30.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:285 Position	Code	Observation	MPEG	Photo	Grade
0.00	AMH	Downstream Manhole, Survey Begins / CB-3 to CB-2	00:00:00		
10.00	MGO	General Observation / Started Appox. 10' upstream due to abundance of Sticks/Debris	00:00:00		
109.77	XP	Collapse Pipe Sewer, 95 %	00:03:25	4_3A	S 5
110.45	MSA	Survey Abandoned / Cannot Proceed.	00:03:33	4_4A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	**0000**	**5**	**0**	**5**		**0**	**5**

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**4**

Photo: 4_3A, MPEG #: 090914_1, 00:03:25
109.77FT, Collapse Pipe Sewer, 95 %

Photo: 4_4A, MPEG #: 090914_1, 00:03:33
110.45FT, Survey Abandoned

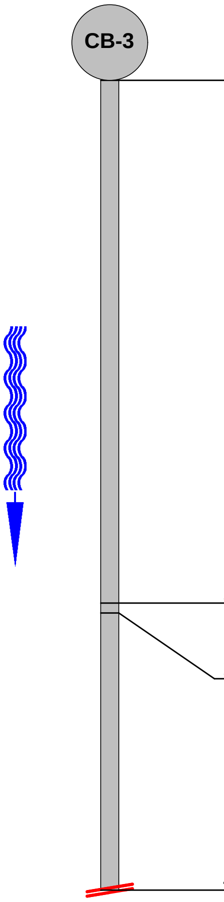
Inspection Report / Inspection: 1

Date **9/9/2014**	P/O. No.	Weather **Dry**	Surveyor's Name **Joe Blahowicz**	Pipe Segment Reference	Section No. **5**
Certificate No. **X**	Survey Customer	System Owner	Preset :	Pre-Cleaning **No Pre-Cleaning**	Sewer Category

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-3**
City	**Elmira**	Drainage Area		Dowstream MH	**to SSE**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Downstream**
Location Code	**Parking Lot**	Length surveyed	**42.20 ft**	Section Length	**42.20 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**30.00 inch**
Year Rehabilitated		Material	**Brick**
Tape / Media No.	**X**	Lining Method	**Other**

Add. Information :



1:120 Position	Code	Observation	MPEG	Photo	Grade
0.00	AMH	Upstream Manhole, Survey Begins / CB-3 to SSE	00:00:00		
27.25	MGO	General Observation	00:02:58	5_2A	
27.76	MGO	General Observation	00:04:02	5_3A	
42.20	MSA	Survey Abandoned / Cannot Proceed.	00:06:23	5_4A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**5**

Photo: 5_2A, MPEG #: 090914_1, 00:02:58
27.25FT, General Observation

Photo: 5_3A, MPEG #: 090914_1, 00:04:02
27.76FT, General Observation

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**5**

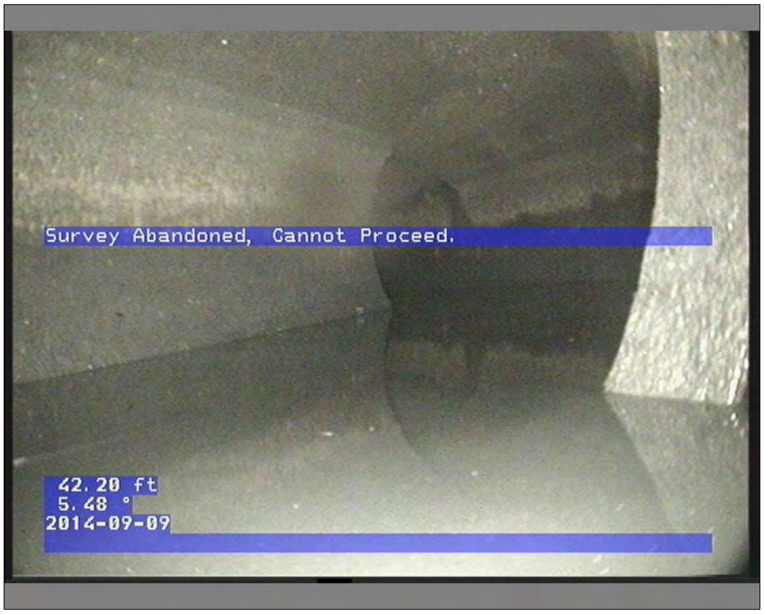


Photo: 5_4A, MPEG #: 090914_1, 00:06:23
42.2FT, Survey Abandoned

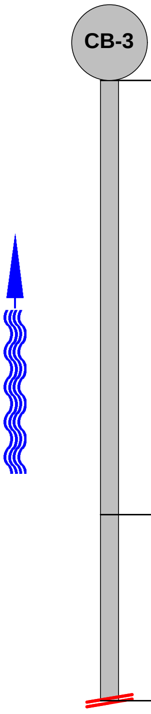
Inspection Report / Inspection: 1

Date **9/9/2014**	P/O. No.	Weather **Dry**	Surveyor's Name **Joe Blahowicz**	Pipe Segment Reference	Section No. **6**
Certificate No. **X**	Survey Customer	System Owner	Preset :	Pre-Cleaning **No Pre-Cleaning**	Sewer Category

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**To SW**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-3**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Upstream**
Location Code	**Parking Lot**	Length surveyed	**13.46 ft**	Section Length	**13.46 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**30.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:50	Position	Code	Observation	MPEG	Photo	Grade
	0.00	AMH	Downstream Manhole, Survey Begins / CB-3 to SW	00:00:00		
	9.42	MGO	General Observation / Bulk Headed	00:01:45	6_2A	
	13.46	MSA	Survey Abandoned / SW Point of Interest	00:01:24	6_2A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**6**

Photo: 6_2A, MPEG #: 090914_1, 00:01:45
9.42FT, General Observation

Photo: 6_2A, MPEG #: 090914_1, 00:01:24
13.46FT, Survey Abandoned

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

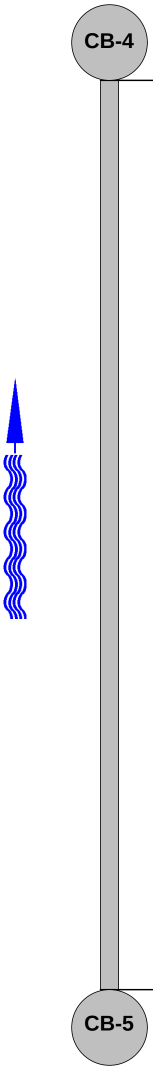
Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
9/9/2014		**Dry**	**Joe Blahowicz**		**7**
Certificate No.	Survey Customer	System Owner	Preset :	Pre-Cleaning	Sewer Category
X				**No Pre-Cleaning**	

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-5**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-4**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Upstream**
Location Code	**Parking Lot**	Length surveyed	**349.34 ft**	Section Length	**349.34 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**33.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:885	Position	Code	Observation	MPEG	Photo	Grade
	0.00	AMH	Downstream Manhole, Survey Begins / CB-4 to CB-5	00:00:00		
	349.34	AMH	Upstream Manhole, Survey Ends / CB-5	00:06:55	7_2A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**7**

Photo: 7_2A, MPEG #: 090914_1, 00:06:55
349.34FT, Upstream Manhole, Survey Ends

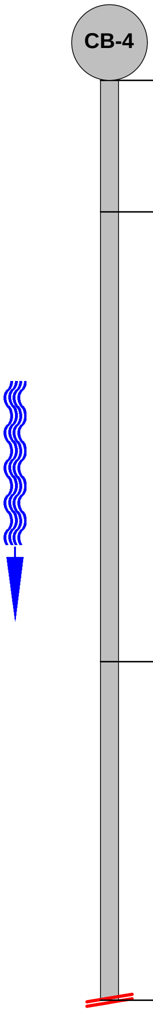
Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
9/9/2014		**Dry**	**Joe Blahowicz**		**8**
Certificate No.	Survey Customer	System Owner	Preset :	Pre-Cleaning	Sewer Category
X				**No Pre-Cleaning**	

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-4**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-6**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Downstream**
Location Code	**Parking Lot**	Length surveyed	**299.41 ft**	Section Length	**299.41 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**33.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:750	Position	Code	Observation	MPEG	Photo	Grade
	0.00	AMH	Upstream Manhole, Survey Begins / CB-4 to CB-6	00:00:00		
	42.76	OBI	Obstacles Inuding Thru Wall, 20 %of cross sectional area, from 01 to 05 o'clock	00:01:04	8_2A	M 3
	189.30	MGO	General Observation / CB-6	00:05:21	8_3A	
	299.41	MSA	Survey Abandoned / 48" Sewer previously Inspected.	00:07:57	8_4A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**3100**	**0**	**3**	**3**		**3**	**3**

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**8**

Photo: 8_2A, MPEG #: 090914_1, 00:01:04
42.76FT, Obstacles Inuding Thru Wall, 20 %of cross sectional area, from 01 to 05 o'clock

Photo: 8_3A, MPEG #: 090914_1, 00:05:21
189.3FT, General Observation

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**8**

Photo: 8_4A, MPEG #: 090914_1, 00:07:57
299.41FT, Survey Abandoned

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

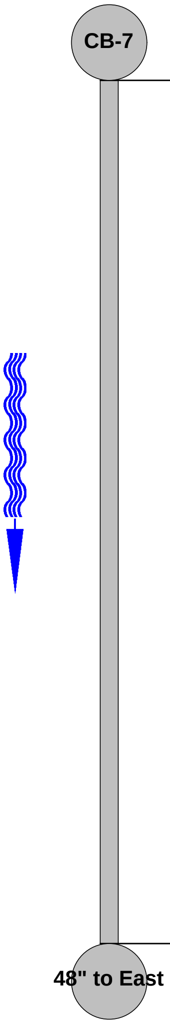
Inspection Report / Inspection: 1

Date **9/9/2014**	P/O. No.	Weather **Dry**	Surveyor's Name **Joe Blahowicz**	Pipe Segment Reference	Section No. **9**
Certificate No. **X**	Survey Customer	System Owner	Preset :	Pre-Cleaning **No Pre-Cleaning**	Sewer Category

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-7**
City	**Elmira**	Drainage Area		Dowstream MH	**48" to East**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Downstream**
Location Code	**Parking Lot**	Length surveyed	**22.47 ft**	Section Length	**22.47 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**12.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:60	Position	Code	Observation	MPEG	Photo	Grade
	0.00	AMH	Upstream Manhole, Survey Begins / CB-7 to East connection	00:00:00		
	22.47	AMH	Downstream Manhole, Survey Ends / 48" Connection	00:01:22	9_2A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**9**

Photo: 9_2A, MPEG #: 090914_1, 00:01:22
22.47FT, Downstream Manhole, Survey Ends

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

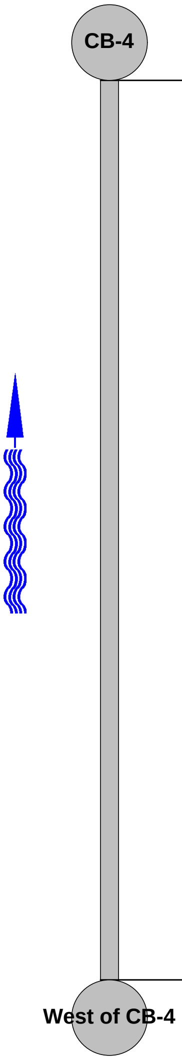
Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
9/9/2014		**Dry**	**Joe Blahowicz**		**10**
Certificate No.	Survey Customer	System Owner	Preset :	Pre-Cleaning	Sewer Category
X				**No Pre-Cleaning**	

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**West of CB-4**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-4**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Upstream**
Location Code	**Yard**	Length surveyed	**82.00 ft**	Section Length	**82.00 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**12.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:210	Position	Code	Observation	MPEG	Photo	Grade
	0.00	AMH	Downstream Manhole, Survey Begins / CB-4 to West	00:00:00		
	82.00	AMH	Upstream Manhole, Survey Ends / Western Manhole Connection	00:02:10	10_2A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**10**

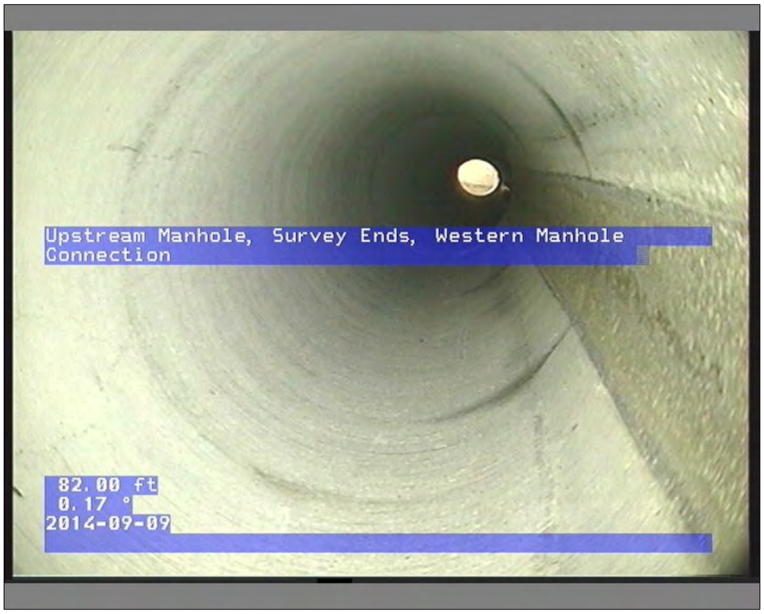


Photo: 10_2A, MPEG #: 090914_1, 00:02:10
82FT, Upstream Manhole, Survey Ends

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection Report / Inspection: 1

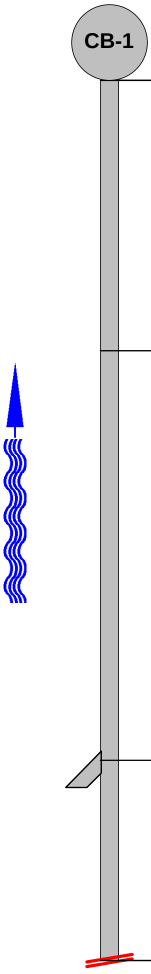
Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
9/9/2014		**Dry**	**Joe Blahowicz**		**11**
Certificate No.	Survey Customer	System Owner	Preset :	Pre-Cleaning	Sewer Category
X				**No Pre-Cleaning**	

Street	**S. Main St**	Use of Sewer	**Stormwater**	Upstream MH	**CB-8**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-1**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Upstream**
Location Code	**Yard**	Length surveyed	**22.92 ft**	Section Length	**22.92 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**12.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :

1:60



Position	**Code**	**Observation**	**MPEG**	**Photo**	**Grade**
0.00	AMH	Downstream Manhole, Survey Begins / CB-1 to CB-8	00:00:00		
7.07	MSC	Shape or Size Change, 12", 10"	00:00:51	11_2A	
17.73	TFD	Tap Factory Made Defective, at 02 o'clock, 8", 8", within 8 inches of joint: YES	00:01:26	11_3A	M 2
22.92	MSA	Survey Abandoned / Cannot Proceed	00:02:04	11_4A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**2100**	**0**	**2**	**2**		**2**	**2**

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St**			**11**

Photo: 11_2A, MPEG #: 090914_1, 00:00:51
7.07FT, Shape or Size Change, 12", 10"

Photo: 11_3A, MPEG #: 090914_1, 00:01:26
17.73FT, Tap Factory Made Defective, at 02 o'clock, 8", 8", within 8 inches of joint: YES

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St**			**11**

Photo: 11_4A, MPEG #: 090914_1, 00:02:04
22.92FT, Survey Abandoned

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

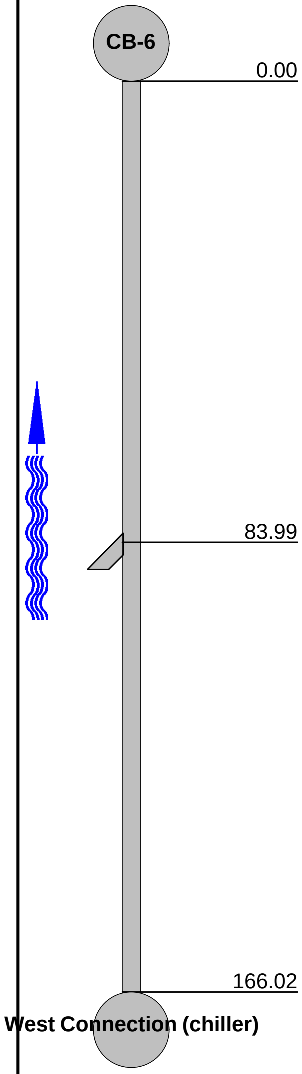
Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
9/9/2014		**Dry**	**Joe Blahowicz**		**12**
Certificate No.	Survey Customer	System Owner	Preset :	Pre-Cleaning	Sewer Category
X				**No Pre-Cleaning**	

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**West Connection (chiller)**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-6**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Upstream**
Location Code	**Parking Lot**	Length surveyed	**166.02 ft**	Section Length	**166.02 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**24.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:420 Position	Code	Observation	MPEG	Photo	Grade
0.00	AMH	Downstream Manhole, Survey Begins / CB-6	00:00:00		
83.99	TB	Tap Break-In, at 03 o'clock, 12", within 8 inches of joint: YES	00:08:03	12_2A	
166.02	AMH	Upstream Manhole, Survey Ends / Connection from Chiller	00:16:16	12_3A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**12**

Photo: 12_2A, MPEG #: 090914_1, 00:08:03
83.99FT, Tap Break-In, at 03 o'clock, 12", within 8 inches of joint: YES

Photo: 12_3A, MPEG #: 090914_1, 00:16:16
166.02FT, Upstream Manhole, Survey Ends

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

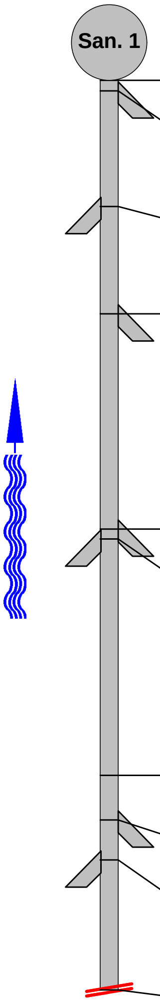
Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
9/9/2014		**Dry**	**Joe Blahowicz**		**13**
Certificate No.	Survey Customer	System Owner	Preset :	Pre-Cleaning	Sewer Category
X				**No Pre-Cleaning**	

Street	**S. Main St**	Use of Sewer	**Sanitary**	Upstream MH	**NNE**
City	**Elmira**	Drainage Area		Dowstream MH	**San. 1**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Upstream**
Location Code	**Yard**	Length surveyed	**189.63 ft**	Section Length	**189.63 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**12.00 inch**
Year Rehabilitated		Material	**Clay Tile**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:480 Position	Code	Observation	MPEG	Photo	Grade
0.00	AMH	Downstream Manhole, Survey Begins / San. - 1 to NNE	00:00:00		
2.26	TFD	Tap Factory Made Defective, at 10 o'clock, 6", 4", within 8 inches of joint: YES	00:00:32	13_2A	M 2
26.35	TF	Tap Factory Made, at 02 o'clock, 6", within 8 inches of joint: YES	00:01:17	13_3A	
48.69	TF	Tap Factory Made, at 10 o'clock, 6", within 8 inches of joint: YES	00:02:01	13_4A	
93.57	TF	Tap Factory Made, at 10 o'clock, 6", within 8 inches of joint: YES	00:03:25	13_5A	
95.59	TB	Tap Break-In, at 02 o'clock, 4", within 8 inches of joint: YES	00:03:47	13_6A	
144.94	MGO	General Observation / Video Continuation	00:00:00		
154.25	TFC	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inches of joint: YES	00:00:36	13_8A	
162.48	TF	Tap Factory Made, at 02 o'clock, 6", within 8 inches of joint: YES	00:01:06	13_9A	
189.63	MSA	Survey Abandoned / Abundance of Material	00:05:55	13_10A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**2100**	**0**	**2**	**2**		**2**	**2**

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St**			**13**

Photo: 13_2A, MPEG #: 090914_1, 00:00:32
2.26FT, Tap Factory Made Defective, at 10 o'clock, 6", 4", within 8 inches of joint: YES

Photo: 13_3A, MPEG #: 090914_1, 00:01:17
26.35FT, Tap Factory Made, at 02 o'clock, 6", within 8 inches of joint: YES

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St**			**13**

Photo: 13_4A, MPEG #: 090914_1, 00:02:01
48.69FT, Tap Factory Made, at 10 o'clock, 6", within 8 inches of joint: YES

Photo: 13_5A, MPEG #: 090914_1, 00:03:25
93.57FT, Tap Factory Made, at 10 o'clock, 6", within 8 inches of joint: YES

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St**			**13**

Photo: 13_6A, MPEG #: 090914_1, 00:03:47
95.59FT, Tap Break-In, at 02 o'clock, 4", within 8 inches of joint: YES

Photo: 13_8A, MPEG #: 090914_1, 00:00:36
154.25FT, Tap Factory Made Capped, at 10 o'clock, 6", within 8 inches of joint: YES

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St**			**13**

Photo: 13_9A, MPEG #: 090914_1, 00:01:06
162.48FT, Tap Factory Made, at 02 o'clock, 6", within 8 inches of joint: YES

Photo: 13_10A, MPEG #: 090914_1, 00:05:55
189.63FT, Survey Abandoned

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

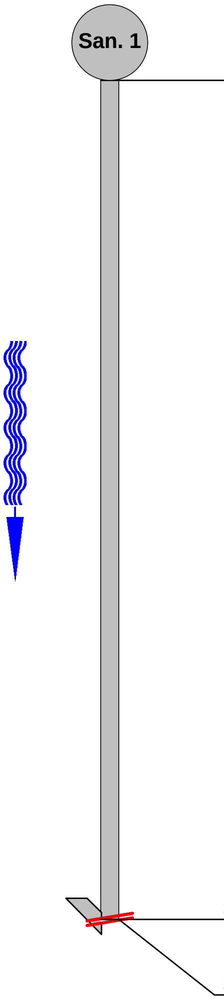
Inspection Report / Inspection: 1

Date **9/9/2014**	P/O. No.	Weather **Dry**	Surveyor's Name **Joe Blahowicz**	Pipe Segment Reference	Section No. **14**
Certificate No. **X**	Survey Customer	System Owner	Preset :	Pre-Cleaning **No Pre-Cleaning**	Sewer Category

Street	**S. Main St.**	Use of Sewer	**Sanitary**	Upstream MH	**San. 1**
City	**Elmira**	Drainage Area		Dowstream MH	**To West**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Downstream**
Location Code	**Yard**	Length surveyed	**38.21 ft**	Section Length	**38.21 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**12.00 inch**
Year Rehabilitated		Material	**Clay Tile**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:105 Position	Code	Observation	MPEG	Photo	Grade
0.00	AMH	Upstream Manhole, Survey Begins / San. 1 to West	00:00:00		
38.21	TF	Tap Factory Made, at 02 o'clock, 6", within 8 inches of joint: YES	00:01:15	14_2A	
38.21	MSA	Survey Abandoned / Survey Complete.	00:01:23	14_3A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**14**

Photo: 14_2A, MPEG #: 090914_1, 00:01:15
38.21FT, Tap Factory Made, at 02 o'clock, 6", within 8 inches of joint: YES

Photo: 14_3A, MPEG #: 090914_1, 00:01:23
38.21FT, Survey Abandoned

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

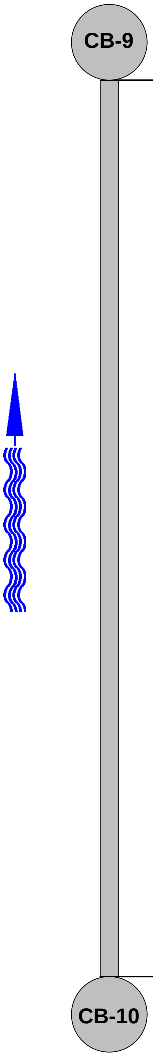
Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
9/9/2014		**Dry**	**Joe Blahowicz**		**15**
Certificate No.	Survey Customer	System Owner	Preset :	Pre-Cleaning	Sewer Category
X				**No Pre-Cleaning**	

Street	**S.Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-10**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-9**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Upstream**
Location Code	**Yard**	Length surveyed	**87.52 ft**	Section Length	**87.52 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**24.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:225 Position	Code	Observation	MPEG	Photo	Grade
0.00	AMH	Downstream Manhole, Survey Begins / CB-9 to CB-10	00:00:00		
87.52	AMH	Upstream Manhole, Survey Ends / CB-10	00:03:17	15_2A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S.Main St.**			**15**

Photo: 15_2A, MPEG #: 090914_1, 00:03:17
87.52FT, Upstream Manhole, Survey Ends

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

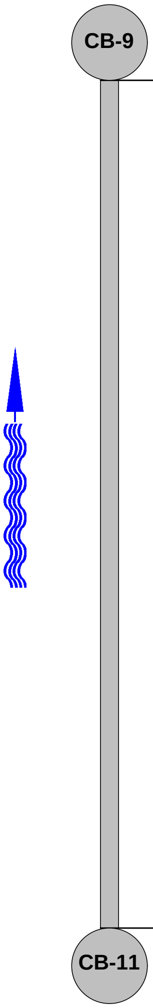
Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
9/9/2014		**Dry**	**Joe Blahowicz**		**16**
Certificate No.	Survey Customer	System Owner	Preset :	Pre-Cleaning	Sewer Category
X				**No Pre-Cleaning**	

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-11**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-9**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Upstream**
Location Code	**Yard**	Length surveyed	**22.09 ft**	Section Length	**22.09 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**18.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:60	Position	Code	Observation	MPEG	Photo	Grade
	0.00	AMH	Downstream Manhole, Survey Begins / CB-9 to CB-11	00:00:00		
	22.09	AMH	Upstream Manhole, Survey Ends / CB-11	00:00:57	16_2A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**16**

Photo: 16_2A, MPEG #: 090914_1, 00:00:57
22.09FT, Upstream Manhole, Survey Ends

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

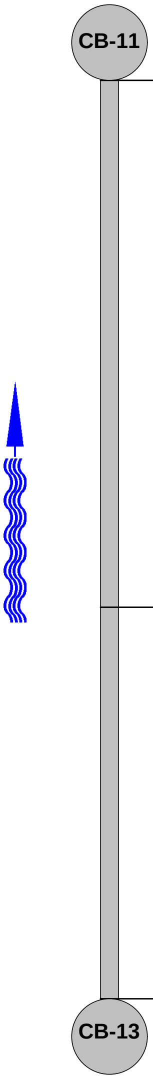
Inspection Report / Inspection: 1

Date **9/9/2014**	P/O. No.	Weather **Dry**	Surveyor's Name **Joe Blahowicz**	Pipe Segment Reference	Section No. **17**
Certificate No. **X**	Survey Customer	System Owner	Preset :	Pre-Cleaning **No Pre-Cleaning**	Sewer Category

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-13**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-11**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Upstream**
Location Code	**Yard**	Length surveyed	**233.18 ft**	Section Length	**233.18 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**15.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:585	Position	Code	Observation	MPEG	Photo	Grade
	0.00	AMH	Downstream Manhole, Survey Begins / CB-11 to CB-13	00:00:00		
	133.76	MGO	General Observation / CB-12	00:03:27	17_2A	
	233.18	AMH	Upstream Manhole, Survey Ends / CB-13	00:07:24	17_3A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**17**

Photo: 17_2A, MPEG #: 090914_1, 00:03:27
133.76FT, General Observation

Photo: 17_3A, MPEG #: 090914_1, 00:07:24
233.18FT, Upstream Manhole, Survey Ends

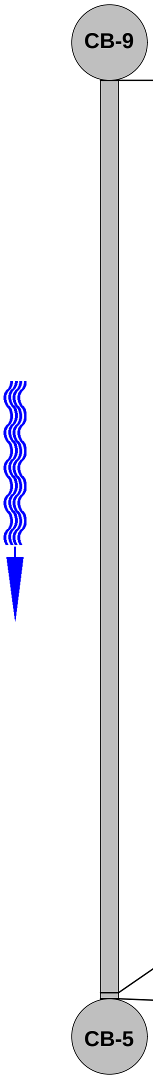
Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
9/9/2014		**Dry**	**Joe Blahowicz**		**18**
Certificate No.	Survey Customer	System Owner	Preset :	Pre-Cleaning	Sewer Category
X				**No Pre-Cleaning**	

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-9**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-5**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Downstream**
Location Code	**Yard**	Length surveyed	**221.26 ft**	Section Length	**221.26 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**30.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:555	Position	Code	Observation	MPEG	Photo	Grade
	0.00	AMH	Upstream Manhole, Survey Begins / CB-9 to CB-5	00:00:00		
	219.73	OBN	Obstacles Construction Debris, 10 %of cross sectional area, from 05 to 07 o'clock / Concrete	00:04:45	18_2A	M 2
	221.26	AMH	Downstream Manhole, Survey Ends / Survey Confirmed	00:05:08	18_3A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**2100**	**0**	**2**	**2**		**2**	**2**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**18**

Photo: 18_2A, MPEG #: 090914_1, 00:04:45
219.73FT, Obstacles Construction Debris, 10 %of cross sectional area, from 05 to 07 o'clock

Photo: 18_3A, MPEG #: 090914_1, 00:05:08
221.26FT, Downstream Manhole, Survey Ends

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

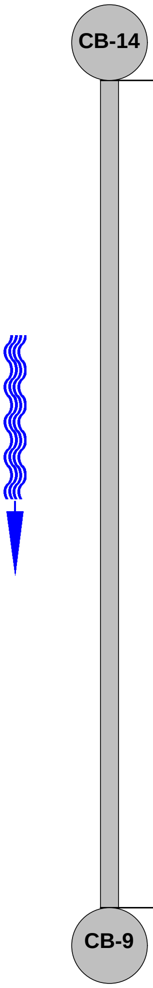
Inspection Report / Inspection: 1

Date **9/9/2014**	P/O. No.	Weather **Dry**	Surveyor's Name **Joe Blahowicz**	Pipe Segment Reference	Section No. **19**
Certificate No. **X**	Survey Customer	System Owner	Preset :	Pre-Cleaning **No Pre-Cleaning**	Sewer Category

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-14**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-9**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Downstream**
Location Code	**Yard**	Length surveyed	**32.31 ft**	Section Length	**32.31 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**18.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:90	Position	Code	Observation	MPEG	Photo	Grade
	0.00	AMH	Upstream Manhole, Survey Begins / CB-14 to CB-9	00:00:00		
	32.31	AMH	Downstream Manhole, Survey Ends / CB-9	00:01:02	19_2A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**19**

Photo: 19_2A, MPEG #: 090914_1, 00:01:02
32.31FT, Downstream Manhole, Survey Ends

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

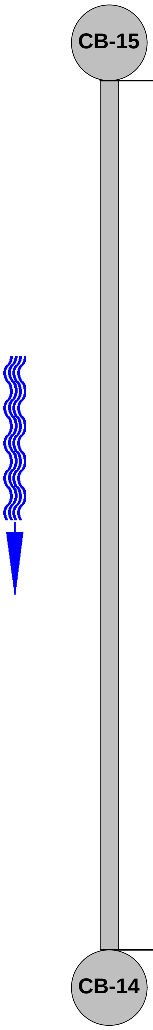
Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
9/9/2014		**Dry**	**Joe Blahowicz**		**20**
Certificate No.	Survey Customer	System Owner	Preset :	Pre-Cleaning	Sewer Category
X				**No Pre-Cleaning**	

Street	**S. Main St**	Use of Sewer	**Stormwater**	Upstream MH	**CB-15**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-14**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Downstream**
Location Code	**Yard**	Length surveyed	**79.27 ft**	Section Length	**79.27 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**18.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:210	Position	Code	Observation	MPEG	Photo	Grade
	0.00	AMH	Downstream Manhole, Survey Begins / CB-14 to CB-15	00:00:00		
	79.27	AMH	Upstream Manhole, Survey Ends / CB-15	00:01:45	20_2A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St**			**20**

Photo: 20_2A, MPEG #: 090914_1, 00:01:45
79.27FT, Upstream Manhole, Survey Ends

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

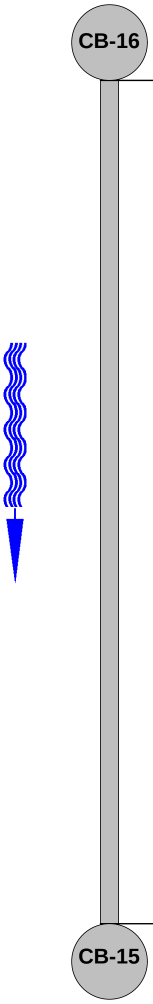
Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
9/9/2014		**Dry**	**Joe Blahowicz**		**21**
Certificate No.	Survey Customer	System Owner	Preset :	Pre-Cleaning	Sewer Category
X				**No Pre-Cleaning**	

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-16**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-15**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Downstream**
Location Code	**Yard**	Length surveyed	**60.35 ft**	Section Length	**60.35 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**18.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:165	Position	Code	Observation	MPEG	Photo	Grade
	0.00	AMH	Upstream Manhole, Survey Begins / CB-16 to CB-15	00:00:00		
	60.35	AMH	Downstream Manhole, Survey Ends / CB-15	00:01:35	21_2A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**21**

Photo: 21_2A, MPEG #: 090914_1, 00:01:35
60.35FT, Downstream Manhole, Survey Ends

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

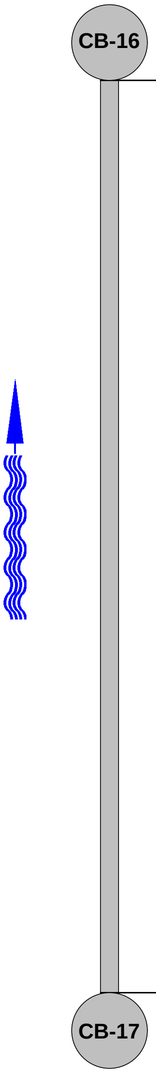
Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
9/9/2014		**Dry**	**Joe Blahowicz**		**22**
Certificate No.	Survey Customer	System Owner	Preset :	Pre-Cleaning	Sewer Category
X				**No Pre-Cleaning**	

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-17**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-16**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Upstream**
Location Code	**Yard**	Length surveyed	**65.32 ft**	Section Length	**65.32 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**15.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:165	Position	Code	Observation	MPEG	Photo	Grade
	0.00	AMH	Downstream Manhole, Survey Begins / CB-16 to CB-17	00:00:00		
	65.32	AMH	Upstream Manhole, Survey Ends / CB-17	00:02:02	22_2A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**22**

Photo: 22_2A, MPEG #: 090914_1, 00:02:02
65.32FT, Upstream Manhole, Survey Ends

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

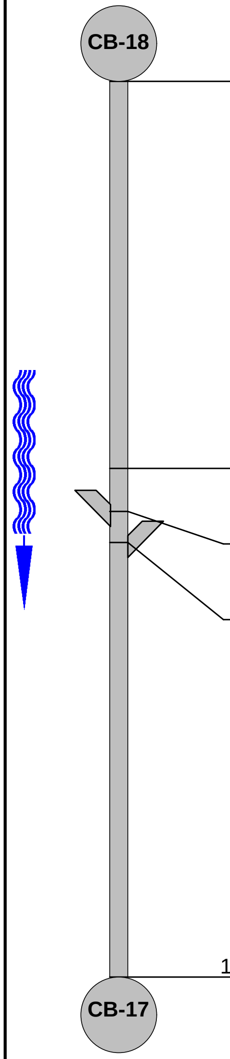
Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
9/9/2014		**Dry**	**Joe Blahowicz**		**23**
Certificate No.	Survey Customer	System Owner	Preset :	Pre-Cleaning	Sewer Category
X				**No Pre-Cleaning**	

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-18**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-17**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Downstream**
Location Code	**Parking Lot**	Length surveyed	**145.72 ft**	Section Length	**145.72 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**15.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



Position	Code	Observation	MPEG	Photo	Grade
0.00	AMH	Upstream Manhole, Survey Begins / CB-18 to CB-17	00:00:00		
62.95	MGP	General Photograph / Sediment/Mud	00:04:19	23_2A	
69.97	TB	Tap Break-In, at 02 o'clock, 4", within 8 inches of joint: YES	00:02:20	23_2A	
75.03	TB	Tap Break-In, at 10 o'clock, 4", within 8 inches of joint: YES	00:02:37	23_3A	
145.72	AMH	Downstream Manhole, Survey Ends / CB-17	00:04:19	23_4A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**23**

Photo: 23_2A, MPEG #: 090914_1, 00:04:19
62.95FT, General Photograph

Photo: 23_2A, MPEG #: 090914_1, 00:02:20
69.97FT, Tap Break-In, at 02 o'clock, 4", within 8 inches of joint: YES

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**23**

Photo: 23_3A, MPEG #: 090914_1, 00:02:37
75.03FT, Tap Break-In, at 10 o'clock, 4", within 8 inches of joint: YES

Photo: 23_4A, MPEG #: 090914_1, 00:04:19
145.72FT, Downstream Manhole, Survey Ends

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

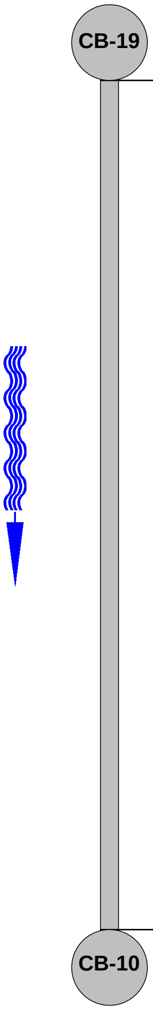
Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
9/9/2014		**Dry**	**Joe Blahowicz**		**24**
Certificate No.	Survey Customer	System Owner	Preset :	Pre-Cleaning	Sewer Category
X				**No Pre-Cleaning**	

Street	**S. Main St**	Use of Sewer	**Stormwater**	Upstream MH	**CB-19**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-10**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Downstream**
Location Code	**Parking Lot**	Length surveyed	**33.17 ft**	Section Length	**33.17 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**18.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:90	Position	Code	Observation	MPEG	Photo	Grade
	0.00	AMH	Upstream Manhole, Survey Begins / CB-19 to CB-10	00:00:01		
	33.17	AMH	Downstream Manhole, Survey Ends / CB-10	00:01:15	24_2A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St**			**24**

Photo: 24_2A, MPEG #: 090914_1, 00:01:15
33.17FT, Downstream Manhole, Survey Ends

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

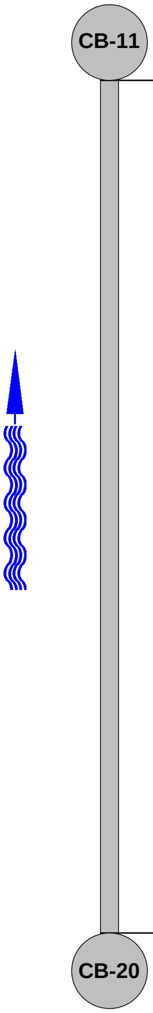
Inspection Report / Inspection: 1

Date **9/9/2014**	P/O. No.	Weather **Dry**	Surveyor's Name **Joe Blahowicz**	Pipe Segment Reference	Section No. **25**
Certificate No. **X**	Survey Customer	System Owner	Preset :	Pre-Cleaning **No Pre-Cleaning**	Sewer Category

Street	**South Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-20**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-11**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Upstream**
Location Code	**Yard**	Length surveyed	**49.98 ft**	Section Length	**49.98 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**12.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:135 Position	Code	Observation	MPEG	Photo	Grade
0.00	AMH	Downstream Manhole, Survey Begins / CB-11 to CB-20	00:00:00		
49.98	AMH	Upstream Manhole, Survey Ends / CB-20	00:01:44	25_2A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**South Main St.**			**25**

Photo: 25_2A, MPEG #: 090914_1, 00:01:44
49.98FT, Upstream Manhole, Survey Ends

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

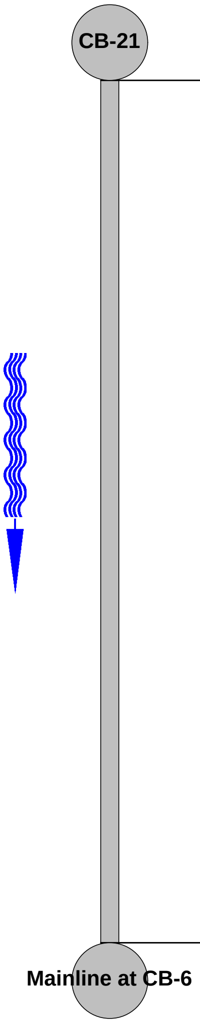
Inspection Report / Inspection: 1

Date **9/10/2014**	P/O. No.	Weather **Dry**	Surveyor's Name **Joe Blahowicz**	Pipe Segment Reference	Section No. **26**
Certificate No. **X**	Survey Customer	System Owner	Preset :	Pre-Cleaning **No Pre-Cleaning**	Sewer Category

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-21**
City	**Elmira**	Drainage Area		Dowstream MH	**Mainline at CB-6**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Downstream**
Location Code	**Parking Lot**	Length surveyed	**56.16 ft**	Section Length	**56.16 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**12.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:150 Position	Code	Observation	MPEG	Photo	Grade
0.00	AMH	Upstream Manhole, Survey Begins / CB-21 to Mainline	00:00:00		
56.16	AMH	Downstream Manhole, Survey Ends / Connection to CB-6	00:02:40	26_2A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	0000	0	0	0		0	0

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**26**

Photo: 26_2A, MPEG #: 090914_1, 00:02:40
56.16FT, Downstream Manhole, Survey Ends

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

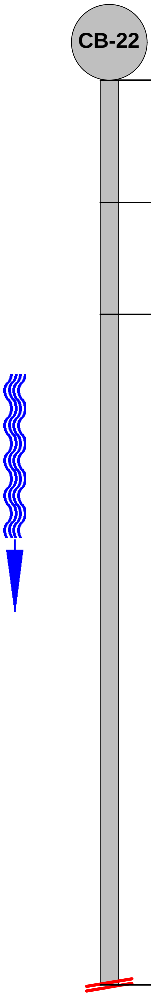
Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
9/10/2014		**Dry**	**Joe Blahowicz**		**27**
Certificate No.	Survey Customer	System Owner	Preset :	Pre-Cleaning	Sewer Category
X				**No Pre-Cleaning**	

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-22**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-6**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Downstream**
Location Code	**Sidewalk**	Length surveyed	**135.50 ft**	Section Length	**135.50 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**24.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:345	Position	Code	Observation	MPEG	Photo	Grade
	0.00	AMH	Upstream Manhole, Survey Begins / CB-22 to CB-6	00:00:00		
	18.31	OBR	Obstacles Rocks, 5 %of cross sectional area, from 05 to 07 o'clock	00:00:46	27_2A	M 2
	35.04	MGO	General Observation / Chiller Plate Access.	00:02:12	27_3A	
	135.50	MSA	Survey Abandoned / Reverse Inspection complete.	00:04:49	27_4A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**2100**	**0**	**2**	**2**		**2**	**2**

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**27**

Photo: 27_2A, MPEG #: 090914_1, 00:00:46
18.31FT, Obstacles Rocks, 5 %of cross sectional area, from 05 to 07 o'clock

Photo: 27_3A, MPEG #: 090914_1, 00:02:12
35.04FT, General Observation

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**27**

Photo: 27_4A, MPEG #: 090914_1, 00:04:49
135.5FT, Survey Abandoned

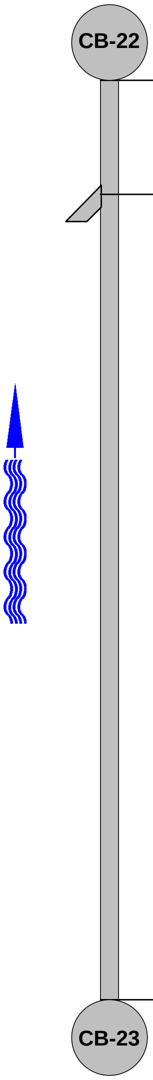
Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
9/10/2014		**Dry**	**Joe Blahowicz**		**28**
Certificate No.	Survey Customer	System Owner	Preset :	Pre-Cleaning	Sewer Category
X				**No Pre-Cleaning**	

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-23**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-22**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Upstream**
Location Code	**Parking Lot**	Length surveyed	**53.90 ft**	Section Length	**53.90 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**24.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:135	Position	Code	Observation	MPEG	Photo	Grade
	0.00	AMH	Downstream Manhole, Survey Begins / CB-22 to CB-23	00:00:00		
	6.70	TBC	Tap Break-In Capped, at 02 o'clock, 10", within 8 inches of joint: YES	00:02:44	28_2A	M 2
	53.90	AMH	Upstream Manhole, Survey Ends / CB-23	00:03:38	28_3A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**2100**	**0**	**2**	**2**		**2**	**2**

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**28**

Photo: 28_2A, MPEG #: 090914_1, 00:02:44
6.7FT, Tap Break-In Capped, at 02 o'clock, 10", within 8 inches of joint: YES

Photo: 28_3A, MPEG #: 090914_1, 00:03:38
53.9FT, Upstream Manhole, Survey Ends

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

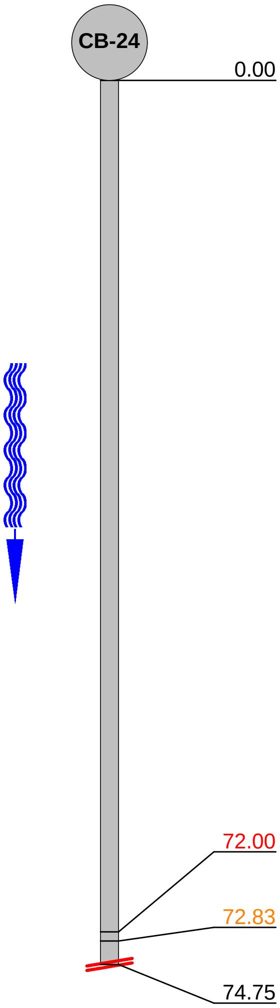
Inspection Report / Inspection: 1

Date **9/10/2014**	P/O. No.	Weather **Dry**	Surveyor's Name **Joe Blahowicz**	Pipe Segment Reference	Section No. **29**
Certificate No. **X**	Survey Customer	System Owner	Preset :	Pre-Cleaning **No Pre-Cleaning**	Sewer Category

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-24**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-1**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Downstream**
Location Code	**Yard**	Length surveyed	**74.75 ft**	Section Length	**74.75 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**24.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:195	**Position**	**Code**	**Observation**	**MPEG**	**Photo**	**Grade**
	0.00	AMH	Upstream Manhole, Survey Begins / CB-24 to CB-1	00:00:00		
	72.00	HSV	Hole Soil Visible, from 09 to 10 o'clock, within 8 inches of joint: YES	00:00:21	29_2A	S 5
	72.83	B	Broken, at 03 o'clock, within 8 inches of joint: YES	00:03:18	29_3A	S 3
	74.75	MSA	Survey Abandoned / Cannot Proceed due to break/blockage	00:04:09	29_4A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5131	**0000**	**8**	**0**	**8**		**0**	**4**

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**29**

Photo: 29_2A, MPEG #: 090914_1, 00:00:21
72FT, Hole Soil Visible, from 09 to 10 o'clock, within 8 inches of joint: YES

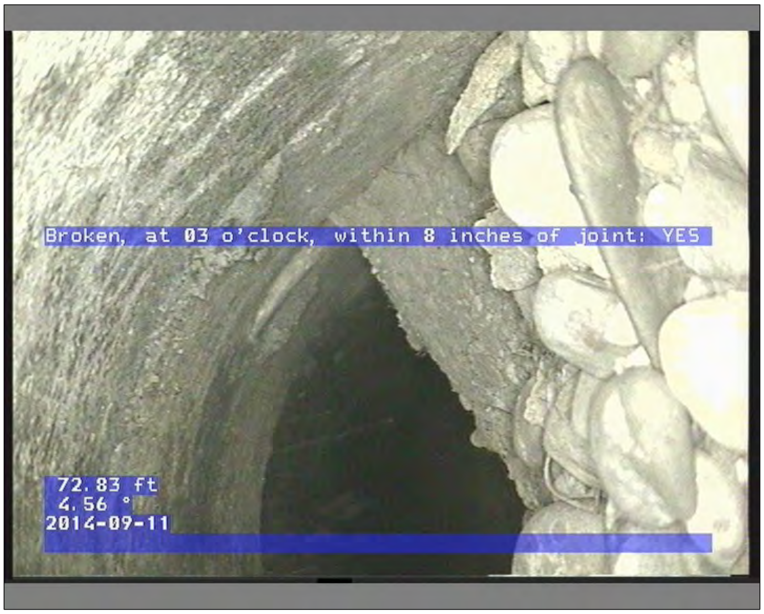


Photo: 29_3A, MPEG #: 090914_1, 00:03:18
72.83FT, Broken, at 03 o'clock, within 8 inches of joint: YES

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**29**

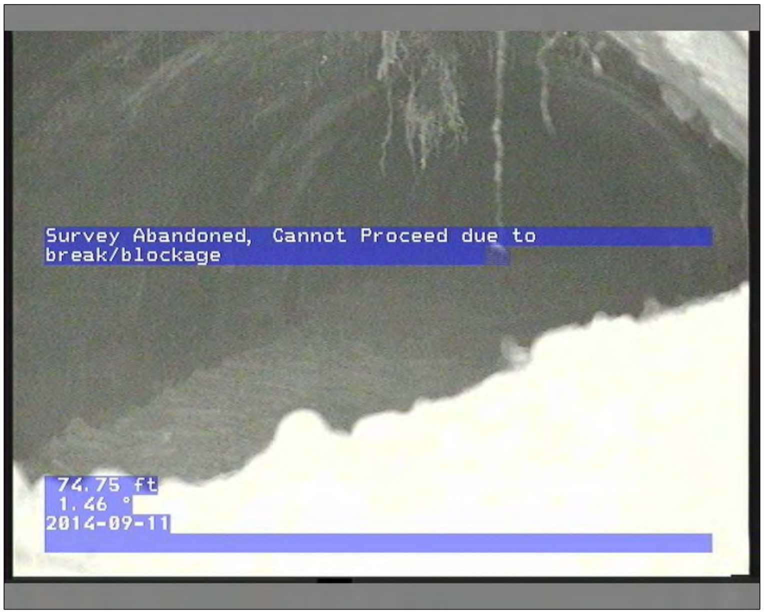


Photo: 29_4A, MPEG #: 090914_1, 00:04:09
74.75FT, Survey Abandoned

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

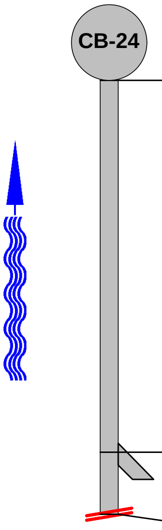
Inspection Report / Inspection: 1

Date **9/11/2014**	P/O. No.	Weather **Dry**	Surveyor's Name **Joe Blahowicz**	Pipe Segment Reference	Section No. **30**
Certificate No. **X**	Survey Customer	System Owner	Preset :	Pre-Cleaning **No Pre-Cleaning**	Sewer Category

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**TO NNE**
City	**Elmira**	Drainage Area		Dowstream MH	**CB-24**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Upstream**
Location Code	**Yard**	Length surveyed	**9.40 ft**	Section Length	**9.40 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**24.00 inch**
Year Rehabilitated		Material	**Concrete Pipe (non-reinforced)**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:50	Position	Code	Observation	MPEG	Photo	Grade
	0.00	AMH	Downstream Manhole, Survey Begins / CB-24 to NNE	00:00:00		
	8.08	TB	Tap Break-In, at 09 o'clock, 10", within 8 inches of joint: YES / From West	00:00:45	30_2A	
	9.40	MSA	Survey Abandoned / Cannot Proceed due to Intruding lateral	00:04:31	30_3A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**30**

Photo: 30_2A, MPEG #: 090914_1, 00:00:45
8.08FT, Tap Break-In, at 09 o'clock, 10", within 8 inches of joint: YES

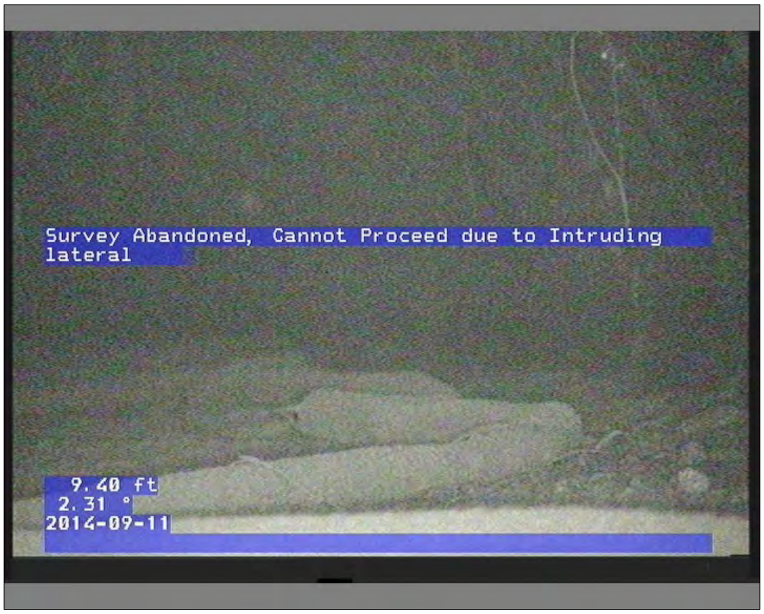


Photo: 30_3A, MPEG #: 090914_1, 00:04:31
9.4FT, Survey Abandoned

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

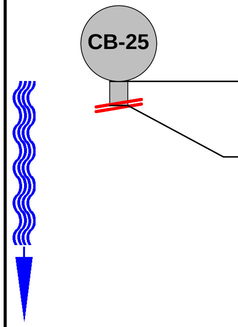
Inspection Report / Inspection: 1

Date **9/11/2014**	P/O. No.	Weather **Dry**	Surveyor's Name **Joe Blahowicz**	Pipe Segment Reference	Section No. **31**
Certificate No. **X**	Survey Customer	System Owner	Preset :	Pre-Cleaning **No Pre-Cleaning**	Sewer Category

Street	**S. Main St.**	Use of Sewer	**Stormwater**	Upstream MH	**CB-25**
City	**Elmira**	Drainage Area		Dowstream MH	**To School**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Downstream**
Location Code	**Yard**	Length surveyed	**0.53 ft**	Section Length	**0.53 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**30.00 inch**
Year Rehabilitated		Material	**Clay Tile**
Tape / Media No.	**X**	Lining Method	**Segmented Pipe**

Add. Information :



1:50	Position	Code	Observation	MPEG	Photo	Grade
	0.00	AMH	Upstream Manhole, Survey Begins / CB-25 to School property.	00:00:00		
	0.53	MSA	Survey Abandoned / Sewer Inlet was Bulkheaded.	00:00:33	31_2A	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**0000**	**0**	**0**	**0**		**0**	**0**

Kandey Company INC.
19 Ransier Dr.
West Seneca
Tel: (716) 675-7245
Fax: (716) 675-4957
E-mail: Jblahowicz@kandeycompany.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
Elmira	**S. Main St.**			**31**

Photo: 31_2A, MPEG #: 090914_1, 00:00:33
0.53FT, Survey Abandoned

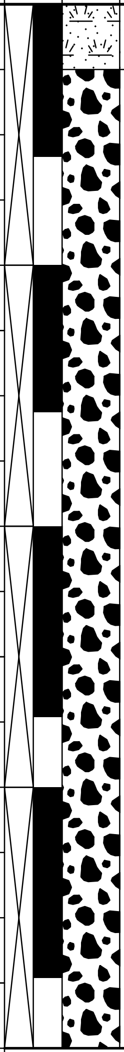
APPENDIX C
Soil Boring Logs

Geosyntec consultants
engineers | scientists | innovators

BORING B26A

PAGE 1 OF 1

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 8/14/14 **COMPLETED** 8/14/14
NORTHING 754068 ft **EASTING** 762494 ft
DRILLER Zebra Environmental
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 5 feet
UTILITY CONTRACTOR New York Leak Detection
RIG TYPE Geoprobe
LOGGED BY M. Bauer **CHECKED BY** A. Gray
NOTES PID: ambient air 0.0 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	Topsoil	1.1
		0.8
	Dense, WELL GRADED GRAVEL WITH SAND, trace silt, fine to coarse grained, moist, brown	0.3
		0.3
		0.2
		0.1
		0.1
		0.1
		0
		0
5		0
		0.2
		0.3
		0.3
		0.2
		0.2
		0
		0
		0
		0
10		0
		0.1
		0
		0
		0
		0
		0
		0
		0
		0
15	Becomes wet	0
		0

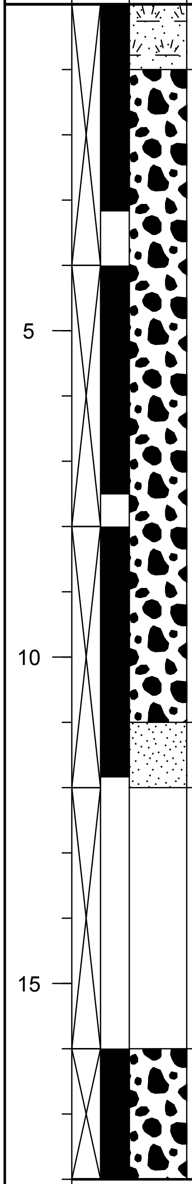
Bottom of borehole at 16.0 feet.

Geosyntec consultants
engineers | scientists | innovators

BORING B29A

PAGE 1 OF 1

CLIENT Unisys		**PROJECT NAME** Former Sperry Remington North	
PROJECT NUMBER MN0832		**PROJECT LOCATION** Elmira, New York	
DATE STARTED 8/13/14	**COMPLETED** 8/13/14	**NORTHING** 754120 ft	**EASTING** 762476 ft
DRILLER Zebra Environmental		**GROUND ELEVATION** ---	**BORING DIAMETER** 2 in
DRILLING METHOD Direct Push		**TOP OF CASING ELEVATION** ---	
SAMPLING METHOD 5 feet		**UTILITY CONTRACTOR** New York Leak Detection	
RIG TYPE Geoprobe		**LOGGED BY** M. Bauer	**CHECKED BY** A. Gray
NOTES PID: ambient air 0.5 ppm			



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	Topsoil	0.6 0.5
	Dense, WELL GRADED GRAVEL WITH SAND, some silt, fine to coarse grained, moist, brown	0.5 0.6 0.5 0.5 0.5 0.6
5 10	Becomes medium to coarse sand, silt	0.8 0.7 0.6 0.6 0.7 0.9 1 1 1.1 0.9 0.9 1 1 1
	Loose, POORLY GRADED SAND, medium grained, moist, gray, some odor	1.1 4.6
15	No recovery	23
	Dense, WELL GRADED GRAVEL WITH SAND, some silt, fine to coarse grained, wet, dark gray, some odor, staining	85.2 60
	Bottom of borehole at 18.0 feet.	32

BORING B42A

PAGE 1 OF 1

CLIENT Unisys

PROJECT NAME Former Sperry Remington North

PROJECT NUMBER MN0832

PROJECT LOCATION Elmira, New York

DATE STARTED 8/15/14 **COMPLETED** 8/15/14

NORTHING 755282 ft **EASTING** 761737 ft

DRILLER Zebra Environmental

GROUND ELEVATION --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push

TOP OF CASING ELEVATION ---

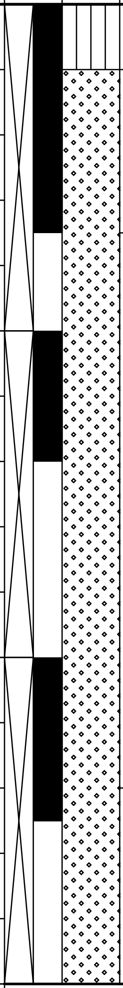
SAMPLING METHOD 5 feet

UTILITY CONTRACTOR New York Leak Detection

RIG TYPE Geoprobe

LOGGED BY A. Wadhawan **CHECKED BY** A. Gray

NOTES PID: ambient air 0.1 ppm



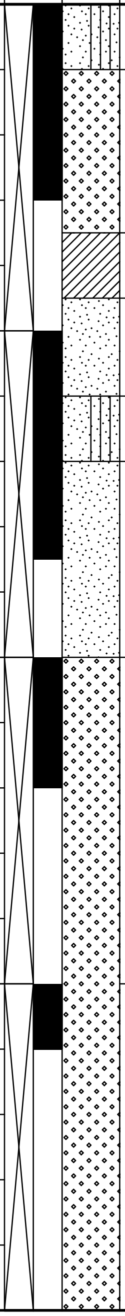
DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	SANDY SILT, fine grained, moist, brown	0
		0
	WELL GRADED SAND WITH GRAVEL, medium to coarse grained, dry to moist, brown and black	0.3
		0.3
		0
		0
		0
	WELL GRADED SAND WITH SILT, fine to coarse grained, moist, brown	0
		0
		0
5		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
10		0
		0
		0.1
		0
	WELL GRADED SAND WITH GRAVEL, medium to coarse grained, moist, brown	0.1
		0
		0.1
		0.1
		0.1
	Becomes wet	0.1
15	Bottom of borehole at 15.0 feet.	

Geosyntec consultants
engineers | scientists | innovators

BORING B43A

PAGE 1 OF 1

CLIENT	Unisys	**PROJECT NAME**	Former Sperry Remington North
PROJECT NUMBER	MN0832	**PROJECT LOCATION**	Elmira, New York
DATE STARTED	8/15/14 **COMPLETED** 8/15/14	**NORTHING**	755390 ft **EASTING** 761687 ft
DRILLER	Zebra Environmental	**GROUND ELEVATION**	--- **BORING DIAMETER** 2 in
DRILLING METHOD	Direct Push	**TOP OF CASING ELEVATION**	---
SAMPLING METHOD	5 feet	**UTILITY CONTRACTOR**	New York Leak Detection
RIG TYPE	Geoprobe	**LOGGED BY**	A. Wadhawan **CHECKED BY** A. Gray
NOTES	PID: ambient air 0.1 ppm		



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	POORLY GRADED SAND WITH SILT, fine grained, moist, brown	0.1 7.1
	WELL GRADED SAND WITH GRAVEL, medium to coarse grained, dry, brown and black	3.5 2.3 2.3 0.8 0.7
	SANDY LEAN CLAY, trace gravel, trace cobbles, moist, gray and brown, medium plasticity	0.4 0.7
5	POORLY GRADED SAND, fine to coarse grained, moist, brown	0.7 0.5 0.1
	WELL GRADED SAND WITH GRAVEL, medium to coarse grained, moist, brown	0.1 0.1
	POORLY GRADED SAND, trace gravel, medium to coarse grained, moist, brown	0.1 0.1 0.1 0.1 0.1 0.1
10	WELL GRADED SAND WITH GRAVEL, medium to coarse grained, moist, brown	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
15	WELL GRADED SAND WITH GRAVEL, medium to coarse grained, saturated, brown	

Bottom of borehole at 20.0 feet.

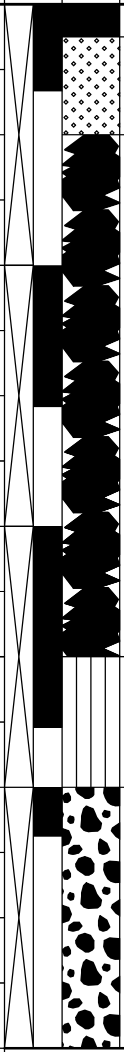
Geosyntec consultants

engineers | scientists | innovators

BORING B64

PAGE 1 OF 1

CLIENT	Unisys	**PROJECT NAME**	Former Sperry Remington North
PROJECT NUMBER	MN0832	**PROJECT LOCATION**	Elmira, New York
DATE STARTED	8/14/14	**COMPLETED**	8/14/14
NORTHING	753799 ft	**EASTING**	762703 ft
DRILLER	Zebra Environmental	**GROUND ELEVATION**	---
BORING DIAMETER	2 in	**DRILLING METHOD**	Direct Push
TOP OF CASING ELEVATION	---	**SAMPLING METHOD**	5 feet
UTILITY CONTRACTOR	New York Leak Detection	**RIG TYPE**	Geoprobe
LOGGED BY	M. Bauer	**CHECKED BY**	A. Gray
NOTES	PID: ambient air 0.0 ppm		



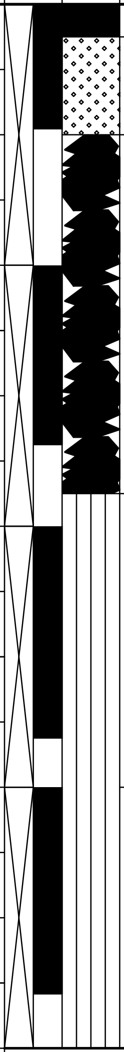
DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT WELL GRADED SAND WITH GRAVEL, dry to moist, brown, fill material	0
		0
	Black, ash like material	0
		0
		0
5		0
		0
		0
		0
		0.1
10	Soft, SILT, moist, brown	0
		0
	Dense, WELL GRADED GRAVEL WITH SAND, trace silt, wet, light brown	0
		0
		0
15		0

Bottom of borehole at 16.0 feet.

Geosyntec consultants
engineers | scientists | innovators

BORING B65
PAGE 1 OF 1

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 8/14/14 **COMPLETED** 8/14/14
NORTHING 753702 ft **EASTING** 762742 ft
DRILLER Zebra Environmental
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 5 feet
UTILITY CONTRACTOR New York Leak Detection
RIG TYPE Geoprobe
LOGGED BY M. Bauer **CHECKED BY** A. Gray
NOTES PID: ambient air 0.0 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	0.1
	WELL GRADED SAND WITH GRAVEL, fill material	
		0.2
	Black, ash like material	0.1
		0
		0.6
5		0.3
		0
		0
	Dense, SANDY SILT, moist, light brown	
		0
		0
10		0
		0
	Loose, GRAVELLY SILT, some sand, fine grained, light brown	0
		0
		0
15		0

Bottom of borehole at 16.0 feet.

Geosyntec consultants

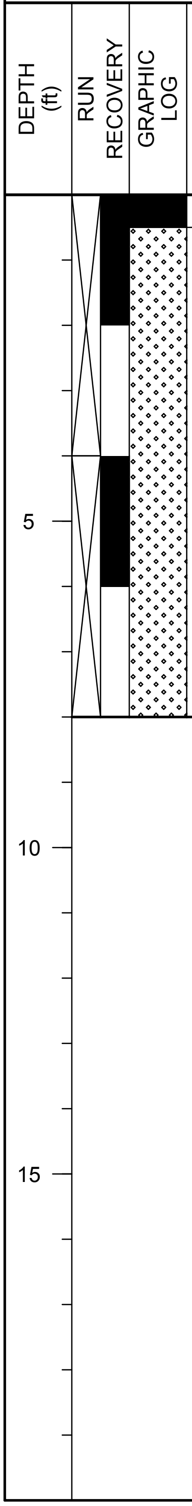
engineers | scientists | innovators

BORING B66

PAGE 1 OF 1

CLIENT	Unisys	**PROJECT NAME**	Former Sperry Remington North
PROJECT NUMBER	MN0832	**PROJECT LOCATION**	Elmira, New York
DATE STARTED	8/14/14	**NORTHING**	753769 ft
COMPLETED	8/14/14	**EASTING**	762634 ft
DRILLER	Zebra Environmental	**GROUND ELEVATION**	---
		BORING DIAMETER	2 in
DRILLING METHOD	Direct Push	**TOP OF CASING ELEVATION**	---
SAMPLING METHOD	5 feet	**UTILITY CONTRACTOR**	New York Leak Detection
RIG TYPE	Geoprobe	**LOGGED BY**	M. Bauer
		CHECKED BY	A. Gray

NOTES PID: ambient air 0.0 ppm



MATERIAL DESCRIPTION	PID (ppm)
ASPHALT	0.1
WELL GRADED SAND WITH GRAVEL, fill material	0.1
	0.1
	0.1
	0
	0
	0
	0

Refusal at 8.0 feet.
Bottom of borehole at 8.0 feet.

Geosyntec consultants

engineers | scientists | innovators

BORING B67

PAGE 1 OF 1

CLIENT Unisys

PROJECT NAME Former Sperry Remington North

PROJECT NUMBER MN0832

PROJECT LOCATION Elmira, New York

DATE STARTED 8/14/14 **COMPLETED** 8/14/14

NORTHING 753674 ft **EASTING** 762684 ft

DRILLER Zebra Environmental

GROUND ELEVATION --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push

TOP OF CASING ELEVATION ---

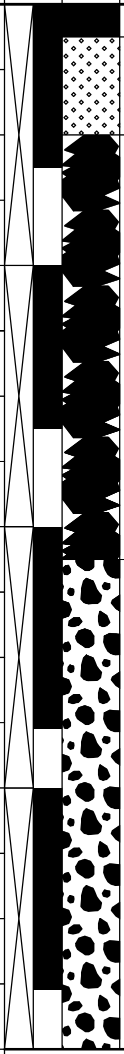
SAMPLING METHOD 5 feet

UTILITY CONTRACTOR New York Leak Detection

RIG TYPE Geoprobe

LOGGED BY M. Bauer **CHECKED BY** A. Gray

NOTES PID: ambient air 0.0 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	0
	WELL GRADED SAND WITH GRAVEL, fill material	0
	Black, fill material, ash like material	0
		0
		0.1
5		0
		0
		0
		0.1
	Very dense, WELL GRADED GRAVEL WITH SAND, trace silt, fine to medium grained, moist, orangeish brown	0.1
10		0.1
		0.1
		0
		0
	Becomes wet	0
15		0

Bottom of borehole at 16.0 feet.

BORING B68

PAGE 1 OF 1

CLIENT Unisys

PROJECT NAME Former Sperry Remington North

PROJECT NUMBER MN0832

PROJECT LOCATION Elmira, New York

DATE STARTED 8/14/14 **COMPLETED** 8/14/14

NORTHING 753740 ft **EASTING** 762578 ft

DRILLER Zebra Environmental

GROUND ELEVATION --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push

TOP OF CASING ELEVATION ---

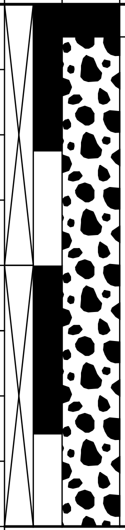
SAMPLING METHOD 5 feet

UTILITY CONTRACTOR New York Leak Detection

RIG TYPE Geoprobe

LOGGED BY M. Bauer **CHECKED BY** A. Gray

NOTES PID: ambient air 0.0 ppm



DEPTH (ft)	RUN RECOVERY	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0			ASPHALT	0.2
			WELL GRADED GRAVEL WITH SAND, fill material, bricks	0.1
				0.1
				0.1
				0
				0
5				0.8
				0.2
				2.5
				2.1
				0.7
				0.8

Refusal at 8.0 feet.
Bottom of borehole at 8.0 feet.

10

15

Geosyntec consultants

engineers | scientists | innovators

BORING B69

PAGE 1 OF 1

CLIENT Unisys

PROJECT NAME Former Sperry Remington North

PROJECT NUMBER MN0832

PROJECT LOCATION Elmira, New York

DATE STARTED 8/14/14 **COMPLETED** 8/14/14

NORTHING 753646 ft **EASTING** 762614 ft

DRILLER Zebra Environmental

GROUND ELEVATION --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push

TOP OF CASING ELEVATION ---

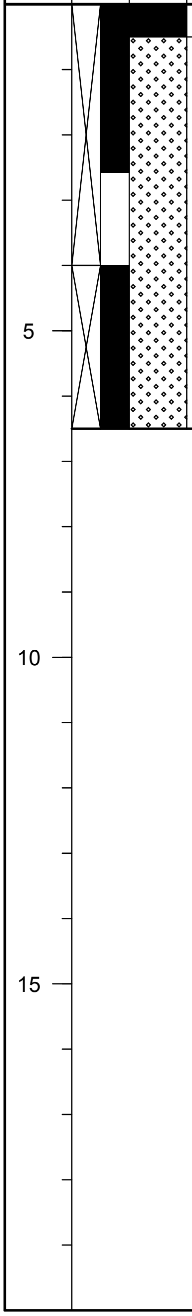
SAMPLING METHOD 5 feet

UTILITY CONTRACTOR New York Leak Detection

RIG TYPE Geoprobe

LOGGED BY M. Bauer **CHECKED BY** A. Gray

NOTES PID: ambient air 0.0 ppm



MATERIAL DESCRIPTION	PID (ppm)
ASPHALT	0.1
WELL GRADED SAND WITH GRAVEL, brown to black, fill material, wood and debris	0.1
	0
	0
	0.1
	0.1
	0.1
	0.1
	0.3
	0.1
	0.2
	0.1
	0
Refusal at 6.5 feet. Bottom of borehole at 6.5 feet.	0.1

Geosyntec consultants

engineers | scientists | innovators

BORING B70

PAGE 1 OF 1

CLIENT Unisys

PROJECT NAME Former Sperry Remington North

PROJECT NUMBER MN0832

PROJECT LOCATION Elmira, New York

DATE STARTED 8/14/14 **COMPLETED** 8/14/14

NORTHING 754303 ft **EASTING** 762090 ft

DRILLER Zebra Environmental

GROUND ELEVATION --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push

TOP OF CASING ELEVATION ---

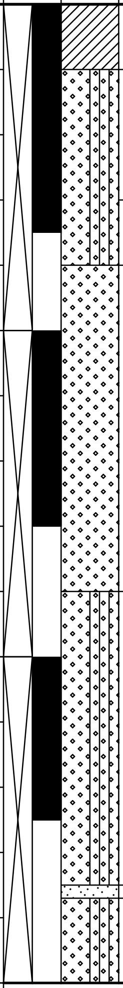
SAMPLING METHOD 5 feet

UTILITY CONTRACTOR New York Leak Detection

RIG TYPE Geoprobe

LOGGED BY N. Gutschow **CHECKED BY** A. Gray

NOTES PID: ambient air 0.1 - 0.4 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	LEAN CLAY, moist, brown, low plasticity	0.1
		0.1
	WELL GRADED SAND WITH SILT AND GRAVEL, fine to coarse grained, moist, brown	0.1
		0.1
		0.1
		0.2
	WELL GRADED SAND WITH SILT AND GRAVEL, medium to coarse grained, moist, brown	0.4
		0.5
	WELL GRADED SAND WITH GRAVEL, medium to coarse grained, moist, black and brown	0.8
		1.1
5		1.2
		1.2
		1.1
		1.1
		1.3
		1.5
		2.1
		2.4
	WELL GRADED SAND WITH SILT AND GRAVEL, medium to coarse grained, moist, black and gray	1.9
		1.7
10		1.8
		1.2
		1.1
		1.2
		1.3
		1.4
		1.5
	POORLY GRADED SAND, fine grained, black	1.6
	WELL GRADED SAND WITH SILT AND GRAVEL, medium to coarse grained, moist, black and gray	1.3
		1.1
15		

Bottom of borehole at 15.0 feet.

BORING B71

PAGE 1 OF 1

CLIENT Unisys

PROJECT NAME Former Sperry Remington North

PROJECT NUMBER MN0832

PROJECT LOCATION Elmira, New York

DATE STARTED 8/15/14 **COMPLETED** 8/15/14

NORTHING 754671 ft **EASTING** 761629 ft

DRILLER Zebra Environmental

GROUND ELEVATION --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push

TOP OF CASING ELEVATION ---

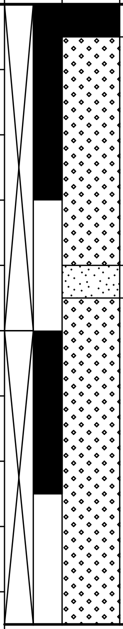
SAMPLING METHOD 5 feet

UTILITY CONTRACTOR New York Leak Detection

RIG TYPE Geoprobe

LOGGED BY A. Wadhawan **CHECKED BY** A. Gray

NOTES PID: ambient air 0.0 - 0.1 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	0.2
	WELL GRADED SAND WITH GRAVEL, medium to coarse grained, moist, brown	0.2
		0.8
		0.5
		0.5
		1.1
		1.1
		0.5
	POORLY GRADED SAND, fine grained, moist, brown	0.3
	WELL GRADED SAND WITH GRAVEL, medium to coarse grained, moist, brown	0.3
5		0.1
		0.1
		0.1
		0.6
		0.6
		0.5
		0.5
		0.3
		0.6

Refusal at 9.5 feet.
Bottom of borehole at 9.5 feet.

10

15

Geosyntec consultants
engineers | scientists | innovators

BORING B72

PAGE 1 OF 1

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 8/15/14 **COMPLETED** 8/15/14
NORTHING 754608 ft **EASTING** 761648 ft
DRILLER Zebra Environmental
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 5 feet
UTILITY CONTRACTOR New York Leak Detection
RIG TYPE Geoprobe
LOGGED BY A. Wadhawan **CHECKED BY** A. Gray
NOTES PID: ambient air 0.1 ppm

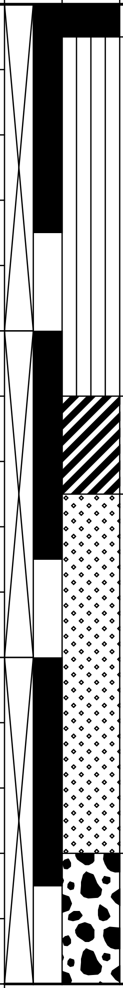
DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	CLAYEY SAND, fine grained, moist, brown, low plasticity	0
		0
	WELL GRADED SAND WITH GRAVEL, medium to coarse grained, dry, brown	0
		0
		0.1
		0
		0
		0
		0.1
		0.1
5		0.1
		0.1
		0.1
		0
		0.1
		0.1
	SILTY SAND, trace gravel, fine grained, moist, brown	0.1
		0.2
		0.1
		0.1
10	POORLY GRADED SAND, medium grained, saturated, brown	0.1
		0.1
	WELL GRADED SAND WITH GRAVEL, medium to coarse grained, moist, brown	0.1
		0.1
		0.1
	POORLY GRADED SAND, medium grained, moist, brown	0.1
	WELL GRADED SAND WITH GRAVEL, medium to coarse grained, moist, brown	0.1
		0.1
		0.1
	Becomes wet	0.1
15	Bottom of borehole at 15.0 feet.	

Geosyntec consultants
engineers | scientists | innovators

BORING B73

CLIENT	Unisys	**PROJECT NAME**	Former Sperry Remington North
PROJECT NUMBER	MN0832	**PROJECT LOCATION**	Elmira, New York
DATE STARTED	8/13/14	**COMPLETED**	8/13/14
NORTHING	753905 ft	**EASTING**	761917 ft
DRILLER	Zebra Environmental	**GROUND ELEVATION**	---
BORING DIAMETER	2 in	**DRILLING METHOD**	Direct Push
TOP OF CASING ELEVATION	---	**SAMPLING METHOD**	5 feet
UTILITY CONTRACTOR	New York Leak Detection	**RIG TYPE**	Geoprobe
LOGGED BY	N. Gutschow	**CHECKED BY**	A. Gray

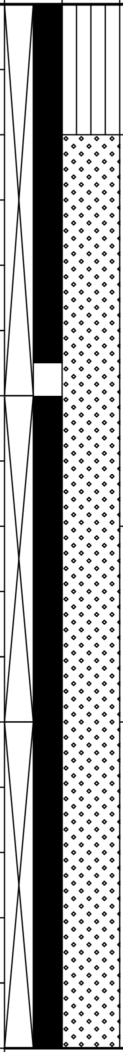
NOTES PID: ambient air 0.1 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	0
	Medium dense, SILT WITH SAND, with gravel, medium grained, moist, brown and gray	0.1
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
5		0.1
		0.1
	Soft, LEAN CLAY WITH SAND, some silt, wet, gray, low to medium plasticity	0.1
		0.1
		0.1
	WELL GRADED SAND WITH GRAVEL, coarse grained, moist, brown	0.1
		0.1
		0.1
		0.1
		0.1
10		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
	WELL GRADED GRAVEL WITH SAND, coarse grained, moist, brown	0.1
		0.1
		0.1
	Becomes wet	0.1
15	Bottom of borehole at 15.0 feet.	

BORING B74

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/14 **COMPLETED** 8/13/14
NORTHING 753853 ft **EASTING** 761935 ft
DRILLER Zebra Environmental
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 5 feet
UTILITY CONTRACTOR New York Leak Detection
RIG TYPE Geoprobe
LOGGED BY N. Gutschow **CHECKED BY** A. Gray
NOTES PID: ambient air 0.1 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	Medium dense, GRAVELLY SILT WITH SAND, trace gravel, fine grained, dry, brown	0
		0.1
		0.1
		0.2
	WELL GRADED SAND WITH GRAVEL, coarse grained, moist, brown and white	0.2
		0.3
		0.2
		0.1
		0.2
		0.3
5		0.3
		0.2
		0.2
		0.1
		0.2
		0.1
	WELL GRADED SAND WITH GRAVEL, with gravel, coarse grained, moist, brown	0.1
		0.2
		0.1
		0.1
10		0.2
		0.1
	WELL GRADED SAND, coarse grained, moist to wet, brown	0.1
		0.1
		0.1
		0.1
		0.2
		0.1
		0.1
	Becomes wet	0.1
15		0.1
		0.1

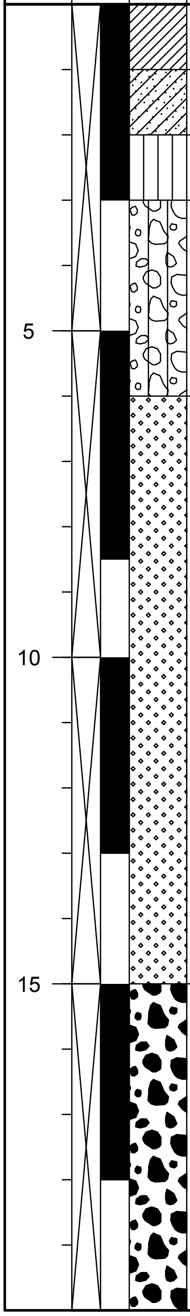
Bottom of borehole at 16.0 feet.

Geosyntec consultants
engineers | scientists | innovators

BORING B75

PAGE 1 OF 1

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 8/14/14 **COMPLETED** 8/14/14
NORTHING 754721 ft **EASTING** 761851 ft
DRILLER Zebra Environmental
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 5 feet
UTILITY CONTRACTOR New York Leak Detection
RIG TYPE Geoprobe
LOGGED BY N. Gutschow **CHECKED BY** A. Gray
NOTES PID: ambient air 0.0 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	LEAN CLAY, moist, brown, medium plasticity	1.2
		1.3
	CLAYEY SAND WITH GRAVEL, medium grained, moist, brown	1.5
		1.9
	Medium dense, GRAVELLY SILT WITH SAND, moist, black	2
		2.3
	Medium dense, SILTY GRAVEL WITH SAND, moist, white and brown	1.7
		1.4
		1.3
		1.1
5		1.1
		1.3
	WELL GRADED SAND WITH GRAVEL, medium to coarse grained, moist, brown	1.7
		2
		2.1
		2
		1.9
		0.9
		0.7
		0.5
10		1.9
		2
		2.1
		2.3
		2.1
		1.9
		2
		1.8
		1.9
		1.8
15	WELL GRADED GRAVEL WITH SAND, medium to coarse grained, saturated, brown	1.4
		1.3
		0.9
		0.6
		0.7
		0.8
		1
		0.9
		0.8
		0.6

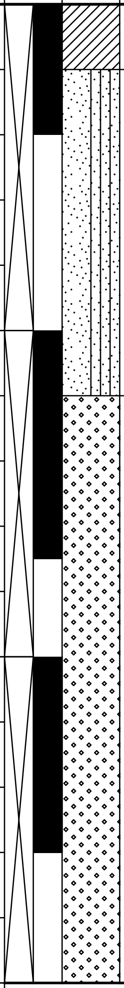
Bottom of borehole at 20.0 feet.

PAULS BH / TP / WELL - DEFAULT.GDT - 12/22/14 09:47 - P:\GINTPROJECTS\ELMIRA - MN0832.GPJ

Geosyntec consultants
engineers | scientists | innovators

BORING B76
PAGE 1 OF 1

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 8/14/14
COMPLETED 8/14/14
NORTHING 754690 ft
EASTING 761775 ft
DRILLER Zebra Environmental
GROUND ELEVATION ---
BORING DIAMETER 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 5 feet
UTILITY CONTRACTOR New York Leak Detection
RIG TYPE Geoprobe
LOGGED BY N. Gutschow
CHECKED BY A. Gray
NOTES PID: ambient air 0.0 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	GRAVELLY LEAN CLAY, moist, brown, low plasticity	0.3
		0.3
	POORLY GRADED SAND WITH SILT, fine to coarse grained, moist, brown	0
		0
		0.2
		0.3
		0.2
		0.1
		0
		0
5		0
		0
	WELL GRADED SAND WITH GRAVEL, coarse grained, moist, brown to gray	0
		0.3
		0.5
		0.1
		0
		0
		0
		0
10		0
		0
		0
		0
		0
		0
		0
		0
		0
	Becomes wet	0
15	Bottom of borehole at 15.0 feet.	

BORING B77

PAGE 1 OF 1

CLIENT Unisys

PROJECT NAME Former Sperry Remington North

PROJECT NUMBER MN0832

PROJECT LOCATION Elmira, New York

DATE STARTED 8/14/14 **COMPLETED** 8/14/14

NORTHING 754662 ft **EASTING** 761701 ft

DRILLER Zebra Environmental

GROUND ELEVATION --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push

TOP OF CASING ELEVATION ---

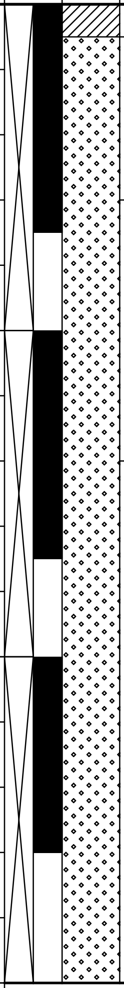
SAMPLING METHOD 5 feet

UTILITY CONTRACTOR New York Leak Detection

RIG TYPE Geoprobe

LOGGED BY N. Gutschow **CHECKED BY** A. Gray

NOTES PID: ambient air 0.0 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	LEAN CLAY, trace gravel, moist, brown, medium plasticity	0
	WELL GRADED SAND WITH GRAVEL, with silt, medium to coarse grained, moist, brown	0
		0
		0
		0
		0
	WELL GRADED SAND WITH GRAVEL, with silt, fine to coarse grained, moist, brown	0
		0
		0
		0
5		0
		0
		0
		0
	WELL GRADED SAND WITH GRAVEL, medium to coarse grained, moist, brown to gray	0
		0
		0
		0
		0
		0
10		0
		0
		0
		0
		0
		0
		0
		0
		0
	Becomes wet	0
15	Bottom of borehole at 15.0 feet.	

Geosyntec consultants

engineers | scientists | innovators

BORING B78

PAGE 1 OF 1

CLIENT Unisys

PROJECT NAME Former Sperry Remington North

PROJECT NUMBER MN0832

PROJECT LOCATION Elmira, New York

DATE STARTED 8/14/14 **COMPLETED** 8/14/14

NORTHING 754446 ft **EASTING** 761926 ft

DRILLER Zebra Environmental

GROUND ELEVATION --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push

TOP OF CASING ELEVATION ---

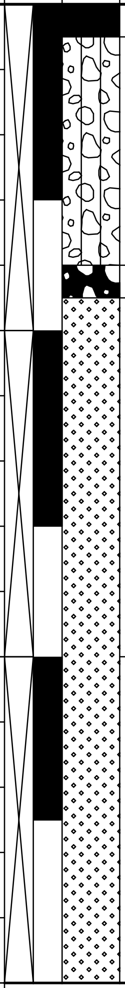
SAMPLING METHOD 5 feet

UTILITY CONTRACTOR New York Leak Detection

RIG TYPE Geoprobe

LOGGED BY N. Gutschow **CHECKED BY** A. Gray

NOTES PID: ambient air 0.0 ppm



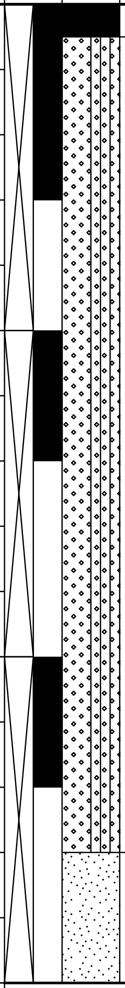
DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	0
	SILTY GRAVEL WITH SAND, brown and black, some brick pieces	0
		0
		0
		0
		0
		0
		0
	GRAVEL, dry, white	0
	WELL GRADED SAND WITH GRAVEL, medium to coarse grained, moist, brown	0
5		0
		0
		0
		0
		0
		0
		0
		0
		0
		0
10	WELL GRADED SAND WITH GRAVEL, fine to coarse grained, brown and whiteish gray	0
		0
		0
		0
		0
		0
		0
		0
		0
	Becomes wet	0
15	Bottom of borehole at 15.0 feet.	

Geosyntec consultants
engineers | scientists | innovators

BORING B79

PAGE 1 OF 1

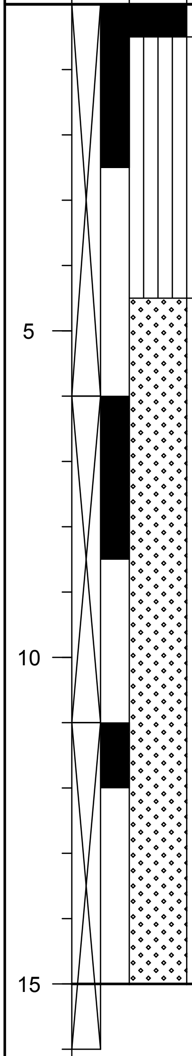
CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 8/14/14 **COMPLETED** 8/14/14
NORTHING 754421 ft **EASTING** 761854 ft
DRILLER Zebra Environmental
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 5 feet
UTILITY CONTRACTOR New York Leak Detection
RIG TYPE Geoprobe
LOGGED BY N. Gutschow **CHECKED BY** A. Gray
NOTES PID: ambient air 0.0 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	0
	WELL GRADED SAND WITH SILT AND GRAVEL, medium to coarse grained, moist, brown and black	0
		0
		0
		0
		0
		0
		0
		0
		0
5		0
		0
		0
		0
		0
		0
		0
		0
		0
		0
10		0
		0
		0
		0
		0
		0
	POORLY GRADED SAND, coarse grained, moist, brown	0
		0
		0
	Becomes wet	0
15	Bottom of borehole at 15.0 feet.	

BORING B80

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 8/14/14 **COMPLETED** 8/14/14
NORTHING 754391 ft **EASTING** 761776 ft
DRILLER Zebra Environmental
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 5 feet
UTILITY CONTRACTOR New York Leak Detection
RIG TYPE Geoprobe
LOGGED BY N. Gutschow **CHECKED BY** A. Gray
NOTES PID: ambient air 0.0 - 0.2 ppm



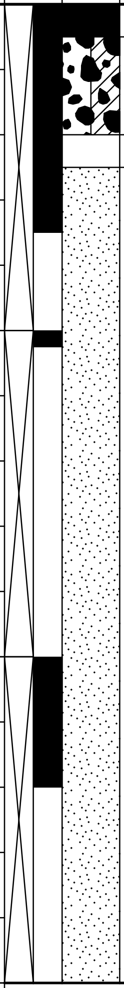
DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	0
	Medium dense, GRAVELLY SILT WITH SAND, moist, brown	0
		0
		0
		0
		0
		0
		0
		0
	WELL GRADED SAND WITH GRAVEL, dry, brown and whiteish gray	0
5		0
		0
		0
		0
		0
		0
		0
		0
		0
		0
10		0
		0
		0
		0
		0
		0
		0.8
		1
	Becomes wet	0.5
		0
15	Bottom of borehole at 15.0 feet.	

Geosyntec consultants
engineers | scientists | innovators

BORING B81

PAGE 1 OF 1

CLIENT	Unisys	**PROJECT NAME**	Former Sperry Remington North
PROJECT NUMBER	MN0832	**PROJECT LOCATION**	Elmira, New York
DATE STARTED	8/14/14 **COMPLETED** 8/14/14	**NORTHING**	754348 ft **EASTING** 761969 ft
DRILLER	Zebra Environmental	**GROUND ELEVATION**	--- **BORING DIAMETER** 2 in
DRILLING METHOD	Direct Push	**TOP OF CASING ELEVATION**	---
SAMPLING METHOD	5 feet	**UTILITY CONTRACTOR**	New York Leak Detection
RIG TYPE	Geoprobe	**LOGGED BY**	N. Gutschow **CHECKED BY** A. Gray
NOTES	PID: ambient air 1.1 ppm		



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	1.1
	WELL GRADED GRAVEL WITH CLAY, medium to coarse grained, moist, brown	1.1
		1.1
		1.1
	Wood construction debris, unknown odor	1.1
	POORLY GRADED SAND WITH GRAVEL, medium to coarse grained, moist, black and brown	1.1
		1.1
		1.1
		1.1
		1.1
5		1.1
		1.1
		1.1
		1.1
		1.1
		1.1
		1.1
		1.1
		1.1
		1.1
10		1.1
		1.1
		1.1
		1.1
		1.1
		1.1
	Becomes wet	1.1
		1.1
		1.1
		1.1
15	Bottom of borehole at 15.0 feet.	

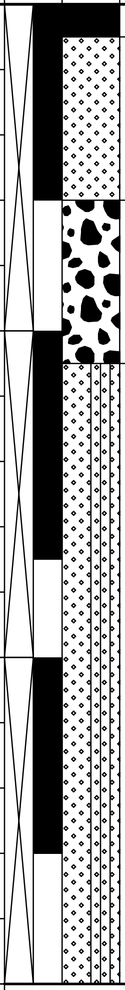
PAULS BH / TP / WELL - DEFAULT.GDT - 12/22/14 09:48 - P:\GINTPROJECTS\ELMIRA - MN0832.GPJ

Geosyntec consultants
engineers | scientists | innovators

BORING B82

PAGE 1 OF 1

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/14 **COMPLETED** 8/13/14
NORTHING 754313 ft **EASTING** 761894 ft
DRILLER Zebra Environmental
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 5 feet
UTILITY CONTRACTOR New York Leak Detection
RIG TYPE Geoprobe
LOGGED BY N. Gutschow **CHECKED BY** A. Gray
NOTES PID: ambient air 0.1 - 0.2 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	0.1
	WELL GRADED SAND WITH SILT, medium to coarse grained, moist, brown	0.1
		0.2
		0.1
		0.1
		0.1
	WELL GRADED GRAVEL WITH SAND, dry, gray	0.1
		0.2
		0.1
		0.1
5		0.1
	WELL GRADED SAND WITH SILT, medium to coarse grained, moist, brown	0.1
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
10	Becomes gray	0.1
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
	Becomes wet	0.1
15	Bottom of borehole at 15.0 feet.	

Geosyntec consultants

engineers | scientists | innovators

BORING B83

PAGE 1 OF 1

CLIENT Unisys

PROJECT NAME Former Sperry Remington North

PROJECT NUMBER MN0832

PROJECT LOCATION Elmira, New York

DATE STARTED 8/13/14 **COMPLETED** 8/13/14

NORTHING 754285 ft **EASTING** 761818 ft

DRILLER Zebra Environmental

GROUND ELEVATION --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push

TOP OF CASING ELEVATION ---

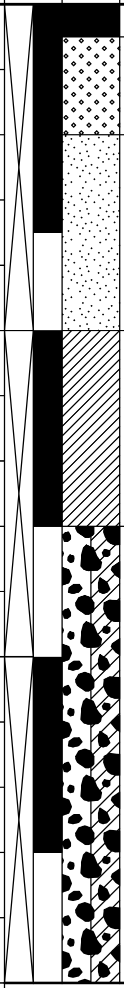
SAMPLING METHOD 5 feet

UTILITY CONTRACTOR New York Leak Detection

RIG TYPE Geoprobe

LOGGED BY N. Gutschow **CHECKED BY** A. Gray

NOTES PID: ambient air 0.1 ppm

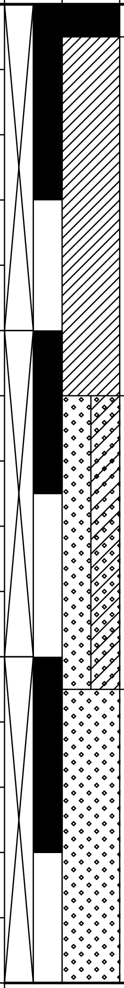


DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	0.1
	WELL GRADED SAND WITH GRAVEL, coarse grained, moist, brown	0.1
		0.1
		0.1
	POORLY GRADED SAND WITH GRAVEL, fine grained, moist, brown	0.1
		0.1
		0.1
		0.1
		0.1
		0.1
5	LEAN CLAY, trace gravel, moist, brown and gray, medium plasticity	0.1
		0.1
		0.1
		0.1
		0.1
		0.1
	WELL GRADED GRAVEL WITH CLAY, with sand, moist, gray, medium plasticity	0.1
		0.1
		0.1
		0.1
10		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
	Becomes wet	0.1
		0.1
15	Bottom of borehole at 15.0 feet.	

BORING B84

PAGE 1 OF 1

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 8/14/14 **COMPLETED** 8/14/14
NORTHING 754282 ft **EASTING** 762004 ft
DRILLER Zebra Environmental
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 5 feet
UTILITY CONTRACTOR New York Leak Detection
RIG TYPE Geoprobe
LOGGED BY N. Gutschow **CHECKED BY** A. Gray
NOTES PID: ambient air 1.0 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	1
	GRAVELLY LEAN CLAY WITH SAND, moist, brown and black, low plasticity	1
		1
		1
		1
		1
		1
		1
		1
		1
5		1
		1
	WELL GRADED SAND WITH CLAY, coarse grained, moist, brown	1
		1
		1
		1
		1
		1
		1
		1
10		1
	WELL GRADED SAND WITH GRAVEL, fine to coarse grained, dry, brown and white	1
		1
		1
		1
		1
		1
	Becomes wet	1
		1
		1
15	Bottom of borehole at 15.0 feet.	

Geosyntec consultants

engineers | scientists | innovators

BORING B85

PAGE 1 OF 1

CLIENT Unisys

PROJECT NAME Former Sperry Remington North

PROJECT NUMBER MN0832

PROJECT LOCATION Elmira, New York

DATE STARTED 8/13/14 **COMPLETED** 8/13/14

NORTHING 754222 ft **EASTING** 761929 ft

DRILLER Zebra Environmental

GROUND ELEVATION --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push

TOP OF CASING ELEVATION ---

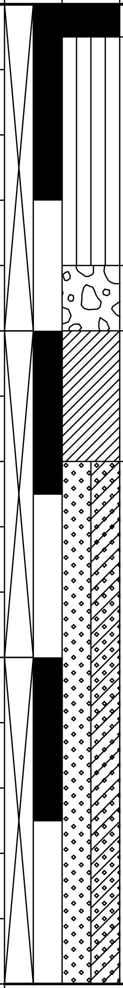
SAMPLING METHOD 5 feet

UTILITY CONTRACTOR New York Leak Detection

RIG TYPE Geoprobe

LOGGED BY N. Gutschow **CHECKED BY** A. Gray

NOTES PID: ambient air 0.1 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	0.1
	Medium dense, GRAVELLY SILT, trace sand, moist, brown	0.1
		0.1
		0.2
		0.2
		0.1
		0.2
		0.1
	POORLY GRADED GRAVEL, trace sand, moist, black, ash-like appearance	0.1
		0.1
5	LEAN CLAY WITH SAND, trace gravel, moist, brown, medium plasticity	0.1
		0.1
		0.1
		0.1
	WELL GRADED SAND WITH CLAY AND GRAVEL, medium grained, moist, brown	0.1
		0.2
		0.1
		0.1
		0.2
		0.1
10		0.1
		0.1
		0.1
		0.2
		0.1
		0.1
		0.1
		0.1
		0.1
	Becomes wet	0.1
15	Bottom of borehole at 15.0 feet.	

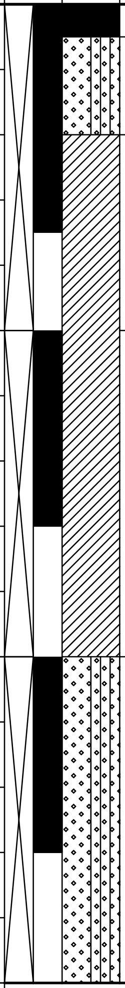
PAULS BH / TP / WELL - DEFAULT.GDT - 12/22/14 09:48 - P:\GINTPROJECTS\ELMIRA - MN0832.GPJ

Geosyntec consultants
engineers | scientists | innovators

BORING B86
PAGE 1 OF 1

CLIENT	Unisys	**PROJECT NAME**	Former Sperry Remington North
PROJECT NUMBER	MN0832	**PROJECT LOCATION**	Elmira, New York
DATE STARTED	8/13/14	**COMPLETED**	8/13/14
NORTHING	754195 ft	**EASTING**	761853 ft
DRILLER	Zebra Environmental	**GROUND ELEVATION**	---
BORING DIAMETER	2 in	**DRILLING METHOD**	Direct Push
TOP OF CASING ELEVATION	---	**SAMPLING METHOD**	5 feet
UTILITY CONTRACTOR	New York Leak Detection	**RIG TYPE**	Geoprobe
LOGGED BY	N. Gutschow	**CHECKED BY**	A. Gray
NOTES	PID: ambient air 0.1 - 0.2 ppm		

RUN RECOVERY / GRAPHIC LOG



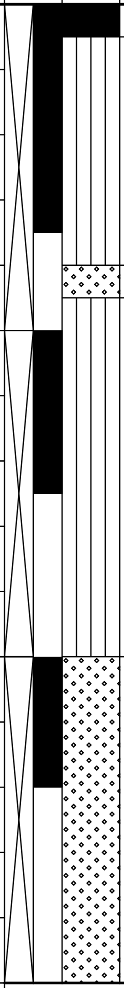
DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	0.1
	WELL GRADED SAND WITH SILT AND GRAVEL, coarse grained, moist, brown	0.1
		0.2
		0.1
	LEAN CLAY WITH SAND, trace gravel, gray, medium plasticity	0.1
		0.1
		0.1
		0.1
		0.2
		0.1
5	GRAVELLY LEAN CLAY, with sand, moist, brown, low plasticity	0.1
		0.2
		0.1
		0.1
		0.1
		0.2
		0.2
		0.2
		0.2
		0.2
10	WELL GRADED SAND WITH SILT, with gravel, fine grained, moist, brown	0.1
		0.1
		0.2
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
	Becomes wet	0.1
15	Bottom of borehole at 15.0 feet.	

Geosyntec consultants
engineers | scientists | innovators

BORING B87

PAGE 1 OF 1

CLIENT	Unisys	**PROJECT NAME**	Former Sperry Remington North
PROJECT NUMBER	MN0832	**PROJECT LOCATION**	Elmira, New York
DATE STARTED	8/14/14 **COMPLETED** 8/14/14	**NORTHING**	754220 ft **EASTING** 762039 ft
DRILLER	Zebra Environmental	**GROUND ELEVATION**	--- **BORING DIAMETER** 2 in
DRILLING METHOD	Direct Push	**TOP OF CASING ELEVATION**	---
SAMPLING METHOD	5 feet	**UTILITY CONTRACTOR**	New York Leak Detection
RIG TYPE	Geoprobe	**LOGGED BY**	N. Gutschow **CHECKED BY** A. Gray
NOTES	PID: ambient air 0.0 ppm		



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	0
	Medium dense, GRAVELLY SILT WITH SAND, and coal, moist, brown and black	0
		0
		0
		0
		0
		0
		0
	WELL GRADED SAND WITH GRAVEL, coarse grained, moist, black, ash like material	0
	Medium dense, GRAVELLY SILT WITH SAND, moist, brown	0
5		0
		0
		0
		0
		0
		0
		0
		0
		0
		0
10	WELL GRADED SAND WITH GRAVEL, medium to coarse grained, moist, brown	0
		0
		0
		0
		0
		0
		0
		0
		0
	Becomes wet	0
15	Bottom of borehole at 15.0 feet.	

BORING B88

PAGE 1 OF 1

CLIENT Unisys

PROJECT NAME Former Sperry Remington North

PROJECT NUMBER MN0832

PROJECT LOCATION Elmira, New York

DATE STARTED 8/13/14 **COMPLETED** 8/13/14

NORTHING 754144 ft **EASTING** 761960 ft

DRILLER Zebra Environmental

GROUND ELEVATION --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push

TOP OF CASING ELEVATION ---

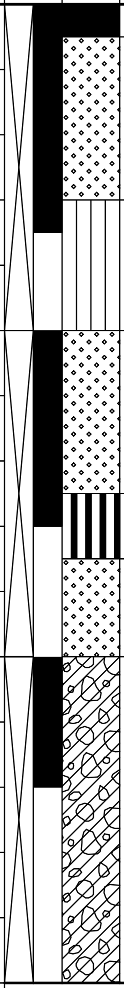
SAMPLING METHOD 5 feet

UTILITY CONTRACTOR New York Leak Detection

RIG TYPE Geoprobe

LOGGED BY N. Gutschow **CHECKED BY** A. Gray

NOTES PID: ambient air 0.1 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	0.1
	WELL GRADED SAND WITH GRAVEL, coarse grained, moist, brown	0.1
		0.1
		0.1
		0.1
		0.1
	Dense, SILT, trace sand, trace gravel, moist, brown and gray	0.1
		0.1
		0.1
		0.1
5	WELL GRADED SAND WITH GRAVEL, coarse grained, moist, gray and brown	0.1
		0.1
		0.1
		0.1
		0.1
	SILTY GRAVEL, with sand, with gravel, moist, gray and brown, low plasticity	0.1
		0.1
	WELL GRADED SAND WITH GRAVEL, coarse grained, moist, gray and brown	0.1
		0.1
		0.1
10	CLAYEY GRAVEL WITH SAND, coarse grained, moist, brown	0.1
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
		0.1
	Becomes wet	0.1
15	Bottom of borehole at 15.0 feet.	

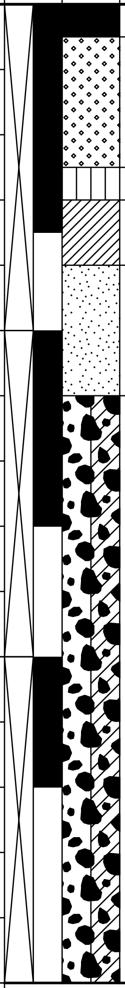
Geosyntec consultants
engineers | scientists | innovators

BORING B89

PAGE 1 OF 1

CLIENT	Unisys	**PROJECT NAME**	Former Sperry Remington North
PROJECT NUMBER	MN0832	**PROJECT LOCATION**	Elmira, New York
DATE STARTED	8/13/14	**COMPLETED**	8/13/14
NORTHING	754116 ft	**EASTING**	761885 ft
DRILLER	Zebra Environmental	**GROUND ELEVATION**	---
BORING DIAMETER	2 in	**DRILLING METHOD**	Direct Push
TOP OF CASING ELEVATION	---	**SAMPLING METHOD**	5 feet
UTILITY CONTRACTOR	New York Leak Detection	**RIG TYPE**	Geoprobe
LOGGED BY	N. Gutschow	**CHECKED BY**	A. Gray

NOTES PID: ambient air 0.1 ppm



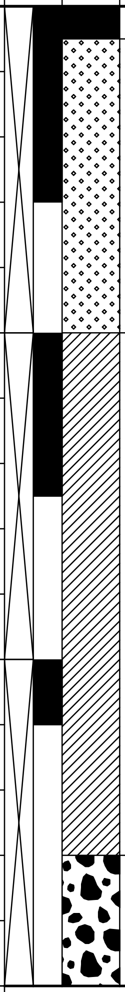
DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	0.1
	WELL GRADED SAND WITH GRAVEL, coarse grained, moist, brown	0.1
		0.1
		0.1
		0.1
	Medium dense, GRAVELLY SILT, moist, brown	0.1
	LEAN CLAY WITH GRAVEL, moist, brown, medium plasticity	0.1
		0.1
	POORLY GRADED SAND, medium to coarse grained, moist, brown	0.1
		0.1
5		0.1
		0.1
	WELL GRADED GRAVEL WITH CLAY AND SAND, moist, brown	0.1
		0.2
		0.1
		0.2
		0.1
		0.1
		0.2
		0.1
10		0.1
		0.1
		0.1
		0.2
		0.1
		0.1
		0.1
		0.1
		0.1
	Becomes wet	0.1
15	Bottom of borehole at 15.0 feet.	

Geosyntec consultants

engineers | scientists | innovators

BORING B90

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/14 **COMPLETED** 8/13/14
NORTHING 754030 ft **EASTING** 762009 ft
DRILLER Zebra Environmental
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 5 feet
UTILITY CONTRACTOR New York Leak Detection
RIG TYPE Geoprobe
LOGGED BY N. Gutschow **CHECKED BY** A. Gray
NOTES PID: ambient air 0.1 - 0.2 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	0.1
	Dense, WELL GRADED SAND WITH GRAVEL, fine grained, moist, dark brown	0.1
		0.1
		0.1
		0.1
		0.2
		0.1
		0.1
		0.1
		0.2
5	LEAN CLAY WITH SAND, with silt, with gravel, moist, gray, medium plasticity	0.1
		0.2
		0.3
		0.3
		0.3
		0.3
		0.3
		0.3
		0.4
		0.4
10		0.2
		0.2
		0.2
		0.2
		0.1
		0.2
	WELL GRADED GRAVEL WITH SAND, coarse grained, moist to wet, brown	0.2
		0.2
		0.2
	Becomes wet	0.2
15	Bottom of borehole at 15.0 feet.	

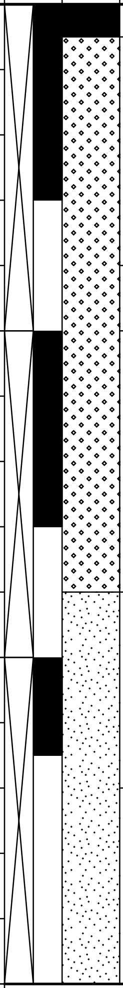
Geosyntec consultants

engineers | scientists | innovators

BORING B91

CLIENT	Unisys	**PROJECT NAME**	Former Sperry Remington North
PROJECT NUMBER	MN0832	**PROJECT LOCATION**	Elmira, New York
DATE STARTED	8/13/14 **COMPLETED** 8/13/14	**NORTHING**	754051 ft **EASTING** 761937 ft
DRILLER	Zebra Environmental	**GROUND ELEVATION**	--- **BORING DIAMETER** 2 in
DRILLING METHOD	Direct Push	**TOP OF CASING ELEVATION**	---
SAMPLING METHOD	5 feet	**UTILITY CONTRACTOR**	New York Leak Detection
RIG TYPE	Geoprobe	**LOGGED BY**	N. Gutschow **CHECKED BY** A. Gray

NOTES PID: ambient air 0.1 ppm



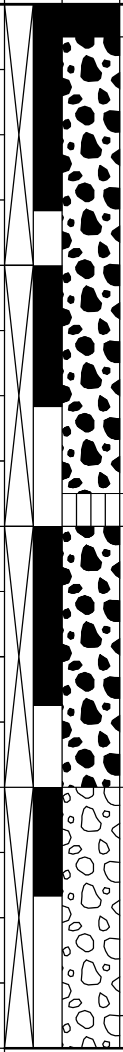
DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	0.1
	WELL GRADED SAND WITH SILT AND GRAVEL, fine grained, moist, brown	0.1
		0.1
		0.1
		0.3
		0.8
		1.5
		1.7
	WELL GRADED SAND WITH GRAVEL, fine grained, moist, black	2.3
		1.8
5	WELL GRADED SAND WITH GRAVEL, medium grained, dry, white and brown	2.7
		3.6
		2.8
		1.7
		1.1
		1.2
		1
		0.7
	POORLY GRADED SAND WITH GRAVEL, fine to coarse grained, moist, dark brown	0.5
		0.3
10		0.1
		0.1
		0.1
		0.1
	POORLY GRADED SAND WITH GRAVEL, and rock fragments, fine to coarse grained, moist, dark brown	0.1
		0.1
		0.1
		0.1
		0.1
	Becomes wet	0.1
15	Bottom of borehole at 15.0 feet.	

Geosyntec consultants
engineers | scientists | innovators

BORING B92

PAGE 1 OF 1

CLIENT	Unisys	**PROJECT NAME**	Former Sperry Remington North
PROJECT NUMBER	MN0832	**PROJECT LOCATION**	Elmira, New York
DATE STARTED	8/12/14 **COMPLETED** 8/12/14	**NORTHING**	753791 ft **EASTING** 762120 ft
DRILLER	Zebra Environmental	**GROUND ELEVATION**	--- **BORING DIAMETER** 2 in
DRILLING METHOD	Direct Push	**TOP OF CASING ELEVATION**	---
SAMPLING METHOD	5 feet	**UTILITY CONTRACTOR**	New York Leak Detection
RIG TYPE	Geoprobe	**LOGGED BY**	M. Bauer **CHECKED BY** A. Gray
NOTES	PID: ambient air 0.0 ppm, 7.1 ppm deeper than 4 ft		



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	Topsoil	0
	Very dense, WELL GRADED GRAVEL WITH SAND, fine to coarse grained, moist, dark brown, 2" black layer at 6 ft	0
		0
		0
		3.8
		5.2
		23.5
		2.6
		8.6
		8.8
5		8.7
		9.2
		9
		8.1
		7.8
	SANDY SILT, brown	7.8
	WELL GRADED GRAVEL WITH SAND, fine to coarse grained, dark brown	8.8
		8.7
		9.2
10		9
		8.8
		8.9
		9.2
		9.2
	Very dense, POORLY GRADED GRAVEL, moist, brown	8.2
		8.8
		8.1
15	Becomes wet	8.2
	Very dense, POORLY GRADED GRAVEL, saturated, brown	

Bottom of borehole at 16.0 feet.

Geosyntec consultants

engineers | scientists | innovators

BORING B93

PAGE 1 OF 1

CLIENT Unisys

PROJECT NAME Former Sperry Remington North

PROJECT NUMBER MN0832

PROJECT LOCATION Elmira, New York

DATE STARTED 8/12/14 **COMPLETED** 8/12/14

NORTHING 753765 ft **EASTING** 762049 ft

DRILLER Zebra Environmental

GROUND ELEVATION --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push

TOP OF CASING ELEVATION ---

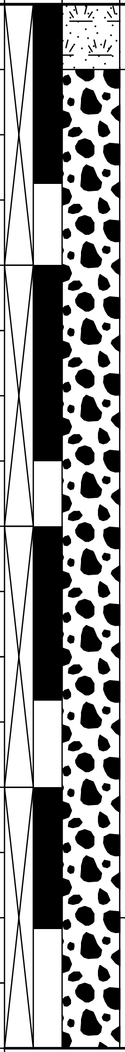
SAMPLING METHOD 5 feet

UTILITY CONTRACTOR New York Leak Detection

RIG TYPE Geoprobe

LOGGED BY M. Bauer **CHECKED BY** A. Gray

NOTES PID: ambient air 2.3 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	Topsoil	4.8
		4.9
	Very dense, WELL GRADED GRAVEL WITH SAND, some silt, fine to coarse grained, moist, brown	5
		5.8
		5
		4.3
		5.2
		5.2
		7
		7.6
5		7.5
		6.5
		6.6
		6.8
		6.9
		5.6
		5.7
		5.8
		6.1
10		6.1
		5
		5.6
		5.6
		6.1
		6
	Very dense, WELL GRADED GRAVEL WITH SAND, trace silt, fine to coarse grained, moist, brown	6.4
15		6.1
	Becomes wet	

Bottom of borehole at 16.0 feet.

Geosyntec consultants

engineers | scientists | innovators

BORING B94

PAGE 1 OF 1

CLIENT Unisys

PROJECT NAME Former Sperry Remington North

PROJECT NUMBER MN0832

PROJECT LOCATION Elmira, New York

DATE STARTED 8/12/14 **COMPLETED** 8/12/14

NORTHING 753769 ft **EASTING** 762084 ft

DRILLER Zebra Environmental

GROUND ELEVATION --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push

TOP OF CASING ELEVATION ---

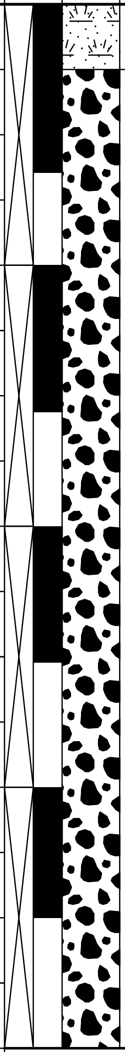
SAMPLING METHOD 5 feet

UTILITY CONTRACTOR New York Leak Detection

RIG TYPE Geoprobe

LOGGED BY M. Bauer **CHECKED BY** A. Gray

NOTES PID: ambient air 5.7 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	Topsoil	5.8
		6
	Very dense, WELL GRADED GRAVEL WITH SAND, fine grained, moist, brown	6.1
		6.1
		6.3
		6.4
		6.5
		6.5
		6.6
		6.6
5		6.6
		6.6
		7.3
		6.8
		6.6
		6.6
		6
		6.1
		6
		6.2
10		6
		6.1
		6.2
		6.2
		6
		6.1
		6.4
		6
		6.1
15		6.2
	Becomes wet	

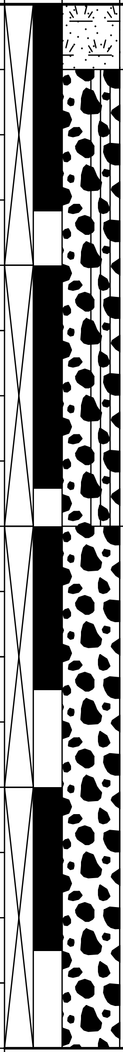
Bottom of borehole at 16.0 feet.

PAULS BH / TP / WELL - DEFAULT.GDT - 12/22/14 09:48 - P:\GINTPROJECTS\ELMIRA - MN0832.GPJ

BORING B95

PAGE 1 OF 1

CLIENT	Unisys	**PROJECT NAME**	Former Sperry Remington North
PROJECT NUMBER	MN0832	**PROJECT LOCATION**	Elmira, New York
DATE STARTED	8/12/14	**COMPLETED**	8/12/14
NORTHING	753746 ft	**EASTING**	762018 ft
DRILLER	Zebra Environmental	**GROUND ELEVATION**	---
BORING DIAMETER	2 in	**DRILLING METHOD**	Direct Push
TOP OF CASING ELEVATION	---	**SAMPLING METHOD**	5 feet
UTILITY CONTRACTOR	New York Leak Detection	**RIG TYPE**	Geoprobe
LOGGED BY	M. Bauer	**CHECKED BY**	A. Gray
NOTES	PID: ambient air 5.6 ppm		



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	Topsoil	6.1
		6
	Dense, WELL GRADED GRAVEL WITH SILT, fine to medium grained, moist, brown	6.4
		6.2
		6.2
		6.2
		6.2
		5.2
		6.2
		5.8
5		6
		6.1
		6.4
		6.3
		6.3
		6.5
	Very dense, WELL GRADED GRAVEL WITH SAND, some silt, fine to coarse grained	5.8
		5.8
		5.8
		5.8
10		5.8
		5.8
		5.8
		6.1
		6.1
		6
		5.8
		5.6
		5.7
	Becomes wet	6
15		

Bottom of borehole at 16.0 feet.

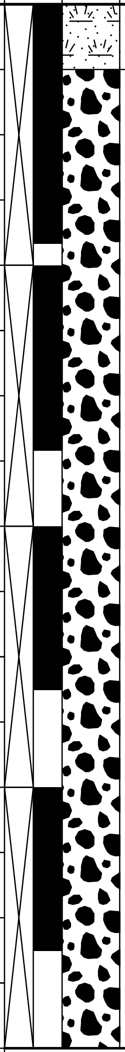
Geosyntec consultants
engineers | scientists | innovators

BORING B96

PAGE 1 OF 1

CLIENT	Unisys	**PROJECT NAME**	Former Sperry Remington North
PROJECT NUMBER	MN0832	**PROJECT LOCATION**	Elmira, New York
DATE STARTED	8/12/14	**COMPLETED**	8/12/14
NORTHING	753722 ft	**EASTING**	762005 ft
DRILLER	Zebra Environmental	**GROUND ELEVATION**	---
BORING DIAMETER	2 in	**DRILLING METHOD**	Direct Push
TOP OF CASING ELEVATION	---	**SAMPLING METHOD**	5 feet
UTILITY CONTRACTOR	New York Leak Detection	**RIG TYPE**	Geoprobe
LOGGED BY	M. Bauer	**CHECKED BY**	A. Gray

NOTES PID: ambient air 5.7 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	Topsoil	9.7
		5.2
	Dense, WELL GRADED GRAVEL WITH SAND, some silt, fine to coarse grained, moist, dark brown	6.6
		5.7
		6
		5.9
		5.8
		5.8
		19
		9.8
5		6.3
		6.3
		6.4
		6.3
		6.3
		6.3
		11.6
		8.5
		13.1
		9.6
10		8.2
		7.6
		7.6
		7.6
		14.7
		9.5
		7.5
15	Becomes wet	7.4

Bottom of borehole at 16.0 feet.

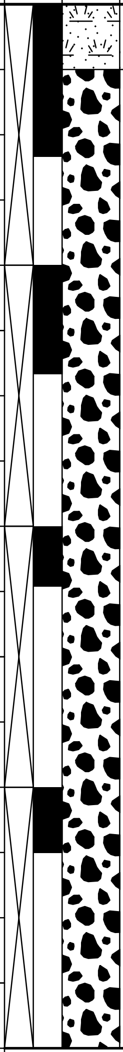
Geosyntec consultants
engineers | scientists | innovators

BORING B97

PAGE 1 OF 1

CLIENT Unisys		**PROJECT NAME** Former Sperry Remington North	
PROJECT NUMBER MN0832		**PROJECT LOCATION** Elmira, New York	
DATE STARTED 8/13/14	**COMPLETED** 8/13/14	**NORTHING** 753658 ft	**EASTING** 762074 ft
DRILLER Zebra Environmental		**GROUND ELEVATION** ---	**BORING DIAMETER** 2 in
DRILLING METHOD Direct Push		**TOP OF CASING ELEVATION** ---	
SAMPLING METHOD 5 feet		**UTILITY CONTRACTOR** New York Leak Detection	
RIG TYPE Geoprobe		**LOGGED BY** M. Bauer	**CHECKED BY** A. Gray

NOTES PID: ambient air 0.0 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	Topsoil	0.4
		0.3
	Dense, WELL GRADED GRAVEL WITH SAND, some silt, fine to coarse grained, moist, brown	0.1
		0
		0
		0
		0
		0
		0.1
5		0
		0
		0
		0
		0
10		0
		0
		0
		0
		0
15		0
	Becomes wet	0

Bottom of borehole at 16.0 feet.

BORING B98

PAGE 1 OF 1

CLIENT Unisys

PROJECT NAME Former Sperry Remington North

PROJECT NUMBER MN0832

PROJECT LOCATION Elmira, New York

DATE STARTED 8/13/14 **COMPLETED** 8/13/14

NORTHING 753480 ft **EASTING** 762235 ft

DRILLER Zebra Environmental

GROUND ELEVATION --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push

TOP OF CASING ELEVATION ---

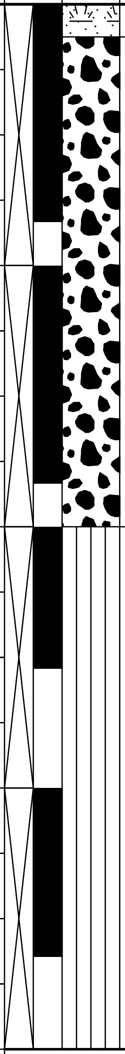
SAMPLING METHOD 5 feet

UTILITY CONTRACTOR New York Leak Detection

RIG TYPE Geoprobe

LOGGED BY M. Bauer **CHECKED BY** A. Gray

NOTES PID: ambient air 0.0 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	Topsoil	2.5
	WELL GRADED GRAVEL WITH SILT AND SAND, fill material, some bricks	31.1
		10.1
		1.2
		1.2
		1.2
		1.3
		1.2
		0
		0
5		0
		0
		0
		0
		0
	Black staining at 7.5 ft	0
	Dense, GRAVELLY SILT, fine to medium grained, moist, brown	0
		0
		0
		0
10		0
		0
		0
		0
		1
		0.9
		0.9
		0.4
		0.4
		0.4
15		0.4
		0.4

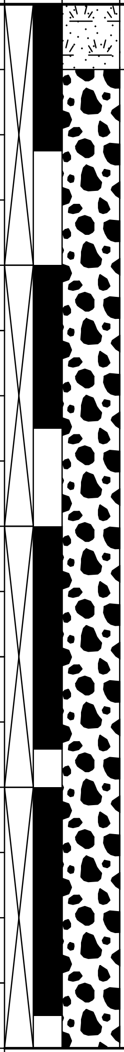
Bottom of borehole at 16.0 feet.

Geosyntec consultants
engineers | scientists | innovators

BORING B99

PAGE 1 OF 1

CLIENT Unisys
PROJECT NAME Former Sperry Remington North
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/14 **COMPLETED** 8/13/14
NORTHING 754027 ft **EASTING** 762494 ft
DRILLER Zebra Environmental
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 5 feet
UTILITY CONTRACTOR New York Leak Detection
RIG TYPE Geoprobe
LOGGED BY M. Bauer **CHECKED BY** A. Gray
NOTES PID: ambient air 0.0 ppm

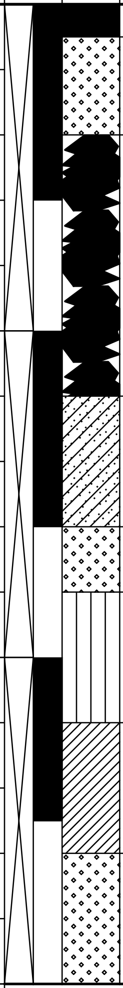


DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	Topsoil	0
		0
	Very dense, WELL GRADED GRAVEL WITH SAND, some silt, fine to coarse grained, moist, brown	0
		0
		0
		0
		0
		0.2
		0
		0
5		0
		0
		0
		0
		0
		0
		0
		0
		0
		0
10		0
		0
		0
		0
		0
		0
		0
		0
	Becomes wet	0
		0
15		0
		0

Bottom of borehole at 16.0 feet.

BORING B100

CLIENT	Unisys	**PROJECT NAME**	Former Sperry Remington North
PROJECT NUMBER	MN0832	**PROJECT LOCATION**	Elmira, New York
DATE STARTED	8/15/14	**COMPLETED**	8/15/14
NORTHING	753812 ft	**EASTING**	762745 ft
DRILLER	Zebra Environmental	**GROUND ELEVATION**	---
BORING DIAMETER	2 in	**DRILLING METHOD**	Direct Push
TOP OF CASING ELEVATION	---	**SAMPLING METHOD**	5 feet
UTILITY CONTRACTOR	New York Leak Detection	**RIG TYPE**	Geoprobe
LOGGED BY	A. Wadhawan	**CHECKED BY**	A. Gray
NOTES	PID: ambient air 0.1 ppm		



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	0.1
	WELL GRADED SAND WITH GRAVEL, medium grained, moist, brown to black, fill material	0.1
		0.3
		0.1
	Black, ash like material	0.1
		0.1
		0.1
		0.1
		0.1
		0
5		2.3
		0.3
	CLAYEY SAND WITH GRAVEL, medium to coarse grained, moist, brown, low plasticity	0.1
		0.1
		0.1
		0.1
	WELL GRADED SAND WITH GRAVEL, fine to coarse grained, moist, brown	0.1
		0.1
	Medium dense, SILT, moist, brown and gray	0.1
		0.1
10		0.1
		0.1
	LEAN CLAY, with silt, moist, brown and gray, low plasticity	0.1
		0.1
		0.1
		0.1
	WELL GRADED SAND WITH GRAVEL, medium to coarse grained, wet, brown	0.1
		0.1
		0.1
		0.1
15	Bottom of borehole at 15.0 feet.	

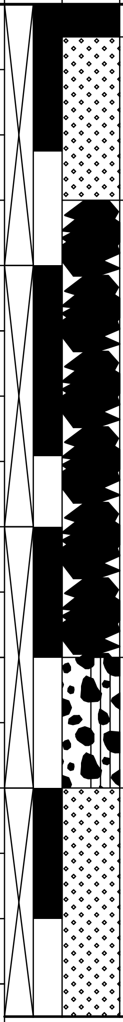
Geosyntec consultants
engineers | scientists | innovators

BORING B101

PAGE 1 OF 1

CLIENT	Unisys	**PROJECT NAME**	Former Sperry Remington North
PROJECT NUMBER	MN0832	**PROJECT LOCATION**	Elmira, New York
DATE STARTED	8/14/14	**COMPLETED**	8/14/14
NORTHING	753860 ft	**EASTING**	762682 ft
DRILLER	Zebra Environmental	**GROUND ELEVATION**	---
BORING DIAMETER	2 in	**DRILLING METHOD**	Direct Push
TOP OF CASING ELEVATION	---	**SAMPLING METHOD**	5 feet
UTILITY CONTRACTOR	New York Leak Detection	**RIG TYPE**	Geoprobe
LOGGED BY	N. Gutschow	**CHECKED BY**	A. Gray

NOTES PID: ambient air 0.0 ppm



DEPTH (ft)	MATERIAL DESCRIPTION	PID (ppm)
0	ASPHALT	0
	WELL GRADED SAND WITH GRAVEL, fill material	0 0
	Black, ash like material	0 0
5		0 0 0 0 0
10	Dense, WELL GRADED GRAVEL WITH SILT, fine to medium grained, moist, brown	0 0
	WELL GRADED SAND WITH GRAVEL, fine to medium grained, moist to wet, gray, some odor	0.1 0.1 0.1
15		0.1

Refusal at 15.5 feet.
Bottom of borehole at 15.5 feet.

APPENDIX D
Groundwater Sampling Field Forms

Geosyntec
consultants

10220 Old Columbia Road, Suite A
Columbia Maryland 21046
Tel (410) 381-4333 Fax (410) 381-4499

GROUNDWATER SAMPLING LOG

Project Name Former Sperry Remington, North Date 8 / 20 / 2014
Project Number MN0832 Phase 20 Task 02
Location Elmira, NY Personnel KWH

Sample Type GW
Location ID MW-8
Duplicate ID MW-8 MS/MSD
Location Type Flush
Depth Measurement Location TOIC
Screen Interval (ft) on file
Well Diameter (inches) 2
DTW (feet) 14.41
DTB (feet) from prior data 17.70
Pump Setting (feet) 17.0

Purge Method Low flow Rate (mL/min) 250 Time - Start 0905 Time-End 10:45

Time	DTW (ft)	pH (S.U.)	Conductivity (µS/cm)	Temp. (°C)	Turbidity (NTU)	ORP (mV)	DO (mg/L)
0905	Start pump, find settings						
0910	14.70	6.85	984	17.70	951	25.4	0.22
0915	14.70	6.92	935	17.04	705	-31.3	0.80
0920	14.60	7.05	862	17.28	390	-144.6	0.31
0925	14.60	7.11	884	17.25	302	-124.0	0.18
0930	14.64	7.16	871	17.17	219	-127.8	7.21
0935	14.68	7.15	868	16.96	145	-143.4	7.37
0940	14.65	7.17	857	16.91	124	-154.7	7.65
0945	14.70	7.21	849	16.82	100	-150.0	8.49
0950	14.68	7.24	846	16.78	81.8	-151.9	6.71
0955	14.68	7.26	844	16.81	54.9	-147.8	6.55
1000	14.70	7.28	842	16.81	49.2	-154.8	6.78
1005	14.68	7.29	840	16.86	35.8	-155.0	6.60

Sample Method Low flow Rate (mL/min) 250 Date 8/20/14 Time 10:45

Final/Sample Field Parameters		Stabilization Guidance	
pH	7.29	0.1	met? [✓ Y] N
Conductivity (uS)	840	3%	met? [✓ Y] / N
Temp. (oC)	16.86	none	
Turbidity (NTU)	35.8	10%	met? Y [✓ N]
ORP (mV)	-155.0	10	met? [✓ Y] N
DO (mg/L)	6.60	10%	met? [✓ Y] / N

NOTES: ~1 gallon purged
less than 50 NTU, sample taken.
MS/MSD collected.

SAMPLE COLOR: Clear to light gray.

Constituent	Method	Container	Preservative	Filtered?
VOCs	8260C	3+ 40mL vials	HCl	No
DRO	8015D	2+ 1 liter amber	None	No
GRO	8015D	2+ 40mL vials	HCl	No

COMMENTS:

Geosyntec consultants

10220 Old Columbia Road, Suite A
Columbia Maryland 21046
Tel (410) 381-4333 Fax (410) 381-4499

GROUNDWATER SAMPLING LOG

Project Name Former Sperry Remington North
Date 8 / 20 / 2014
Project Number MN0832
Phase 20
Task 02
Location Elmira, NY
Personnel KWH

Sample Type GW
Location Type Flush
DTW (feet) 15.33
Depth Measurement Location TOIC
DTB (feet) from prior data 21.95
Location ID MW-13
Screen Interval (ft) on file
Pump Setting (feet) 19.95
Duplicate ID DUP-1
Well Diameter (inches) 2

Purge Method Low flow Rate (mL/min) 350 Time - Start 1230 Time-End 13:45

Time	DTW (ft)	pH (S.U.)	Conductivity (µS/cm)	Temp. (°C)	Turbidity (NTU)	ORP (mV)	DO (mg/L)
1230	Start	Pump, find settings					
1235	15.40	7.04	1572	15.13	69.5	-14.6	2.93
1240	15.40	6.96	1549	14.52	38.9	-9.7	3.18
1245	15.40	6.92	1546	14.53	25.7	-6.2	7.67
1250	15.40	6.89	1545	14.47	15.7	-2.6	6.35
1255	15.40	6.88	1542	14.31	10.7	-0.9	5.91
1300	15.40	6.89	1547	14.18	39.2	-1.0	5.29
1305	15.40	6.90	1544	14.12	13.0	-4.1	4.30
1310	15.40	6.91	1540	14.41	10.5	-5.6	3.76
1315	15.40	6.86	1533	14.76	5.51	0.7	3.58
1320	15.38	6.79	1534	14.63	2.07	5.7	3.32

Sample Method Low flow Rate (mL/min) 350 Date 8/20/14 Time 13:45

Final/Sample Field Parameters		Stabilization Guidance	
pH	6.79	0.1	met? [✓ Y] / N
Conductivity (uS)	1534	3%	met? [✓ Y] / N
Temp. (oC)	14.63	none	
Turbidity (NTU)	2.07	10%	met? Y / [✓ N]
ORP (mV)	5.7	10	met? [✓ Y] / N
DO (mg/L)	3.32	10%	met? [✓ Y] / N

NOTES: ~ 5 gallons purged less than 50 NTU, sample taken. DUP-1 collected.

SAMPLE COLOR: Clear

Constituent	Method	Container	Preservative	Filtered?
VOCs	8260C	3 x 40 mL vial	HCl	No
DRO	8015D	2 x 1 liter amber	None	No
GRO	8015D	2 x 40 ml vial	HCl	No

COMMENTS: EB-1 collected at 15:20 on 8/20/14
ODOR + Sheen at MW-13

Geosyntec consultants

10220 Old Columbia Road, Suite A
Columbia Maryland 21046
Tel (410) 381-4333 Fax (410) 381-4499

GROUNDWATER SAMPLING LOG

Project Name Former Sperry Remington North
Date 8 / 20 / 2014
Project Number MN0832
Phase 20
Task 02
Location Elmira, NY
Personnel KWH

Sample Type GW
Location Type Flush
DTW (feet) 14.26
Depth Measurement Location TOIC
DTB (feet) from prior data 17.80
Location ID MW-30
Screen Interval (ft) on file
Pump Setting (feet) 17.80
Duplicate ID ——
Well Diameter (inches) 2

Purge Method Low flow Rate (mL/min)
Time - Start 1550
Time-End 1230 (8/21)

Time	DTW (ft)	pH (S.U.)	Conductivity (µS/cm)	Temp. (°C)	Turbidity (NTU)	ORP (mV)	DO (mg/L)
1550	Start	pump,	find	settings.			
1555	15.37	6.92	1509	19.15	NA	41.4	2.64

Sample Method Low flow Rate (mL/min) ~200
Date 8/21/14
Time 1230

Final/Sample Field Parameters		Stabilization Guidance	
pH		0.1	met? Y / N
Conductivity (uS)	KWH	3%	met? Y / N
Temp. (oC)		none	
Turbidity (NTU)		10%	met? Y / N
ORP (mV)		10	met? Y / N
DO (mg/L)		10%	met? Y / N

NOTES: Low yieldy well. Partial DRO collected, full VOC + GRO.

SAMPLE COLOR: Gray / Yellow w/sediment.

Constituent	Method	Container	Preservative	Filtered?
VOCs	8260C	3x40mL vial	HCl	No
DRO	8015 D	2x1 liter amber	None	No
GRO	8015 D	2x 40mL vial	HCl	No

COMMENTS: Low yieldy well, very low recharge rate. Pump issues as well. Well pumped down fully one time, then sampled in the morning.

Geosyntec consultants

10220 Old Columbia Road, Suite A
Columbia Maryland 21046
Tel (410) 381-4333 Fax (410) 381-4499

GROUNDWATER SAMPLING LOG

Project Name Former Sperry Remington North
Date 8 / 21 / 2014
Project Number MN0832
Phase 20
Task 02
Location Elmira, NY
Personnel KWolf

Sample Type GW
Location Type Flush
DTW (feet) 14.56
Depth Measurement Location TOIC
DTB (feet) from prior data 20.00
Location ID MW-10
Screen Interval (ft) on file
Pump Setting (feet) 18.00
Duplicate ID MW-10 MS/MSD
Well Diameter (inches) 2

Purge Method Low flow
Rate (mL/min) 300
Time - Start 13:40
Time-End 14:30

Time	DTW (ft)	pH (S.U.)	Conductivity (µS/cm)	Temp. (°C)	Turbidity (NTU)	ORP (mV)	DO (mg/L)
13:40	Start	Pump, Grd settings.					
13:45	14.90	6.65	866	15.69	273	-7.0	1.03
13:50	14.90	6.62	887	15.25	111	-5.6	1.37
13:55	14.90	6.53	910	15.14	28.5	1.0	1.80
14:00	14.90	6.50	915	15.07	16.6	3.2	1.56
14:05	14.90	6.54	912	14.80	12.6	-1.2	1.75
14:10	14.90	6.51	910	15.17	12.2	-0.9	1.75
14:15	14.90	6.46	910	15.05	13.8	1.6	1.88

Sample Method Low flow
Rate (mL/min) 300
Date 8/21/14
Time 14:30

Final/Sample Field Parameters		Stabilization Guidance	
pH	6.46	0.1	met? [✓ Y] / N
Conductivity (uS)	910	3%	met? [✓ Y] / N
Temp. (oC)	15.05	none	
Turbidity (NTU)	13.8	10%	met? [✓ Y] / N
ORP (mV)	1.6	10	met? [✓ Y] / N
DO (mg/L)	1.88	10%	met? [✓ Y] / N

NOTES: ~4 gallons Purged

SAMPLE COLOR: Clear

Constituent	Method	Container	Preservative	Filtered?
PCBs	8082A	2× 1 liter amber	None	No

COMMENTS: ODOR + Sheen on MW-10

Geosyntec consultants

10220 Old Columbia Road, Suite A
Columbia Maryland 21046
Tel (410) 381-4333 Fax (410) 381-4499

GROUNDWATER SAMPLING LOG

Project Name Former Sperry Remington North
Date 8 / 21 / 2014
Project Number MN 0832
Phase 20
Task 02
Location Elmira, NY
Personnel KWH

Sample Type GW
Location Type Flush
DTW (feet) 16.40
Depth Measurement Location TOIC
DTB (feet) from prior data 19.90
Location ID MW-38
Screen Interval (ft) on file
Pump Setting (feet) 19.90
Duplicate ID ————
Well Diameter (inches) 2

Purge Method Low flow
Rate (mL/min) 200-120
Time - Start 16:15
Time-End 17:45

Time	DTW (ft)	pH (S.U.)	Conductivity (µS/cm)	Temp. (°C)	Turbidity (NTU)	ORP (mV)	DO (mg/L)
1615	Start	Pump,	Good settings				
1620	NA	6.66	1011	17.40	NA	-18.1	1.69
1635	NA	6.74	1025	17.41	539	-38.1	3.34
1640	18.25	6.71	992	15.06	260	-35.8	3.64
1645	18.7	6.73	981	15.45	NA	-37.2	4.38
1700	16.40	6.69	978	15.61	145	-34.6	4.57
1710	16.95	6.70	975	15.71	83.0	-33.7	4.48
1715	17.50	6.74	966	15.82	60.9	-30.2	4.44
1720	17.97	6.73	960	15.83	58.4	-29.9	4.41
1725	17.97	6.72	958	15.79	53.1	-25.1	4.40

Sample Method Low flow
Rate (mL/min) 120
Date 8/21/2014
Time 17:45

Final/Sample Field Parameters		Stabilization Guidance	
pH	6.72	0.1	met? [✓ Y] / N
Conductivity (uS)	958	3%	met? [✓ Y] / N
Temp. (oC)	15.79	none	
Turbidity (NTU)	53.1	10%	met? Y / [✓ N]
ORP (mV)	-25.1	10	met? [✓ Y] / N
DO (mg/L)	4.40	10%	met? [✓ Y] / N

NOTES: ~ 2 gallons purged.

SAMPLE COLOR: light gray, cloudy

Constituent	Method	Container	Preservative	Filtered?
PCBs	8082A	2 - 1 liter Amber	None	No

COMMENTS: Low Yielding well, but fast recharge. Well was fully purged three times before sample.
ØODOR at MW-38   EB-2 collected at 18:25 on 8/21/14.

Geosyntec consultants

10220 Old Columbia Road, Suite A
Columbia Maryland 21046
Tel (410) 381-4333 Fax (410) 381-4499

GROUNDWATER SAMPLING LOG

Project Name Former Sperry Remington North
Date 8 / 22 / 14
Project Number MN0832
Phase 20
Task 02
Location Elmira, NY
Personnel

Sample Type GW
Location Type Flush
DTW (feet) 15.30
Depth Measurement Location TOIC
DTB (feet) from prior data 19.46
Location ID MW-34
Screen Interval (ft) on file
Pump Setting (feet) 19.46
Duplicate ID DUP-2
Well Diameter (inches) 2

Purge Method low flow Rate (mL/min) 360 Time - Start 1100 Time-End 11:45

Time	DTW (ft)	pH (S.U.)	Conductivity (µS/cm)	Temp. (°C)	Turbidity (NTU)	ORP (mV)	DO (mg/L)
1100	Start	Pump, find	settings				
1105	15.40	7.13	882	16.39	112	-47.3	1.25
1110	15.41	6.95	884	16.51	76.7	-35.3	1.95
1115	15.40	6.86	879	15.76	37.3	-25.9	1.59
1120	15.41	6.79	878	15.67	17.7	-22.0	1.30
1125	15.41	6.76	873	15.89	10.2	-18.7	0.91
1130	15.41	6.72	875	16.19	8.30	-15.7	0.67
1135	15.41	6.74	878	15.54	6.39	-19.5	0.48

Sample Method low flow Rate (mL/min) 360 Date 8/22/14 Time 11:45

Final/Sample Field Parameters		Stabilization Guidance	
pH	6.74	0.1	met? [✓ Y] / N
Conductivity (uS)	878	3%	met? [✓ Y] / N
Temp. (oC)	15.54	none	
Turbidity (NTU)	6.39	10%	met? Y / [✓ N]
ORP (mV)	-19.5	10	met? [✓ Y] / N
DO (mg/L)	0.48	10%	met? Y / [✓ N]

NOTES: ~2 gallons purged. Less than 10 NTU, samples taken.

SAMPLE COLOR: Clear

Constituent	Method	Container	Preservative	Filtered?
PCBs	8082A	2× 1 liter Amber	None	No

COMMENTS:

Geosyntec consultants

10220 Old Columbia Road, Suite A
Columbia Maryland 21046
Tel (410) 381-4333 Fax (410) 381-4499

GROUNDWATER SAMPLING LOG

Project Name Former Sperry Remington North
Date 8 / 22 / 14
Project Number MN0832
Phase 20
Task 02
Location Elmira, NY
Personnel KWH

Sample Type GW
Location Type stick up
DTW (feet) 20.54
Depth Measurement Location TOIC
DTB (feet) from prior data 27.3
Location ID MW-41
Screen Interval (ft) on file
Pump Setting (feet) 26.3-25.3
Duplicate ID ———
Well Diameter (inches) 2

Purge Method Low flow Rate (mL/min) 300 Time - Start 1245 Time-End 13:40

Time	DTW (ft)	pH (S.U.)	Conductivity (µS/cm)	Temp. (°C)	Turbidity (NTU)	ORP (mV)	DO (mg/L)
12:45	Start pump, fond settings.						
12:50	20.55	7.47	979	14.68	493	-41.0	1.44
12:55	20.56	7.32	978	14.04	304	-42.8	1.22
13:00	20.58	7.25	979	13.59	159	-44.7	0.82
13:05	20.55	7.23	981	13.58	562	-45.8	0.63
13:10	20.55	7.21	983	13.51	59.6	-47.4	0.54
13:15	20.56	7.20	985	13.60	34.1	-47.5	0.40
13:20	20.55	7.20	987	13.73	53.9	-47.3	0.25
13:25	20.55	7.19	988	13.63	53.0	-47.1	0.20
13:30	20.57	7.19	988	13.98	98.0	-43.7	0.24

Sample Method low flow Rate (mL/min) 300 Date 8/22/14 Time 13:40

Final/Sample Field Parameters		Stabilization Guidance	
pH	7.19	0.1	met? [✓ Y] / N
Conductivity (uS)	988	3%	met? [✓ Y] / N
Temp. (oC)	13.98	none	
Turbidity (NTU)	98.0	10%	met? Y [✓ N]
ORP (mV)	-43.7	10	met? [✓ Y] N
DO (mg/L)	0.24	10%	met? [✓ Y] / N

NOTES:

SAMPLE COLOR: light gray / cloudy.

Constituent	Method	Container	Preservative	Filtered?
PCBs	8082A	2×1 liter Amber	None	No

COMMENTS:

METER CALIBRATION REPORT

Geosyntec consultants
engineers | scientists | innovators

Geosyntec Consultants
10220 Old Columbia Road
Columbia, MD 21046
PHONE (410)381-4333 FAX (410) 381-4499

Project Name: Former Sperry Remington North
Project Number: MN0832
Field Personnel: KWH
Recorded By: KWH
Weather: 70's-80's intermittent rain

Date: 8/20/14 Page 1 of 1
Primary Activities:
Initial Calibration Completed at: 0830
Midday Calibration Completed at:
Final Calibration Check Completed at: 1500

1. Specific Conductance Calibration 1413 µS / cm

	Temp.	Initial	Cal to.
Initial	22.89	1610	1413
Midday			
Final	26.42	1421	

Turbidity

	10	20	100	500
Initial	9.88	20.3	98.0	787
Final	10.11	19.8	96.2	772

2. pH Calibration

		Buffer Solution		
		pH 7.0	pH 4.0	pH 10.0
Initial	temperature (°C)	23.22	23.26	22.34
	instrument reading	7.13	4.05	9.91
	should read/calibrated	7.00	4.00	9.99
Midday	temperature (°C)			
	instrument reading			
	should read/calibrated			
Final	temperature (°C)	26.61	26.52	26.48
	instrument reading	7.13	3.92	9.78

4. Dissolved Oxygen Calibration

		Saturation	
		100%	0%
Initial	Barometer	736.6	736.6
	temperature (°C)	19.60	20.46
	instrument reading	8.57	0.92
	calibrated to	8.87	
Midday	Barometer		
	temperature (°C)		
	instrument reading		
	calibrated to		
Final	Barometer	736.6	736.6
	temperature (°C)	24.51	25.16
	instrument reading	8.42	0.31

3. ORP Calibration +240 mv Zobell

	Temp.	Initial	Cal to.
Initial	22.54	23.09	240.1
Midday			
Final	25.71	236.4	

5. Turbidity

	1 NTU Initial	1 NTU Final	10 NTU Initial	10 NTU Final
Initial			KWH	
Midday				
Final				

pH 7 Calibration Solution – Lot Number: 4AC516	Expiration Date: 3/2016
pH 4 Calibration Solution – Lot Number: 4AA619	Expiration Date: 1/2016
pH 10 Calibration Solution – Lot Number: 4AA160	Expiration Date: 1/2016
Specific Conductance Calibration Solution – Lot Number: 4AE356	Expiration Date: 2/2015
ORP Calibration Solution – Lot Number: 6448	Expiration Date 7/2018
1 NTU Turbidity Calibration Solution – Lot Number: NA	Expiration Date: NA
10 NTU Turbidity Calibration Solution – Lot Number: NA	Expiration Date: NA

Multiparameter Probe – Model: YSI 650/600 PES #: ~~[illegible]~~ 3684 SN: 02J0792
Turbidity Meter - Model: HACH2100Q PES #: 25973 SN: 14030C031281

Comments: (rental, condition, problems):

10	20	100	500
A4078 ~~A4084~~	A4077	A4083	A4084
Jun-15	Jun-15	Jun-15	Jun-15

METER CALIBRATION REPORT

Geosyntec consultants
engineers | scientists | innovators

Geosyntec Consultants
10220 Old Columbia Road
Columbia, MD 21046
PHONE (410)381-4333 FAX (410) 381-4499

Project Name:	Former Sperry Remington North	Date: 8/21/14	Page 1 of 1
Project Number:	MV0832	Primary Activities:	
Field Personnel:	KWH	Initial Calibration Completed at:	0710
Recorded By:	KWH	Midday Calibration Completed at:	
Weather:	70's - 80's. Intermittent rain.	Final Calibration Check Completed at:	1850

1. Specific Conductance Calibration — 1413 µS / cm

	Temp.	Initial	Cal to.
Initial	22.73	1462	1413
Midday			
Final	25.31	1427	

Turbidity	10	20	100	800
Initial	9.91	20.4	98.1	790
Final	10.1	19.7	101	786

2. pH Calibration

		Buffer Solution		
		pH 7.0	pH 4.0	pH 10.0
Initial	temperature (°C)	23.81	23.75	23.79
	instrument reading	7.08	4.03	9.73
	should read/calibrated	7.00	4.00	9.99
Midday	temperature (°C)			
	instrument reading			
	should read/calibrated			
Final	temperature (°C)	26.22	26.40	26.38
	instrument reading	7.15	4.12	9.87

4. Dissolved Oxygen Calibration

		Saturation	
		100%	0%
Initial	Barometer	735.8	735.8
	temperature (°C)	20.96	21.40
	instrument reading	8.41	0.46
	calibrated to	8.86	
Midday	Barometer		
	temperature (°C)		
	instrument reading		
	calibrated to		
Final	Barometer	735.8	735.8
	temperature (°C)	26.22	25.88
	instrument reading	8.72	0.59

3. ORP Calibration — +240 mv Zobell

	Temp.	Initial	Cal to.
Initial	22.51	236.1	240.0
Midday			
Final	26.71	238.2	

5. Turbidity

	1 NTU Initial	1 NTU Final	10 NTU Initial	10 NTU Final
Initial			KWH	
Midday				
Final				

pH 7 Calibration Solution – Lot Number: 4AC516	Expiration Date: 3/2016
pH 4 Calibration Solution – Lot Number: 4AA619	Expiration Date: 1/2016
pH 10 Calibration Solution – Lot Number: 4AA160	Expiration Date: 1/2016
Specific Conductance Calibration Solution – Lot Number: 4AE356	Expiration Date: 3/2015
ORP Calibration Solution – Lot Number: 6448	Expiration Date 7/2018
1 NTU Turbidity Calibration Solution – Lot Number: NA	Expiration Date: NA
10 NTU Turbidity Calibration Solution – Lot Number: NA	Expiration Date: NA

Multiparameter Probe – Model: YSI 650/600 PES #: 3684 SN: 02J0792

Turbidity Meter - Model: HACH 2100Q PES #: 25973 SN: 14030C031281

Comments: (rental, condition, problems):

NTU			
10	20	100	800
A4078	A4077	A4083	A4084
Jun-15	Jun-15	Jun-15	Jun-15

METER CALIBRATION REPORT

Geosyntec consultants

Geosyntec Consultants
10220 Old Columbia Road
Columbia, MD 21046
PHONE (410)381-4333 FAX (410) 381-4499

Project Name:	Former Sperry Remington North	Date:	8/22/14
Project Number:	MN0832	Page 1 of 1	
Field Personnel:	KWH	Primary Activities:	
Recorded By:	KWH	Initial Calibration Completed at:	0715
Weather:	70's-80's, Sunny	Midday Calibration Completed at:	
		Final Calibration Check Completed at:	

1. Specific Conductance Calibration 1413 µS / cm

	Temp.	Initial	Cal to.
Initial	23.16	1440	1413
Midday			
Final			

Turbidity	10	20	100	500
Initial	9.92	20.4	97.8	792
Final	10.1	20.3	102	789

2. pH Calibration

		Buffer Solution pH 7.0	pH 4.0	pH 10.0
Initial	temperature (°C)	23.22	23.26	23.18
	instrument reading	7.18	3.92	9.92
	should read/calibrated	7.00	400	10.01
Midday	temperature (°C)			
	instrument reading			
	should read/calibrated			
Final	temperature (°C)			
	instrument reading			

4. Dissolved Oxygen Calibration

		Saturation 100%	0%
Initial	Barometer	736.0	736.0
	temperature (°C)	20.12	20.58
	instrument reading	8.61	0.34
	calibrated to	8.80	—
Midday	Barometer		
	temperature (°C)		
	instrument reading		
	calibrated to		
Final	Barometer		
	temperature (°C)		
	instrument reading		

3. ORP Calibration +240 mv Zobell

	Temp.	Initial	Cal to.
Initial	22.91	229.8	240.1
Midday			
Final			

5. Turbidity

	1 NTU Initial	1 NTU Final	10 NTU Initial	10 NTU Final
Initial			KWH	
Midday				
Final				

pH 7 Calibration Solution – Lot Number:	4AC516	Expiration Date:	3/2016
pH 4 Calibration Solution – Lot Number:	4AA619	Expiration Date:	1/2016
pH 10 Calibration Solution – Lot Number:	4AA160	Expiration Date:	1/2016
Specific Conductance Calibration Solution – Lot Number:	4AE356	Expiration Date:	3/2015
ORP Calibration Solution – Lot Number:	6448	Expiration Date	7/2018
1 NTU Turbidity Calibration Solution – Lot Number:	NA	Expiration Date:	NA
10 NTU Turbidity Calibration Solution – Lot Number:	NA	Expiration Date:	NA

Multiparameter Probe – Model: YSI 600/650 PES #: 3684 SN: 02JQ792

Turbidity Meter - Model: HACH 2100 Q PES #: 25973 SN: 14030C031281

Comments: (rental, condition, problems):

NTU

10	20	100	500
A4078	A4077	A4083	A4084
Jun-15	Jun-15	Jun-15	Jun-15

APPENDIX E
Laboratory Analytical Reports

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

TestAmerica Job ID: 180-35053-1
Client Project/Site: Former Sperry Remington Site - North
Revision: 1

For:
Geosyntec Consultants, Inc.
10220 Old Columbia Road
Suite A
Columbia, Maryland 21046

Attn: Mr. Aron Krasnopoler

Authorized for release by:
9/8/2014 5:14:10 PM
Debbie Lowe, Lab Director
(412)963-2439
deb.lowe@testamericainc.com

Designee for

David Dunlap, Senior Project Manager
(412)963-2432
dave.dunlap@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Job ID: 180-35053-1

Laboratory: TestAmerica Pittsburgh

Narrative

This is a revised report. The 8082A PCB results have been revised. The chromatographic peaks for the aroclors have been re-integrated and reviewed based on data validation suggestions.

Job Narrative
180-35053-1

Receipt
The samples were received on 7/22/2014 8:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.6º C.

GC/MS VOA
Method(s) 8260C: Sample SSHS-FB5-B-SUB-1.5 had the recovery of surrogate toluene-d8 slightly above the control limits. The second terracore vial was analyzed, but had internal standards outside of criteria. Only the initial analysis with the high surrogate recovery was reported. A third analysis could not be completed as only two low level terracore vials were collected.

Method(s) 8260C: The laboratory control sample (LCS) for batch122620 recovered above the control limits for the following analyte: trans-1,3-dichloropropene. As this analyte was biased high in the LCS and was not detected in the associated sample, the results have been reported.

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

GC/MS Semi VOA
Method(s) 8270D LL: The following sample was diluted to bring the concentration of target analytes within the calibration range: SSHS-B47-A-SS (180-35053-17). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
Method(s) 8082A: The initial scoping of the project was set for routine PCB analysis. Bottles (125 ml amber glass bottles for the equipment blank, instead of 1 liter amber glass bottles for the low level PCB analysis) were submitted accordingly. The equipment blank, sample EB-20140721 (180-35053-23), was received in the 125 ml amber bottles. The entire volume was extracted, the reporting limits were elevated accordingly.

Method(s) 8082A: The soil samples appear to contain a mixture or aroclors 1248, 1254, and/or 1262; however, due to weathering or other environmental processes, the PCBs in the samples do not closely match the laboratory's aroclor standards used for instrument calibration. The samples have been quantified and reported as containing the various aroclors. Due to the poor match with the aroclor standards, there is increased qualitative and quantitative uncertainty associated with those results.

Method(s) 8082A: The soil samples were initially analyzed starting at a 10x dilution. Many of the samples contained aroclors above the instrument's calibration range and required further dilution. Several samples had the surrogates diluted out, with recoveries being flagged with a "D" qualifier.

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

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

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

Definitions/Glossary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35053-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
*	LCS or LCSD exceeds the control limits
X	Surrogate is outside control limits

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery exceeds the control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35053-1

Project/Site: Former Sperry Remington Site - North

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-15
California	State Program	9	2891	03-31-15
Connecticut	State Program	1	PH-0688	09-30-14 *
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	01-31-15
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-15
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-15
North Carolina (WW/SW)	State Program	4	434	12-31-14
Pennsylvania	NELAP	3	02-00416	04-30-15
South Carolina	State Program	4	89014	04-30-15
Texas	NELAP	6	T104704528	03-31-15
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P330-10-00139	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-14 *
West Virginia DEP	State Program	3	142	01-31-15
Wisconsin	State Program	5	998027800	08-31-14 *

* Certification renewal pending - certification considered valid.

Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-35053-1	SSHS-FB5-A-SS	Solid	07/21/14 13:55	07/22/14 08:55
180-35053-2	SSHS-FB5-A-SUB-1.5	Solid	07/21/14 14:00	07/22/14 08:55
180-35053-3	SSHS-FB5-A-SUB-2.5	Solid	07/21/14 14:05	07/22/14 08:55
180-35053-4	SSHS-FB5-B-SS	Solid	07/21/14 13:30	07/22/14 08:55
180-35053-5	SSHS-FB5-B-SUB-1.5	Solid	07/21/14 13:35	07/22/14 08:55
180-35053-6	SSHS-FB5-B-SUB-2.5	Solid	07/21/14 13:40	07/22/14 08:55
180-35053-7	SSHS-FB5-C-SS	Solid	07/21/14 14:30	07/22/14 08:55
180-35053-8	SSHS-FB5-C-SUB-1.5	Solid	07/21/14 14:35	07/22/14 08:55
180-35053-9	SSHS-FB5-C-SUB-2.5	Solid	07/21/14 14:40	07/22/14 08:55
180-35053-10	SSHS-FB5-D-SS	Solid	07/21/14 12:15	07/22/14 08:55
180-35053-11	SSHS-FB5-D-SUB-1.5	Solid	07/21/14 12:20	07/22/14 08:55
180-35053-12	SSHS-FB5-D-SUB-2.5	Solid	07/21/14 12:25	07/22/14 08:55
180-35053-13	SSHS-FB5-E-SS	Solid	07/21/14 13:00	07/22/14 08:55
180-35053-14	SSHS-FB5-E-SUB-1.5	Solid	07/21/14 13:05	07/22/14 08:55
180-35053-15	SSHS-FB5-E-SUB-2.5	Solid	07/21/14 13:10	07/22/14 08:55
180-35053-16	SSHS-FB5-DUP1	Solid	07/21/14 00:00	07/22/14 08:55
180-35053-17	SSHS-B47-A-SS	Solid	07/21/14 14:05	07/22/14 08:55
180-35053-18	SSHS-SS14-A-SS	Solid	07/21/14 12:05	07/22/14 08:55
180-35053-19	SSHS-B34-A-SS	Solid	07/21/14 13:05	07/22/14 08:55
180-35053-20	SSHS-B46-A-SS	Solid	07/21/14 14:15	07/22/14 08:55
180-35053-21	SSHS-B32-A-SS	Solid	07/21/14 12:20	07/22/14 08:55
180-35053-22	SSHS-B9-A-SS	Solid	07/21/14 13:20	07/22/14 08:55
180-35053-23	EB-20140721	Water	07/21/14 17:20	07/22/14 08:55
180-35053-24	SSHS-FB7-D-SS	Solid	07/21/14 15:50	07/22/14 08:55
180-35053-25	SSHS-FB7-D-SUB-0.17-1	Solid	07/21/14 15:55	07/22/14 08:55
180-35053-26	SSHS-FB7-D-SUB-1-2	Solid	07/21/14 16:00	07/22/14 08:55
180-35053-27	SSHS-FB7-D-SUB-2-3	Solid	07/21/14 16:10	07/22/14 08:55
180-35053-28	SSHS-FB7-A-SS	Solid	07/21/14 16:20	07/22/14 08:55
180-35053-29	SSHS-FB7-A-SUB-0.17-1	Solid	07/21/14 16:25	07/22/14 08:55
180-35053-30	SSHS-FB7-A-SUB-1-2	Solid	07/21/14 16:30	07/22/14 08:55
180-35053-31	SSHS-FB7-A-SUB-2-3	Solid	07/21/14 16:35	07/22/14 08:55
180-35053-32	SSHS-FB7-B-SS	Solid	07/21/14 16:40	07/22/14 08:55
180-35053-33	SSHS-FB7-B-SUB-0.17-1	Solid	07/21/14 16:45	07/22/14 08:55
180-35053-34	SSHS-FB7-B-SUB-1-2	Solid	07/21/14 16:50	07/22/14 08:55
180-35053-35	SSHS-FB7-B-SUB-2-3	Solid	07/21/14 16:55	07/22/14 08:55
180-35053-36	SSHS-FB7-E-SS	Solid	07/21/14 17:00	07/22/14 08:55
180-35053-37	SSHS-FB7-E-SUB-0.17-1	Solid	07/21/14 17:03	07/22/14 08:55
180-35053-38	SSHS-FB7-E-SUB-1-2	Solid	07/21/14 17:05	07/22/14 08:55
180-35053-39	SSHS-FB7-E-SUB-2-3	Solid	07/21/14 17:10	07/22/14 08:55
180-35053-40	SSHS-FB7-C-SS	Solid	07/21/14 17:15	07/22/14 08:55
180-35053-41	SSHS-FB7-C-SUB-0.17-1	Solid	07/21/14 17:18	07/22/14 08:55
180-35053-42	SSHS-FB7-C-SUB-1-2	Solid	07/21/14 17:22	07/22/14 08:55
180-35053-43	SSHS-FB7-C-SUB-2-3	Solid	07/21/14 17:25	07/22/14 08:55
180-35053-44	SSHS-FB7-DUP4	Solid	07/21/14 00:00	07/22/14 08:55
180-35053-45	SSHS-FB7-DUP2	Solid	07/21/14 00:00	07/22/14 08:55
180-35053-46	SSHS-FB7-DUP3	Solid	07/21/14 00:00	07/22/14 08:55

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds (GC/MS)	SW846	TAL PIT
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
8082A	Polychlorinated Biphenyls (PCBs) (GC)	SW846	TAL PIT
6010C	Metals (ICP)	SW846	TAL PIT
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT

Protocol References:

SM22 = SM22

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Client Sample ID: SSHS-FB5-A-SS

Lab Sample ID: 180-35053-1

Date Collected: 07/21/14 13:55
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5355 g	5 mL	112281	07/23/14 03:44	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.5355 g	5 mL	112277	07/23/14 06:52	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB5-A-SUB-1.5

Lab Sample ID: 180-35053-2

Date Collected: 07/21/14 14:00
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.653 g	5 mL	112281	07/23/14 03:44	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.653 g	5 mL	112277	07/23/14 06:26	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB5-A-SUB-2.5

Lab Sample ID: 180-35053-3

Date Collected: 07/21/14 14:05
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.6426 g	5 mL	112281	07/23/14 03:44	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.6426 g	5 mL	112277	07/23/14 09:03	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB5-B-SS

Lab Sample ID: 180-35053-4

Date Collected: 07/21/14 13:30
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 75.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.8943 g	5 mL	112281	07/23/14 03:44	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.8943 g	5 mL	112277	07/23/14 09:25	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35053-1

Client Sample ID: SSHS-FB5-B-SUB-1.5

Lab Sample ID: 180-35053-5

Date Collected: 07/21/14 13:35
Date Received: 07/22/14 08:55

Matrix: Solid
Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.509 g	5 mL	112281	07/23/14 03:44	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.509 g	5 mL	112277	07/23/14 09:47	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB5-B-SUB-2.5

Lab Sample ID: 180-35053-6

Date Collected: 07/21/14 13:40
Date Received: 07/22/14 08:55

Matrix: Solid
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.6961 g	5 mL	112281	07/23/14 03:44	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.6961 g	5 mL	112277	07/23/14 10:09	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB5-C-SS

Lab Sample ID: 180-35053-7

Date Collected: 07/21/14 14:30
Date Received: 07/22/14 08:55

Matrix: Solid
Percent Solids: 73.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.5214 g	5 mL	112281	07/23/14 03:44	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.5214 g	5 mL	112277	07/23/14 10:31	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB5-C-SUB-1.5

Lab Sample ID: 180-35053-8

Date Collected: 07/21/14 14:35
Date Received: 07/22/14 08:55

Matrix: Solid
Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.6103 g	5 mL	112281	07/23/14 03:44	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.6103 g	5 mL	112277	07/23/14 10:54	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Lab Chronicle

Client Sample ID: SSHS-FB5-C-SUB-2.5

Lab Sample ID: 180-35053-9

Date Collected: 07/21/14 14:40
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3.2296 g	5 mL	112281	07/23/14 03:44	KLG	TAL PIT
Total/NA	Analysis	8260C		1	3.2296 g	5 mL	112277	07/23/14 11:16	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-FB5-D-SS

Lab Sample ID: 180-35053-10

Date Collected: 07/21/14 12:15
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 72.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8071 g	5 mL	112281	07/23/14 03:44	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.8071 g	5 mL	112277	07/23/14 11:38	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-FB5-D-SUB-1.5

Lab Sample ID: 180-35053-11

Date Collected: 07/21/14 12:20
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.4916 g	5 mL	112281	07/23/14 03:44	KLG	TAL PIT
Total/NA	Analysis	8260C		1	7.4916 g	5 mL	112277	07/23/14 12:00	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-FB5-D-SUB-2.5

Lab Sample ID: 180-35053-12

Date Collected: 07/21/14 12:25
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0334 g	5 mL	112281	07/23/14 03:44	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.0334 g	5 mL	112277	07/23/14 12:22	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client Sample ID: SSHS-FB5-E-SS

Lab Sample ID: 180-35053-13

Date Collected: 07/21/14 13:00
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 72.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.1417 g	5 mL	112281	07/23/14 03:44	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.1417 g	5 mL	112277	07/23/14 12:44	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB5-E-SUB-1.5

Lab Sample ID: 180-35053-14

Date Collected: 07/21/14 13:05
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3608 g	5 mL	112281	07/23/14 03:44	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.3608 g	5 mL	112277	07/23/14 13:06	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB5-E-SUB-2.5

Lab Sample ID: 180-35053-15

Date Collected: 07/21/14 13:10
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7725 g	5 mL	112413	07/24/14 04:02	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.7725 g	5 mL	112409	07/24/14 08:59	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB5-DUP1

Lab Sample ID: 180-35053-16

Date Collected: 07/21/14 00:00
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3.4454 g	5 mL	112281	07/23/14 03:44	KLG	TAL PIT
Total/NA	Analysis	8260C		1	3.4454 g	5 mL	112277	07/23/14 13:28	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Lab Chronicle

Client Sample ID: SSHS-B47-A-SS

Lab Sample ID: 180-35053-17

Date Collected: 07/21/14 14:05
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	112566	07/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D LL		2	15.1 g	0.5 mL	112599	07/25/14 11:54	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Analysis	2540G		1			112369	07/23/14 14:59	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-SS14-A-SS

Lab Sample ID: 180-35053-18

Date Collected: 07/21/14 12:05
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			00001.00 g	100 mL	112478	07/24/14 10:44	LEM	TAL PIT
Total/NA	Analysis	6010C		1	00001.00 g	100 mL	112627	07/25/14 08:16	RJR	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			00000.64 g	100 mL	112471	07/24/14 09:36	JWS	TAL PIT
Total/NA	Analysis	7471B		1	00000.64 g	100 mL	112516	07/24/14 14:06	JWS	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			112369	07/23/14 14:59	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-B34-A-SS

Lab Sample ID: 180-35053-19

Date Collected: 07/21/14 13:05
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	1.0 mL	117172	07/25/14 23:00	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112369	07/23/14 14:59	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-B46-A-SS

Lab Sample ID: 180-35053-20

Date Collected: 07/21/14 14:15
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	1.0 mL	117172	07/25/14 23:32	DFE	TAL PIT
	Instrument ID:	CHGC8_R								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35053-1

Client Sample ID: SSHS-B46-A-SS

Lab Sample ID: 180-35053-20

Date Collected: 07/21/14 14:15

Matrix: Solid

Date Received: 07/22/14 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			112369	07/23/14 14:59	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-B32-A-SS

Lab Sample ID: 180-35053-21

Date Collected: 07/21/14 12:20

Matrix: Solid

Date Received: 07/22/14 08:55

Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.2 g	1.0 mL	117172	07/26/14 00:04	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112369	07/23/14 14:59	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-B9-A-SS

Lab Sample ID: 180-35053-22

Date Collected: 07/21/14 13:20

Matrix: Solid

Date Received: 07/22/14 08:55

Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	1.0 mL	117172	07/26/14 00:37	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112369	07/23/14 14:59	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: EB-20140721

Lab Sample ID: 180-35053-23

Date Collected: 07/21/14 17:20

Matrix: Water

Date Received: 07/22/14 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	112620	07/25/14 15:26	DLF	TAL PIT
	Instrument ID:	CHHP5								
Total/NA	Prep	3510C			125 mL	1.0 mL	112360	07/23/14 14:00	CBY	TAL PIT
Total/NA	Analysis	8082A		1	125 mL	1.0 mL	117172	07/25/14 10:37	DFE	TAL PIT
	Instrument ID:	CHGC8_R								

Client Sample ID: SSHS-FB7-D-SS

Lab Sample ID: 180-35053-24

Date Collected: 07/21/14 15:50

Date Received: 07/22/14 08:55

Matrix: Solid

Percent Solids: 75.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.1 g	1.0 mL	117172	07/26/14 01:09	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112369	07/23/14 14:59	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB7-D-SUB-0.17-1

Lab Sample ID: 180-35053-25

Date Collected: 07/21/14 15:55

Date Received: 07/22/14 08:55

Matrix: Solid

Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	1.0 mL	117172	07/26/14 01:41	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112369	07/23/14 14:59	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB7-D-SUB-1-2

Lab Sample ID: 180-35053-26

Date Collected: 07/21/14 16:00

Date Received: 07/22/14 08:55

Matrix: Solid

Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		50	15.1 g	1.0 mL	117172	07/26/14 12:27	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112369	07/23/14 14:59	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB7-D-SUB-2-3

Lab Sample ID: 180-35053-27

Date Collected: 07/21/14 16:10

Date Received: 07/22/14 08:55

Matrix: Solid

Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		5000	15.0 g	1.0 mL	117172	07/27/14 19:10	DFE	TAL PIT
	Instrument ID:	CHGC8_R								

Client Sample ID: SSHS-FB7-D-SUB-2-3
Lab Sample ID: 180-35053-27
Date Collected: 07/21/14 16:10
Matrix: Solid
Date Received: 07/22/14 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			112369	07/23/14 14:59	AJB	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-FB7-A-SS
Lab Sample ID: 180-35053-28
Date Collected: 07/21/14 16:20
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	1.0 mL	117172	07/26/14 05:59	DFE	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Analysis	2540G		1			112369	07/23/14 14:59	AJB	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-FB7-A-SUB-0.17-1
Lab Sample ID: 180-35053-29
Date Collected: 07/21/14 16:25
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.1 g	1.0 mL	117172	07/26/14 06:31	DFE	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Analysis	2540G		1			112369	07/23/14 14:59	AJB	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-FB7-A-SUB-1-2
Lab Sample ID: 180-35053-30
Date Collected: 07/21/14 16:30
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		200	15.1 g	1.0 mL	117172	07/26/14 14:36	DFE	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Analysis	2540G		1			112369	07/23/14 14:59	AJB	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-FB7-A-SUB-2-3
Lab Sample ID: 180-35053-31

Date Collected: 07/21/14 16:35
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	1.0 mL	117172	07/26/14 07:36	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB7-B-SS
Lab Sample ID: 180-35053-32

Date Collected: 07/21/14 16:40
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.1 g	1.0 mL	117172	07/26/14 08:08	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB7-B-SUB-0.17-1
Lab Sample ID: 180-35053-33

Date Collected: 07/21/14 16:45
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	1.0 mL	117172	07/26/14 08:41	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112367	07/23/14 14:56	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB7-B-SUB-1-2
Lab Sample ID: 180-35053-34

Date Collected: 07/21/14 16:50
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		500	15.0 g	1.0 mL	117172	07/26/14 15:08	DFE	TAL PIT
	Instrument ID:	CHGC8_R								

Lab Chronicle

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35053-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-FB7-B-SUB-1-2 Lab Sample ID: 180-35053-34

Date Collected: 07/21/14 16:50 **Matrix: Solid**
Date Received: 07/22/14 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			112362	07/23/14 14:45	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB7-B-SUB-2-3 Lab Sample ID: 180-35053-35

Date Collected: 07/21/14 16:55 **Matrix: Solid**
Date Received: 07/22/14 08:55 **Percent Solids: 89.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		100	15.2 g	1.0 mL	117172	07/26/14 15:41	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112362	07/23/14 14:45	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB7-E-SS Lab Sample ID: 180-35053-36

Date Collected: 07/21/14 17:00 **Matrix: Solid**
Date Received: 07/22/14 08:55 **Percent Solids: 84.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.1 g	1.0 mL	117172	07/26/14 10:18	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112362	07/23/14 14:45	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB7-E-SUB-0.17-1 Lab Sample ID: 180-35053-37

Date Collected: 07/21/14 17:03 **Matrix: Solid**
Date Received: 07/22/14 08:55 **Percent Solids: 90.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		50	15.0 g	1.0 mL	117172	07/27/14 17:33	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112362	07/23/14 14:45	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB7-E-SUB-1-2 Lab Sample ID: 180-35053-38

Date Collected: 07/21/14 17:05 **Matrix: Solid**
Date Received: 07/22/14 08:55 **Percent Solids: 89.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		200	15.1 g	1.0 mL	117172	07/28/14 09:04	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112362	07/23/14 14:45	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB7-E-SUB-2-3 Lab Sample ID: 180-35053-39

Date Collected: 07/21/14 17:10 **Matrix: Solid**
Date Received: 07/22/14 08:55 **Percent Solids: 89.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112578	07/25/14 03:30	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112656	07/25/14 14:32	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112657	07/25/14 14:33	DFE	TAL PIT
Total/NA	Analysis	8082A		50	15.0 g	1.0 mL	117172	07/27/14 18:37	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112362	07/23/14 14:45	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB7-C-SS Lab Sample ID: 180-35053-40

Date Collected: 07/21/14 17:15 **Matrix: Solid**
Date Received: 07/22/14 08:55 **Percent Solids: 79.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	1.0 mL	112684	07/26/14 02:40	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112702	07/26/14 11:42	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112703	07/26/14 11:43	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.2 g	1.0 mL	117172	07/27/14 07:50	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112362	07/23/14 14:45	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB7-C-SUB-0.17-1 Lab Sample ID: 180-35053-41

Date Collected: 07/21/14 17:18 **Matrix: Solid**
Date Received: 07/22/14 08:55 **Percent Solids: 84.1**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112684	07/26/14 02:40	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112702	07/26/14 11:42	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112703	07/26/14 11:43	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	1.0 mL	117172	07/27/14 08:22	DFE	TAL PIT
	Instrument ID:	CHGC8_R								

Lab Chronicle

Client Sample ID: SSHS-FB7-C-SUB-0.17-1
Lab Sample ID: 180-35053-41
Date Collected: 07/21/14 17:18
Matrix: Solid
Date Received: 07/22/14 08:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			112362	07/23/14 14:45	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB7-C-SUB-1-2
Lab Sample ID: 180-35053-42
Date Collected: 07/21/14 17:22
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112684	07/26/14 02:40	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112702	07/26/14 11:42	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112703	07/26/14 11:43	DFE	TAL PIT
Total/NA	Analysis	8082A		100	15.1 g	1.0 mL	117172	07/27/14 23:28	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112362	07/23/14 14:45	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB7-C-SUB-2-3
Lab Sample ID: 180-35053-43
Date Collected: 07/21/14 17:25
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112684	07/26/14 02:40	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112702	07/26/14 11:42	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112703	07/26/14 11:43	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.1 g	1.0 mL	117172	07/27/14 09:26	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112362	07/23/14 14:45	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB7-DUP4
Lab Sample ID: 180-35053-44
Date Collected: 07/21/14 00:00
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112684	07/26/14 02:40	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112702	07/26/14 11:42	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112703	07/26/14 11:43	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	1.0 mL	117172	07/27/14 09:59	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112362	07/23/14 14:45	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB7-DUP2 Lab Sample ID: 180-35053-45

Date Collected: 07/21/14 00:00 **Matrix: Solid**

Date Received: 07/22/14 08:55 **Percent Solids: 91.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112684	07/26/14 02:40	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112702	07/26/14 11:42	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112703	07/26/14 11:43	DFE	TAL PIT
Total/NA	Analysis	8082A		100	15.0 g	1.0 mL	117172	07/27/14 00:00	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112362	07/23/14 14:45	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB7-DUP3 Lab Sample ID: 180-35053-46

Date Collected: 07/21/14 00:00 **Matrix: Solid**

Date Received: 07/22/14 08:55 **Percent Solids: 96.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112684	07/26/14 02:40	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112702	07/26/14 11:42	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112703	07/26/14 11:43	DFE	TAL PIT
Total/NA	Analysis	8082A		100	15.1 g	1.0 mL	117172	07/28/14 00:32	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112362	07/23/14 14:45	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT

Batch Type: Cleanup

DFE = David Eppinger

Batch Type: Prep

CBY = Charles Yushinski

JWS = Jim Swanson

KLG = Kevin Geehring

LEM = Lauren McGrath

Batch Type: Analysis

AJB = Amanda Brunick

DFE = David Eppinger

DLF = Donald Ferguson

JWS = Jim Swanson

KLG = Kathy Gordon

RJR = Ron Rosenbaum

VVP = Vincent Piccolino

Client Sample ID: SSHS-FB5-A-SS

Lab Sample ID: 180-35053-1

Date Collected: 07/21/14 13:55

Matrix: Solid

Date Received: 07/22/14 08:55

Percent Solids: 78.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		23	5.7	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Benzene	ND		5.7	0.77	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Bromoform	ND		5.7	0.51	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Bromomethane	ND		5.7	0.85	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
2-Butanone (MEK)	ND		5.7	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Carbon disulfide	ND		5.7	0.59	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Carbon tetrachloride	ND		5.7	0.51	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Chlorobenzene	ND		5.7	0.87	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Chlorobromomethane	ND		5.7	0.79	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Chlorodibromomethane	ND		5.7	0.81	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Chloroethane	ND		5.7	1.8	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Chloroform	ND		5.7	0.67	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Chloromethane	ND		5.7	0.98	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
cis-1,2-Dichloroethene	ND		5.7	0.81	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
cis-1,3-Dichloropropene	ND		5.7	0.78	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Cyclohexane	ND		5.7	0.43	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
1,2-Dibromo-3-Chloropropane	ND		5.7	0.86	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
1,2-Dibromoethane	ND		5.7	0.99	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
1,2-Dichlorobenzene	ND		5.7	0.91	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
1,3-Dichlorobenzene	ND		5.7	0.75	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
1,4-Dichlorobenzene	ND		5.7	0.73	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Dichlorobromomethane	ND		5.7	0.64	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Dichlorodifluoromethane	ND		5.7	0.76	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
1,1-Dichloroethane	ND		5.7	0.66	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
1,2-Dichloroethane	ND		5.7	0.70	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
1,1-Dichloroethene	ND		5.7	0.97	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
1,2-Dichloropropane	ND		5.7	0.62	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
1,4-Dioxane	ND		1100	320	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Ethylbenzene	ND		5.7	0.74	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
2-Hexanone	ND		5.7	0.79	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Isopropylbenzene	ND		5.7	0.78	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Methyl acetate	ND		5.7	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Methylcyclohexane	ND		5.7	0.83	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Methylene Chloride	ND		5.7	0.77	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.7	0.75	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Methyl tert-butyl ether	ND		5.7	0.86	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
m-Xylene & p-Xylene	ND		11	1.7	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
o-Xylene	ND		5.7	0.89	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Styrene	ND		5.7	0.81	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
1,1,2,2-Tetrachloroethane	ND		5.7	0.82	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Tetrachloroethene	ND		5.7	0.78	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Toluene	ND		5.7	0.84	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
trans-1,2-Dichloroethene	ND		5.7	0.68	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
trans-1,3-Dichloropropene	ND		5.7	0.69	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
1,2,3-Trichlorobenzene	ND		5.7	0.97	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
1,2,4-Trichlorobenzene	ND		5.7	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
1,1,1-Trichloroethane	ND		5.7	0.56	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
1,1,2-Trichloroethane	ND		5.7	0.95	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Trichloroethene	ND		5.7	0.75	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1

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

Client Sample ID: SSHS-FB5-A-SS

Lab Sample ID: 180-35053-1
Date Collected: 07/21/14 13:55
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		5.7	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1
Vinyl chloride	ND		5.7	0.54	ug/Kg	☼	07/23/14 03:44	07/23/14 06:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*07/23/14 03:44*	*07/23/14 06:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*63 - 120*	*07/23/14 03:44*	*07/23/14 06:52*	*1*
Dibromofluoromethane (Surr)	*100*		*68 - 121*	*07/23/14 03:44*	*07/23/14 06:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*52 - 124*	*07/23/14 03:44*	*07/23/14 06:52*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*07/23/14 03:44*	*07/23/14 06:52*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**21**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**79**		0.10	0.10	%			07/23/14 14:56	1

Client Sample ID: SSHS-FB5-A-SUB-1.5

Lab Sample ID: 180-35053-2
Date Collected: 07/21/14 14:00
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 91.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		23	5.9	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Benzene	ND		5.9	0.79	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Bromoform	ND		5.9	0.52	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Bromomethane	ND		5.9	0.87	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
2-Butanone (MEK)	ND		5.9	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Carbon disulfide	ND		5.9	0.60	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Carbon tetrachloride	ND		5.9	0.52	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Chlorobenzene	ND		5.9	0.89	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Chlorobromomethane	ND		5.9	0.81	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Chlorodibromomethane	ND		5.9	0.83	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Chloroethane	ND		5.9	1.8	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Chloroform	ND		5.9	0.69	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Chloromethane	ND		5.9	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
cis-1,2-Dichloroethene	ND		5.9	0.82	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
cis-1,3-Dichloropropene	ND		5.9	0.79	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Cyclohexane	ND		5.9	0.43	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
1,2-Dibromo-3-Chloropropane	ND		5.9	0.88	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
1,2-Dibromoethane	ND		5.9	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
1,2-Dichlorobenzene	ND		5.9	0.93	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
1,3-Dichlorobenzene	ND		5.9	0.77	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
1,4-Dichlorobenzene	ND		5.9	0.75	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Dichlorobromomethane	ND		5.9	0.66	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Dichlorodifluoromethane	ND		5.9	0.78	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
1,1-Dichloroethane	ND		5.9	0.67	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
1,2-Dichloroethane	ND		5.9	0.72	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
1,1-Dichloroethene	ND		5.9	0.99	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1

Client Sample ID: SSHS-FB5-A-SUB-1.5

Lab Sample ID: 180-35053-2

Date Collected: 07/21/14 14:00

Matrix: Solid

Date Received: 07/22/14 08:55

Percent Solids: 91.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		5.9	0.64	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
1,4-Dioxane	ND		1200	320	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Ethylbenzene	ND		5.9	0.75	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
2-Hexanone	ND		5.9	0.81	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Isopropylbenzene	ND		5.9	0.80	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Methyl acetate	ND		5.9	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Methylcyclohexane	ND		5.9	0.85	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Methylene Chloride	ND		5.9	0.79	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.9	0.76	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Methyl tert-butyl ether	ND		5.9	0.88	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
m-Xylene & p-Xylene	ND		12	1.7	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
o-Xylene	ND		5.9	0.91	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Styrene	ND		5.9	0.83	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
1,1,2,2-Tetrachloroethane	ND		5.9	0.84	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Tetrachloroethene	ND		5.9	0.80	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Toluene	ND		5.9	0.85	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
trans-1,2-Dichloroethene	ND		5.9	0.70	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
trans-1,3-Dichloropropene	ND		5.9	0.70	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
1,2,3-Trichlorobenzene	ND		5.9	0.99	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
1,2,4-Trichlorobenzene	ND		5.9	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
1,1,1-Trichloroethane	ND		5.9	0.57	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
1,1,2-Trichloroethane	ND		5.9	0.97	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Trichloroethene	**20**		5.9	0.77	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Trichlorofluoromethane	ND		5.9	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1
Vinyl chloride	ND		5.9	0.55	ug/Kg	☼	07/23/14 03:44	07/23/14 06:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*07/23/14 03:44*	*07/23/14 06:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*63 - 120*	*07/23/14 03:44*	*07/23/14 06:26*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*07/23/14 03:44*	*07/23/14 06:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*52 - 124*	*07/23/14 03:44*	*07/23/14 06:26*	*1*
Toluene-d8 (Surr)	*105*		*72 - 127*	*07/23/14 03:44*	*07/23/14 06:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.3**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**92**		0.10	0.10	%			07/23/14 14:56	1

Client Sample ID: SSHS-FB5-A-SUB-2.5

Lab Sample ID: 180-35053-3

Date Collected: 07/21/14 14:05

Matrix: Solid

Date Received: 07/22/14 08:55

Percent Solids: 91.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		16	4.1	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Benzene	ND		4.1	0.56	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Bromoform	ND		4.1	0.36	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1

Client Sample Results

Client Sample ID: SSHS-FB5-A-SUB-2.5
Date Collected: 07/21/14 14:05
Date Received: 07/22/14 08:55

Lab Sample ID: 180-35053-3
Matrix: Solid
Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		4.1	0.61	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
2-Butanone (MEK)	ND		4.1	0.73	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Carbon disulfide	ND		4.1	0.42	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Carbon tetrachloride	ND		4.1	0.37	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Chlorobenzene	ND		4.1	0.62	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Chlorobromomethane	ND		4.1	0.57	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Chlorodibromomethane	ND		4.1	0.58	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Chloroethane	ND		4.1	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Chloroform	ND		4.1	0.48	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Chloromethane	ND		4.1	0.70	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
cis-1,2-Dichloroethene	ND		4.1	0.58	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
cis-1,3-Dichloropropene	ND		4.1	0.56	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Cyclohexane	ND		4.1	0.31	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
1,2-Dibromo-3-Chloropropane	ND		4.1	0.62	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
1,2-Dibromoethane	ND		4.1	0.71	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
1,2-Dichlorobenzene	ND		4.1	0.66	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
1,3-Dichlorobenzene	ND		4.1	0.54	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
1,4-Dichlorobenzene	ND		4.1	0.52	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Dichlorobromomethane	ND		4.1	0.46	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Dichlorodifluoromethane	ND		4.1	0.55	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
1,1-Dichloroethane	ND		4.1	0.47	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
1,2-Dichloroethane	ND		4.1	0.50	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
1,1-Dichloroethene	ND		4.1	0.70	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
1,2-Dichloropropane	ND		4.1	0.45	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
1,4-Dioxane	ND		820	230	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Ethylbenzene	ND		4.1	0.53	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
2-Hexanone	ND		4.1	0.57	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Isopropylbenzene	ND		4.1	0.56	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Methyl acetate	ND		4.1	0.74	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Methylcyclohexane	ND		4.1	0.60	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Methylene Chloride	ND		4.1	0.55	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
4-Methyl-2-pentanone (MIBK)	ND		4.1	0.54	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Methyl tert-butyl ether	ND		4.1	0.62	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
m-Xylene & p-Xylene	ND		8.2	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
o-Xylene	ND		4.1	0.64	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Styrene	ND		4.1	0.58	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
1,1,2,2-Tetrachloroethane	ND		4.1	0.59	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Tetrachloroethene	ND		4.1	0.56	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Toluene	ND		4.1	0.60	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
trans-1,2-Dichloroethene	ND		4.1	0.49	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
trans-1,3-Dichloropropene	ND		4.1	0.49	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
1,2,3-Trichlorobenzene	ND		4.1	0.70	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
1,2,4-Trichlorobenzene	ND		4.1	0.73	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
1,1,1-Trichloroethane	ND		4.1	0.40	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
1,1,2-Trichloroethane	ND		4.1	0.68	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Trichloroethene	**29**		4.1	0.54	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Trichlorofluoromethane	ND		4.1	0.76	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.1	0.88	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1
Vinyl chloride	ND		4.1	0.39	ug/Kg	☼	07/23/14 03:44	07/23/14 09:03	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35053-1

Client Sample ID: SSHS-FB5-A-SUB-2.5

Lab Sample ID: 180-35053-3

Date Collected: 07/21/14 14:05
Date Received: 07/22/14 08:55

Matrix: Solid
Percent Solids: 91.5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*07/23/14 03:44*	*07/23/14 09:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*63 - 120*	*07/23/14 03:44*	*07/23/14 09:03*	*1*
Dibromofluoromethane (Surr)	*100*		*68 - 121*	*07/23/14 03:44*	*07/23/14 09:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*52 - 124*	*07/23/14 03:44*	*07/23/14 09:03*	*1*
Toluene-d8 (Surr)	*107*		*72 - 127*	*07/23/14 03:44*	*07/23/14 09:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.5**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**91**		0.10	0.10	%			07/23/14 14:56	1

Client Sample ID: SSHS-FB5-B-SS

Lab Sample ID: 180-35053-4

Date Collected: 07/21/14 13:30
Date Received: 07/22/14 08:55

Matrix: Solid
Percent Solids: 75.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**97**		27	6.8	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Benzene	ND		6.8	0.91	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Bromoform	ND		6.8	0.60	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Bromomethane	ND		6.8	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
2-Butanone (MEK)	ND		6.8	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Carbon disulfide	ND		6.8	0.69	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Carbon tetrachloride	ND		6.8	0.60	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Chlorobenzene	ND		6.8	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Chlorobromomethane	ND		6.8	0.93	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Chlorodibromomethane	ND		6.8	0.96	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Chloroethane	ND		6.8	2.1	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Chloroform	ND		6.8	0.79	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Chloromethane	ND		6.8	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
cis-1,2-Dichloroethene	ND		6.8	0.95	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
cis-1,3-Dichloropropene	ND		6.8	0.92	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Cyclohexane	ND		6.8	0.50	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
1,2-Dibromo-3-Chloropropane	ND		6.8	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
1,2-Dibromoethane	ND		6.8	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
1,2-Dichlorobenzene	ND		6.8	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
1,3-Dichlorobenzene	ND		6.8	0.89	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
1,4-Dichlorobenzene	ND		6.8	0.86	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Dichlorobromomethane	ND		6.8	0.76	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Dichlorodifluoromethane	ND		6.8	0.90	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
1,1-Dichloroethane	ND		6.8	0.78	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
1,2-Dichloroethane	ND		6.8	0.83	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
1,1-Dichloroethene	ND		6.8	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
1,2-Dichloropropane	ND		6.8	0.73	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
1,4-Dioxane	ND		1400	370	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Ethylbenzene	ND		6.8	0.87	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
2-Hexanone	ND		6.8	0.93	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Isopropylbenzene	ND		6.8	0.92	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Methyl acetate	ND		6.8	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1

Client Sample ID: SSHS-FB5-B-SS

Lab Sample ID: 180-35053-4

Date Collected: 07/21/14 13:30
Date Received: 07/22/14 08:55
Matrix: Solid
Percent Solids: 75.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		6.8	0.98	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Methylene Chloride	**3.1**	**J**	6.8	0.91	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
4-Methyl-2-pentanone (MIBK)	ND		6.8	0.88	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Methyl tert-butyl ether	ND		6.8	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
m-Xylene & p-Xylene	ND		14	2.0	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
o-Xylene	ND		6.8	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Styrene	ND		6.8	0.95	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
1,1,2,2-Tetrachloroethane	ND		6.8	0.97	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Tetrachloroethene	ND		6.8	0.92	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Toluene	ND		6.8	0.99	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
trans-1,2-Dichloroethene	ND		6.8	0.81	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
trans-1,3-Dichloropropene	ND		6.8	0.81	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
1,2,3-Trichlorobenzene	ND		6.8	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
1,2,4-Trichlorobenzene	ND		6.8	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
1,1,1-Trichloroethane	ND		6.8	0.66	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
1,1,2-Trichloroethane	ND		6.8	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Trichloroethene	ND		6.8	0.89	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Trichlorofluoromethane	ND		6.8	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.8	1.4	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1
Vinyl chloride	ND		6.8	0.63	ug/Kg	☼	07/23/14 03:44	07/23/14 09:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*07/23/14 03:44*	*07/23/14 09:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*63 - 120*	*07/23/14 03:44*	*07/23/14 09:25*	*1*
Dibromofluoromethane (Surr)	*97*		*68 - 121*	*07/23/14 03:44*	*07/23/14 09:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*52 - 124*	*07/23/14 03:44*	*07/23/14 09:25*	*1*
Toluene-d8 (Surr)	*127*		*72 - 127*	*07/23/14 03:44*	*07/23/14 09:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**24**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**76**		0.10	0.10	%			07/23/14 14:56	1

Client Sample ID: SSHS-FB5-B-SUB-1.5

Lab Sample ID: 180-35053-5

Date Collected: 07/21/14 13:35
Date Received: 07/22/14 08:55
Matrix: Solid
Percent Solids: 97.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**6.6**	**J**	19	4.7	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Benzene	ND		4.7	0.63	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Bromoform	ND		4.7	0.41	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Bromomethane	ND		4.7	0.69	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
2-Butanone (MEK)	ND		4.7	0.82	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Carbon disulfide	ND		4.7	0.48	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Carbon tetrachloride	ND		4.7	0.42	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Chlorobenzene	ND		4.7	0.71	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Chlorobromomethane	ND		4.7	0.64	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1

Client Sample ID: SSHS-FB5-B-SUB-1.5 **Lab Sample ID: 180-35053-5**
Date Collected: 07/21/14 13:35 **Matrix: Solid**
Date Received: 07/22/14 08:55 **Percent Solids: 97.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND		4.7	0.66	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Chloroethane	ND		4.7	1.4	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Chloroform	ND		4.7	0.55	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Chloromethane	ND		4.7	0.79	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
cis-1,2-Dichloroethene	ND		4.7	0.66	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
cis-1,3-Dichloropropene	ND		4.7	0.63	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Cyclohexane	ND		4.7	0.35	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
1,2-Dibromo-3-Chloropropane	ND		4.7	0.70	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
1,2-Dibromoethane	ND		4.7	0.80	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
1,2-Dichlorobenzene	ND		4.7	0.74	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
1,3-Dichlorobenzene	ND		4.7	0.61	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
1,4-Dichlorobenzene	ND		4.7	0.59	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Dichlorobromomethane	ND		4.7	0.52	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Dichlorodifluoromethane	ND		4.7	0.62	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
1,1-Dichloroethane	ND		4.7	0.54	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
1,2-Dichloroethane	ND		4.7	0.57	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
1,1-Dichloroethene	ND		4.7	0.79	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
1,2-Dichloropropane	ND		4.7	0.51	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
1,4-Dioxane	ND		930	260	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Ethylbenzene	ND		4.7	0.60	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
2-Hexanone	ND		4.7	0.64	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Isopropylbenzene	ND		4.7	0.63	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Methyl acetate	ND		4.7	0.84	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Methylcyclohexane	ND		4.7	0.68	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Methylene Chloride	**0.70**	**J**	4.7	0.63	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	0.61	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Methyl tert-butyl ether	ND		4.7	0.70	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
m-Xylene & p-Xylene	ND		9.3	1.4	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
o-Xylene	ND		4.7	0.73	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Styrene	ND		4.7	0.66	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.67	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Tetrachloroethene	ND		4.7	0.63	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Toluene	ND		4.7	0.68	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
trans-1,2-Dichloroethene	ND		4.7	0.56	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
trans-1,3-Dichloropropene	ND		4.7	0.56	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
1,2,3-Trichlorobenzene	ND		4.7	0.79	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
1,2,4-Trichlorobenzene	ND		4.7	0.82	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
1,1,1-Trichloroethane	ND		4.7	0.45	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
1,1,2-Trichloroethane	ND		4.7	0.78	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Trichloroethene	**15**		4.7	0.61	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Trichlorofluoromethane	ND		4.7	0.86	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1
Vinyl chloride	ND		4.7	0.44	ug/Kg	☼	07/23/14 03:44	07/23/14 09:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*07/23/14 03:44*	*07/23/14 09:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*63 - 120*	*07/23/14 03:44*	*07/23/14 09:47*	*1*
Dibromofluoromethane (Surr)	*101*		*68 - 121*	*07/23/14 03:44*	*07/23/14 09:47*	*1*

Client Sample ID: SSHS-FB5-B-SUB-1.5 Lab Sample ID: 180-35053-5

Date Collected: 07/21/14 13:35 **Matrix: Solid**

Date Received: 07/22/14 08:55 **Percent Solids: 97.3**

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*52 - 124*	*07/23/14 03:44*	*07/23/14 09:47*	*1*
Toluene-d8 (Surr)	*128*	*X*	*72 - 127*	*07/23/14 03:44*	*07/23/14 09:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**2.7**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**97**		0.10	0.10	%			07/23/14 14:56	1

Client Sample ID: SSHS-FB5-B-SUB-2.5 Lab Sample ID: 180-35053-6

Date Collected: 07/21/14 13:40 **Matrix: Solid**

Date Received: 07/22/14 08:55 **Percent Solids: 84.7**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.4	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Benzene	ND		4.4	0.60	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Bromoform	ND		4.4	0.39	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Bromomethane	ND		4.4	0.65	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
2-Butanone (MEK)	ND		4.4	0.78	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Carbon disulfide	ND		4.4	0.45	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Carbon tetrachloride	ND		4.4	0.39	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Chlorobenzene	ND		4.4	0.67	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Chlorobromomethane	ND		4.4	0.61	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Chlorodibromomethane	ND		4.4	0.63	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Chloroethane	ND		4.4	1.4	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Chloroform	ND		4.4	0.52	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Chloromethane	ND		4.4	0.75	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
cis-1,2-Dichloroethene	ND		4.4	0.62	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
cis-1,3-Dichloropropene	ND		4.4	0.60	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Cyclohexane	ND		4.4	0.33	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
1,2-Dibromo-3-Chloropropane	ND		4.4	0.66	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
1,2-Dibromoethane	ND		4.4	0.76	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
1,2-Dichlorobenzene	ND		4.4	0.70	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
1,3-Dichlorobenzene	ND		4.4	0.58	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
1,4-Dichlorobenzene	ND		4.4	0.56	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Dichlorobromomethane	ND		4.4	0.50	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Dichlorodifluoromethane	ND		4.4	0.59	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
1,1-Dichloroethane	ND		4.4	0.51	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
1,2-Dichloroethane	ND		4.4	0.54	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
1,1-Dichloroethene	ND		4.4	0.75	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
1,2-Dichloropropane	ND		4.4	0.48	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
1,4-Dioxane	ND		880	240	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Ethylbenzene	ND		4.4	0.57	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
2-Hexanone	ND		4.4	0.61	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Isopropylbenzene	ND		4.4	0.60	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Methyl acetate	ND		4.4	0.79	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Methylcyclohexane	ND		4.4	0.64	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Methylene Chloride	ND		4.4	0.59	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
4-Methyl-2-pentanone (MIBK)	ND		4.4	0.58	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1

Client Sample ID: SSHS-FB5-B-SUB-2.5

Lab Sample ID: 180-35053-6
Date Collected: 07/21/14 13:40
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.4	0.66	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
m-Xylene & p-Xylene	ND		8.8	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
o-Xylene	ND		4.4	0.69	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Styrene	ND		4.4	0.62	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
1,1,2,2-Tetrachloroethane	ND		4.4	0.63	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Tetrachloroethene	ND		4.4	0.60	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Toluene	ND		4.4	0.64	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
trans-1,2-Dichloroethene	ND		4.4	0.53	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
trans-1,3-Dichloropropene	ND		4.4	0.53	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
1,2,3-Trichlorobenzene	ND		4.4	0.75	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
1,2,4-Trichlorobenzene	ND		4.4	0.78	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
1,1,1-Trichloroethane	ND		4.4	0.43	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
1,1,2-Trichloroethane	ND		4.4	0.73	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Trichloroethene	**29**		4.4	0.58	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Trichlorofluoromethane	ND		4.4	0.81	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.4	0.94	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1
Vinyl chloride	ND		4.4	0.41	ug/Kg	☼	07/23/14 03:44	07/23/14 10:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*07/23/14 03:44*	*07/23/14 10:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*07/23/14 03:44*	*07/23/14 10:09*	*1*
Dibromofluoromethane (Surr)	*101*		*68 - 121*	*07/23/14 03:44*	*07/23/14 10:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*52 - 124*	*07/23/14 03:44*	*07/23/14 10:09*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*07/23/14 03:44*	*07/23/14 10:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**85**		0.10	0.10	%			07/23/14 14:56	1

Client Sample ID: SSHS-FB5-C-SS

Lab Sample ID: 180-35053-7
Date Collected: 07/21/14 14:30
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 73.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**240**		30	7.5	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Benzene	ND		7.5	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Bromoform	ND		7.5	0.67	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Bromomethane	ND		7.5	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
2-Butanone (MEK)	ND		7.5	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Carbon disulfide	ND		7.5	0.77	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Carbon tetrachloride	ND		7.5	0.67	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Chlorobenzene	ND		7.5	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Chlorobromomethane	ND		7.5	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Chlorodibromomethane	ND		7.5	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Chloroethane	ND		7.5	2.3	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Chloroform	ND		7.5	0.88	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1

Client Sample ID: SSHS-FB5-C-SS **Lab Sample ID: 180-35053-7**

Date Collected: 07/21/14 14:30 **Matrix: Solid**

Date Received: 07/22/14 08:55 **Percent Solids: 73.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		7.5	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
cis-1,2-Dichloroethene	ND		7.5	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
cis-1,3-Dichloropropene	ND		7.5	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Cyclohexane	ND		7.5	0.56	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
1,2-Dibromo-3-Chloropropane	ND		7.5	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
1,2-Dibromoethane	ND		7.5	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
1,2-Dichlorobenzene	ND		7.5	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
1,3-Dichlorobenzene	ND		7.5	0.99	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
1,4-Dichlorobenzene	ND		7.5	0.96	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Dichlorobromomethane	ND		7.5	0.85	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Dichlorodifluoromethane	ND		7.5	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
1,1-Dichloroethane	ND		7.5	0.87	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
1,2-Dichloroethane	ND		7.5	0.93	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
1,1-Dichloroethene	ND		7.5	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
1,2-Dichloropropane	ND		7.5	0.82	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
1,4-Dioxane	ND		1500	420	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Ethylbenzene	ND		7.5	0.97	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
2-Hexanone	ND		7.5	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Isopropylbenzene	ND		7.5	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Methyl acetate	ND		7.5	1.4	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Methylcyclohexane	ND		7.5	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Methylene Chloride	**6.0**	**J**	7.5	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
4-Methyl-2-pentanone (MIBK)	ND		7.5	0.98	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Methyl tert-butyl ether	ND		7.5	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
m-Xylene & p-Xylene	ND		15	2.2	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
o-Xylene	ND		7.5	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Styrene	ND		7.5	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
1,1,2,2-Tetrachloroethane	ND		7.5	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Tetrachloroethene	ND		7.5	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Toluene	ND		7.5	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
trans-1,2-Dichloroethene	ND		7.5	0.90	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
trans-1,3-Dichloropropene	ND		7.5	0.90	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
1,2,3-Trichlorobenzene	ND		7.5	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
1,2,4-Trichlorobenzene	ND		7.5	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
1,1,1-Trichloroethane	ND		7.5	0.73	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
1,1,2-Trichloroethane	ND		7.5	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Trichloroethene	ND		7.5	0.99	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Trichlorofluoromethane	ND		7.5	1.4	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.5	1.6	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1
Vinyl chloride	ND		7.5	0.71	ug/Kg	☼	07/23/14 03:44	07/23/14 10:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*07/23/14 03:44*	*07/23/14 10:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*63 - 120*	*07/23/14 03:44*	*07/23/14 10:31*	*1*
Dibromofluoromethane (Surr)	*96*		*68 - 121*	*07/23/14 03:44*	*07/23/14 10:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*52 - 124*	*07/23/14 03:44*	*07/23/14 10:31*	*1*
Toluene-d8 (Surr)	*109*		*72 - 127*	*07/23/14 03:44*	*07/23/14 10:31*	*1*

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

Client Sample ID: SSHS-FB5-C-SS

Lab Sample ID: 180-35053-7

Date Collected: 07/21/14 14:30

Matrix: Solid

Date Received: 07/22/14 08:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**27**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**73**		0.10	0.10	%			07/23/14 14:56	1

Client Sample ID: SSHS-FB5-C-SUB-1.5

Lab Sample ID: 180-35053-8

Date Collected: 07/21/14 14:35

Matrix: Solid

Date Received: 07/22/14 08:55

Percent Solids: 96.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		23	5.6	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Benzene	ND		5.6	0.76	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Bromoform	ND		5.6	0.50	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Bromomethane	ND		5.6	0.83	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
2-Butanone (MEK)	ND		5.6	0.99	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Carbon disulfide	ND		5.6	0.58	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Carbon tetrachloride	ND		5.6	0.50	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Chlorobenzene	ND		5.6	0.85	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Chlorobromomethane	ND		5.6	0.78	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Chlorodibromomethane	ND		5.6	0.80	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Chloroethane	ND		5.6	1.7	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Chloroform	ND		5.6	0.66	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Chloromethane	ND		5.6	0.96	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
cis-1,2-Dichloroethene	ND		5.6	0.79	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
cis-1,3-Dichloropropene	ND		5.6	0.76	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Cyclohexane	ND		5.6	0.42	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
1,2-Dibromo-3-Chloropropane	ND		5.6	0.84	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
1,2-Dibromoethane	ND		5.6	0.97	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
1,2-Dichlorobenzene	ND		5.6	0.90	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
1,3-Dichlorobenzene	ND		5.6	0.74	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
1,4-Dichlorobenzene	ND		5.6	0.72	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Dichlorobromomethane	ND		5.6	0.63	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Dichlorodifluoromethane	ND		5.6	0.75	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
1,1-Dichloroethane	ND		5.6	0.65	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
1,2-Dichloroethane	ND		5.6	0.69	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
1,1-Dichloroethene	ND		5.6	0.96	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
1,2-Dichloropropane	ND		5.6	0.61	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
1,4-Dioxane	ND		1100	310	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Ethylbenzene	ND		5.6	0.73	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
2-Hexanone	ND		5.6	0.78	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Isopropylbenzene	ND		5.6	0.77	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Methyl acetate	ND		5.6	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Methylcyclohexane	ND		5.6	0.82	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Methylene Chloride	ND		5.6	0.76	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.6	0.74	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Methyl tert-butyl ether	ND		5.6	0.84	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
m-Xylene & p-Xylene	ND		11	1.7	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
o-Xylene	ND		5.6	0.88	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Styrene	ND		5.6	0.80	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
1,1,2,2-Tetrachloroethane	ND		5.6	0.81	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Tetrachloroethene	ND		5.6	0.77	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1

Client Sample Results

Client Sample ID: SSHS-FB5-C-SUB-1.5

Lab Sample ID: 180-35053-8
Date Collected: 07/21/14 14:35
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 96.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		5.6	0.82	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
trans-1,2-Dichloroethene	ND		5.6	0.67	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
trans-1,3-Dichloropropene	ND		5.6	0.67	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
1,2,3-Trichlorobenzene	ND		5.6	0.95	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
1,2,4-Trichlorobenzene	ND		5.6	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
1,1,1-Trichloroethane	ND		5.6	0.55	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
1,1,2-Trichloroethane	ND		5.6	0.94	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Trichloroethene	**190**		5.6	0.74	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Trichlorofluoromethane	ND		5.6	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1
Vinyl chloride	ND		5.6	0.53	ug/Kg	☼	07/23/14 03:44	07/23/14 10:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*07/23/14 03:44*	*07/23/14 10:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*63 - 120*	*07/23/14 03:44*	*07/23/14 10:54*	*1*
Dibromofluoromethane (Surr)	*102*		*68 - 121*	*07/23/14 03:44*	*07/23/14 10:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*52 - 124*	*07/23/14 03:44*	*07/23/14 10:54*	*1*
Toluene-d8 (Surr)	*110*		*72 - 127*	*07/23/14 03:44*	*07/23/14 10:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**3.9**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**96**		0.10	0.10	%			07/23/14 14:56	1

Client Sample ID: SSHS-FB5-C-SUB-2.5

Lab Sample ID: 180-35053-9
Date Collected: 07/21/14 14:40
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 95.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		32	8.1	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Benzene	ND		8.1	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Bromoform	ND		8.1	0.72	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Bromomethane	ND		8.1	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
2-Butanone (MEK)	ND		8.1	1.4	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Carbon disulfide	**6.6**	**J**	8.1	0.83	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Carbon tetrachloride	ND		8.1	0.73	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Chlorobenzene	ND		8.1	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Chlorobromomethane	ND		8.1	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Chlorodibromomethane	ND		8.1	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Chloroethane	ND		8.1	2.5	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Chloroform	ND		8.1	0.95	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Chloromethane	ND		8.1	1.4	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
cis-1,2-Dichloroethene	ND		8.1	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
cis-1,3-Dichloropropene	ND		8.1	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Cyclohexane	ND		8.1	0.60	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
1,2-Dibromo-3-Chloropropane	ND		8.1	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
1,2-Dibromoethane	ND		8.1	1.4	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1

Client Sample Results

Client Sample ID: SSHS-FB5-C-SUB-2.5
Date Collected: 07/21/14 14:40
Date Received: 07/22/14 08:55

Lab Sample ID: 180-35053-9
Matrix: Solid
Percent Solids: 95.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		8.1	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
1,3-Dichlorobenzene	ND		8.1	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
1,4-Dichlorobenzene	ND		8.1	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Dichlorobromomethane	ND		8.1	0.91	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Dichlorodifluoromethane	ND		8.1	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
1,1-Dichloroethane	ND		8.1	0.93	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
1,2-Dichloroethane	ND		8.1	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
1,1-Dichloroethene	ND		8.1	1.4	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
1,2-Dichloropropane	ND		8.1	0.88	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
1,4-Dioxane	ND		1600	450	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Ethylbenzene	ND		8.1	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
2-Hexanone	ND		8.1	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Isopropylbenzene	ND		8.1	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Methyl acetate	ND		8.1	1.5	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Methylcyclohexane	ND		8.1	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Methylene Chloride	ND		8.1	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
4-Methyl-2-pentanone (MIBK)	ND		8.1	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Methyl tert-butyl ether	ND		8.1	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
m-Xylene & p-Xylene	ND		16	2.4	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
o-Xylene	ND		8.1	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Styrene	ND		8.1	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
1,1,2,2-Tetrachloroethane	ND		8.1	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Tetrachloroethene	ND		8.1	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Toluene	ND		8.1	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
trans-1,2-Dichloroethene	ND		8.1	0.97	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
trans-1,3-Dichloropropene	ND		8.1	0.97	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
1,2,3-Trichlorobenzene	ND		8.1	1.4	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
1,2,4-Trichlorobenzene	ND		8.1	1.4	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
1,1,1-Trichloroethane	ND		8.1	0.79	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
1,1,2-Trichloroethane	ND		8.1	1.4	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Trichloroethene	**280**		8.1	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Trichlorofluoromethane	ND		8.1	1.5	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.1	1.7	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1
Vinyl chloride	ND		8.1	0.76	ug/Kg	☼	07/23/14 03:44	07/23/14 11:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*07/23/14 03:44*	*07/23/14 11:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*63 - 120*	*07/23/14 03:44*	*07/23/14 11:16*	*1*
Dibromofluoromethane (Surr)	*103*		*68 - 121*	*07/23/14 03:44*	*07/23/14 11:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*52 - 124*	*07/23/14 03:44*	*07/23/14 11:16*	*1*
Toluene-d8 (Surr)	*105*		*72 - 127*	*07/23/14 03:44*	*07/23/14 11:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.7**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**95**		0.10	0.10	%			07/23/14 14:56	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35053-1

Client Sample ID: SSHS-FB5-D-SS
Date Collected: 07/21/14 12:15
Date Received: 07/22/14 08:55

Lab Sample ID: 180-35053-10
Matrix: Solid
Percent Solids: 72.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	5.9	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Benzene	ND		5.9	0.80	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Bromoform	ND		5.9	0.53	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Bromomethane	ND		5.9	0.88	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
2-Butanone (MEK)	ND		5.9	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Carbon disulfide	ND		5.9	0.61	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Carbon tetrachloride	ND		5.9	0.53	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Chlorobenzene	ND		5.9	0.90	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Chlorobromomethane	ND		5.9	0.82	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Chlorodibromomethane	ND		5.9	0.84	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Chloroethane	ND		5.9	1.8	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Chloroform	ND		5.9	0.70	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Chloromethane	ND		5.9	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
cis-1,2-Dichloroethene	ND		5.9	0.84	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
cis-1,3-Dichloropropene	ND		5.9	0.81	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Cyclohexane	ND		5.9	0.44	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
1,2-Dibromo-3-Chloropropane	ND		5.9	0.89	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
1,2-Dibromoethane	ND		5.9	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
1,2-Dichlorobenzene	ND		5.9	0.95	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
1,3-Dichlorobenzene	ND		5.9	0.78	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
1,4-Dichlorobenzene	ND		5.9	0.76	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Dichlorobromomethane	ND		5.9	0.67	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Dichlorodifluoromethane	ND		5.9	0.79	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
1,1-Dichloroethane	ND		5.9	0.68	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
1,2-Dichloroethane	ND		5.9	0.73	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
1,1-Dichloroethene	ND		5.9	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
1,2-Dichloropropane	ND		5.9	0.65	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
1,4-Dioxane	ND		1200	330	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Ethylbenzene	ND		5.9	0.76	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
2-Hexanone	ND		5.9	0.82	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Isopropylbenzene	ND		5.9	0.81	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Methyl acetate	ND		5.9	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Methylcyclohexane	ND		5.9	0.86	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Methylene Chloride	ND		5.9	0.80	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.9	0.78	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Methyl tert-butyl ether	ND		5.9	0.89	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
m-Xylene & p-Xylene	ND		12	1.7	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
o-Xylene	ND		5.9	0.93	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Styrene	ND		5.9	0.84	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
1,1,2,2-Tetrachloroethane	ND		5.9	0.85	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Tetrachloroethene	ND		5.9	0.81	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Toluene	ND		5.9	0.87	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
trans-1,2-Dichloroethene	ND		5.9	0.71	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
trans-1,3-Dichloropropene	ND		5.9	0.71	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
1,2,3-Trichlorobenzene	ND		5.9	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
1,2,4-Trichlorobenzene	ND		5.9	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
1,1,1-Trichloroethane	ND		5.9	0.58	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
1,1,2-Trichloroethane	ND		5.9	0.99	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Trichloroethene	ND		5.9	0.78	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1

Client Sample Results

Client Sample ID: SSHS-FB5-D-SS

Lab Sample ID: 180-35053-10

Date Collected: 07/21/14 12:15
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 72.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		5.9	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1
Vinyl chloride	ND		5.9	0.56	ug/Kg	☼	07/23/14 03:44	07/23/14 11:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*07/23/14 03:44*	*07/23/14 11:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*07/23/14 03:44*	*07/23/14 11:38*	*1*
Dibromofluoromethane (Surr)	*103*		*68 - 121*	*07/23/14 03:44*	*07/23/14 11:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*52 - 124*	*07/23/14 03:44*	*07/23/14 11:38*	*1*
Toluene-d8 (Surr)	*107*		*72 - 127*	*07/23/14 03:44*	*07/23/14 11:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**28**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**72**		0.10	0.10	%			07/23/14 14:56	1

Client Sample ID: SSHS-FB5-D-SUB-1.5

Lab Sample ID: 180-35053-11

Date Collected: 07/21/14 12:20
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 90.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		15	3.7	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Benzene	ND		3.7	0.50	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Bromoform	ND		3.7	0.33	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Bromomethane	ND		3.7	0.54	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
2-Butanone (MEK)	ND		3.7	0.65	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Carbon disulfide	**0.65**	**J**	3.7	0.38	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Carbon tetrachloride	ND		3.7	0.33	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Chlorobenzene	ND		3.7	0.56	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Chlorobromomethane	ND		3.7	0.51	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Chlorodibromomethane	ND		3.7	0.52	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Chloroethane	ND		3.7	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Chloroform	ND		3.7	0.43	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Chloromethane	ND		3.7	0.63	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
cis-1,2-Dichloroethene	ND		3.7	0.52	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
cis-1,3-Dichloropropene	ND		3.7	0.50	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Cyclohexane	ND		3.7	0.27	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
1,2-Dibromo-3-Chloropropane	ND		3.7	0.55	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
1,2-Dibromoethane	ND		3.7	0.64	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
1,2-Dichlorobenzene	ND		3.7	0.59	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
1,3-Dichlorobenzene	ND		3.7	0.48	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
1,4-Dichlorobenzene	ND		3.7	0.47	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Dichlorobromomethane	ND		3.7	0.41	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Dichlorodifluoromethane	ND		3.7	0.49	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
1,1-Dichloroethane	ND		3.7	0.42	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
1,2-Dichloroethane	ND		3.7	0.45	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
1,1-Dichloroethene	ND		3.7	0.62	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1

Client Sample Results

Client Sample ID: SSHS-FB5-D-SUB-1.5

Lab Sample ID: 180-35053-11

Date Collected: 07/21/14 12:20
Date Received: 07/22/14 08:55

Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		3.7	0.40	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
1,4-Dioxane	ND		740	200	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Ethylbenzene	ND		3.7	0.47	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
2-Hexanone	ND		3.7	0.51	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Isopropylbenzene	ND		3.7	0.50	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Methyl acetate	ND		3.7	0.66	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Methylcyclohexane	ND		3.7	0.53	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Methylene Chloride	ND		3.7	0.49	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
4-Methyl-2-pentanone (MIBK)	ND		3.7	0.48	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Methyl tert-butyl ether	ND		3.7	0.55	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
m-Xylene & p-Xylene	ND		7.4	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
o-Xylene	ND		3.7	0.57	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Styrene	ND		3.7	0.52	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
1,1,2,2-Tetrachloroethane	ND		3.7	0.53	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Tetrachloroethene	ND		3.7	0.50	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Toluene	ND		3.7	0.54	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
trans-1,2-Dichloroethene	ND		3.7	0.44	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
trans-1,3-Dichloropropene	ND		3.7	0.44	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
1,2,3-Trichlorobenzene	ND		3.7	0.62	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
1,2,4-Trichlorobenzene	ND		3.7	0.65	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
1,1,1-Trichloroethane	ND		3.7	0.36	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
1,1,2-Trichloroethane	ND		3.7	0.61	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Trichloroethene	**69**		3.7	0.48	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Trichlorofluoromethane	ND		3.7	0.68	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.7	0.79	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1
Vinyl chloride	ND		3.7	0.35	ug/Kg	☼	07/23/14 03:44	07/23/14 12:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*07/23/14 03:44*	*07/23/14 12:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*63 - 120*	*07/23/14 03:44*	*07/23/14 12:00*	*1*
Dibromofluoromethane (Surr)	*110*		*68 - 121*	*07/23/14 03:44*	*07/23/14 12:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*52 - 124*	*07/23/14 03:44*	*07/23/14 12:00*	*1*
Toluene-d8 (Surr)	*114*		*72 - 127*	*07/23/14 03:44*	*07/23/14 12:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.3**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**91**		0.10	0.10	%			07/23/14 14:56	1

Client Sample ID: SSHS-FB5-D-SUB-2.5

Lab Sample ID: 180-35053-12

Date Collected: 07/21/14 12:25
Date Received: 07/22/14 08:55

Matrix: Solid
Percent Solids: 81.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	6.1	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Benzene	ND		6.1	0.82	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Bromoform	ND		6.1	0.54	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35053-1

Client Sample ID: SSHS-FB5-D-SUB-2.5
Date Collected: 07/21/14 12:25
Date Received: 07/22/14 08:55

Lab Sample ID: 180-35053-12
Matrix: Solid
Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		6.1	0.90	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
2-Butanone (MEK)	ND		6.1	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Carbon disulfide	ND		6.1	0.63	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Carbon tetrachloride	ND		6.1	0.55	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Chlorobenzene	ND		6.1	0.93	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Chlorobromomethane	ND		6.1	0.84	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Chlorodibromomethane	ND		6.1	0.87	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Chloroethane	ND		6.1	1.9	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Chloroform	ND		6.1	0.71	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Chloromethane	ND		6.1	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
cis-1,2-Dichloroethene	ND		6.1	0.86	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
cis-1,3-Dichloropropene	ND		6.1	0.83	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Cyclohexane	ND		6.1	0.45	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
1,2-Dibromo-3-Chloropropane	ND		6.1	0.91	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
1,2-Dibromoethane	ND		6.1	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
1,2-Dichlorobenzene	ND		6.1	0.97	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
1,3-Dichlorobenzene	ND		6.1	0.80	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
1,4-Dichlorobenzene	ND		6.1	0.78	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Dichlorobromomethane	ND		6.1	0.69	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Dichlorodifluoromethane	ND		6.1	0.81	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
1,1-Dichloroethane	ND		6.1	0.70	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
1,2-Dichloroethane	ND		6.1	0.75	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
1,1-Dichloroethene	ND		6.1	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
1,2-Dichloropropane	ND		6.1	0.66	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
1,4-Dioxane	ND		1200	340	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Ethylbenzene	ND		6.1	0.79	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
2-Hexanone	ND		6.1	0.84	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Isopropylbenzene	ND		6.1	0.83	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Methyl acetate	ND		6.1	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Methylcyclohexane	ND		6.1	0.89	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Methylene Chloride	ND		6.1	0.82	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
4-Methyl-2-pentanone (MIBK)	ND		6.1	0.80	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Methyl tert-butyl ether	ND		6.1	0.91	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
m-Xylene & p-Xylene	ND		12	1.8	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
o-Xylene	ND		6.1	0.95	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Styrene	ND		6.1	0.86	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
1,1,2,2-Tetrachloroethane	ND		6.1	0.88	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Tetrachloroethene	ND		6.1	0.83	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Toluene	ND		6.1	0.89	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
trans-1,2-Dichloroethene	ND		6.1	0.73	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
trans-1,3-Dichloropropene	ND		6.1	0.73	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
1,2,3-Trichlorobenzene	ND		6.1	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
1,2,4-Trichlorobenzene	ND		6.1	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
1,1,1-Trichloroethane	ND		6.1	0.59	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
1,1,2-Trichloroethane	ND		6.1	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Trichloroethene	**200**		6.1	0.80	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Trichlorofluoromethane	ND		6.1	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.1	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1
Vinyl chloride	ND		6.1	0.57	ug/Kg	☼	07/23/14 03:44	07/23/14 12:22	1

Client Sample ID: SSHS-FB5-D-SUB-2.5
Lab Sample ID: 180-35053-12
Date Collected: 07/21/14 12:25
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 81.3

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*07/23/14 03:44*	*07/23/14 12:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*63 - 120*	*07/23/14 03:44*	*07/23/14 12:22*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*07/23/14 03:44*	*07/23/14 12:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*52 - 124*	*07/23/14 03:44*	*07/23/14 12:22*	*1*
Toluene-d8 (Surr)	*110*		*72 - 127*	*07/23/14 03:44*	*07/23/14 12:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**19**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**81**		0.10	0.10	%			07/23/14 14:56	1

Client Sample ID: SSHS-FB5-E-SS
Lab Sample ID: 180-35053-13
Date Collected: 07/21/14 13:00
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 72.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		23	5.6	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Benzene	ND		5.6	0.76	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Bromoform	ND		5.6	0.50	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Bromomethane	ND		5.6	0.83	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
2-Butanone (MEK)	ND		5.6	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Carbon disulfide	ND		5.6	0.58	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Carbon tetrachloride	ND		5.6	0.50	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Chlorobenzene	ND		5.6	0.86	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Chlorobromomethane	ND		5.6	0.78	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Chlorodibromomethane	ND		5.6	0.80	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Chloroethane	ND		5.6	1.8	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Chloroform	ND		5.6	0.66	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Chloromethane	ND		5.6	0.96	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
cis-1,2-Dichloroethene	ND		5.6	0.79	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
cis-1,3-Dichloropropene	ND		5.6	0.77	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Cyclohexane	ND		5.6	0.42	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
1,2-Dibromo-3-Chloropropane	ND		5.6	0.85	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
1,2-Dibromoethane	ND		5.6	0.97	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
1,2-Dichlorobenzene	ND		5.6	0.90	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
1,3-Dichlorobenzene	ND		5.6	0.74	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
1,4-Dichlorobenzene	ND		5.6	0.72	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Dichlorobromomethane	ND		5.6	0.63	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Dichlorodifluoromethane	ND		5.6	0.75	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
1,1-Dichloroethane	ND		5.6	0.65	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
1,2-Dichloroethane	ND		5.6	0.69	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
1,1-Dichloroethene	ND		5.6	0.96	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
1,2-Dichloropropane	ND		5.6	0.61	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
1,4-Dioxane	ND		1100	310	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Ethylbenzene	ND		5.6	0.73	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
2-Hexanone	ND		5.6	0.78	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Isopropylbenzene	ND		5.6	0.77	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Methyl acetate	ND		5.6	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1

Client Sample ID: SSHS-FB5-E-SS

Lab Sample ID: 180-35053-13
Date Collected: 07/21/14 13:00
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 72.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		5.6	0.82	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Methylene Chloride	ND		5.6	0.76	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.6	0.74	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Methyl tert-butyl ether	ND		5.6	0.84	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
m-Xylene & p-Xylene	ND		11	1.7	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
o-Xylene	ND		5.6	0.88	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Styrene	ND		5.6	0.80	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
1,1,2,2-Tetrachloroethane	ND		5.6	0.81	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Tetrachloroethene	ND		5.6	0.77	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Toluene	ND		5.6	0.82	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
trans-1,2-Dichloroethene	ND		5.6	0.67	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
trans-1,3-Dichloropropene	ND		5.6	0.68	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
1,2,3-Trichlorobenzene	ND		5.6	0.95	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
1,2,4-Trichlorobenzene	ND		5.6	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
1,1,1-Trichloroethane	ND		5.6	0.55	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
1,1,2-Trichloroethane	ND		5.6	0.94	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Trichloroethene	ND		5.6	0.74	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Trichlorofluoromethane	ND		5.6	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1
Vinyl chloride	ND		5.6	0.53	ug/Kg	☼	07/23/14 03:44	07/23/14 12:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*07/23/14 03:44*	*07/23/14 12:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*07/23/14 03:44*	*07/23/14 12:44*	*1*
Dibromofluoromethane (Surr)	*103*		*68 - 121*	*07/23/14 03:44*	*07/23/14 12:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*	*07/23/14 03:44*	*07/23/14 12:44*	*1*
Toluene-d8 (Surr)	*108*		*72 - 127*	*07/23/14 03:44*	*07/23/14 12:44*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**28**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**72**		0.10	0.10	%			07/23/14 14:56	1

Client Sample ID: SSHS-FB5-E-SUB-1.5

Lab Sample ID: 180-35053-14
Date Collected: 07/21/14 13:05
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 93.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Benzene	ND		5.0	0.67	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Bromoform	ND		5.0	0.44	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Bromomethane	ND		5.0	0.74	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Carbon disulfide	ND		5.0	0.51	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Carbon tetrachloride	ND		5.0	0.44	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Chlorobenzene	ND		5.0	0.75	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1

Client Sample ID: SSHS-FB5-E-SUB-1.5
Lab Sample ID: 180-35053-14
Date Collected: 07/21/14 13:05
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 93.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND		5.0	0.71	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Chloroethane	ND		5.0	1.5	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Chloroform	ND		5.0	0.58	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Chloromethane	ND		5.0	0.85	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
cis-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Cyclohexane	ND		5.0	0.37	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
1,2-Dichlorobenzene	ND		5.0	0.79	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
1,3-Dichlorobenzene	ND		5.0	0.65	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
1,4-Dichlorobenzene	ND		5.0	0.63	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Dichlorodifluoromethane	ND		5.0	0.66	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
1,1-Dichloroethane	ND		5.0	0.57	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
1,1-Dichloroethene	ND		5.0	0.84	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
1,4-Dioxane	ND		1000	280	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Ethylbenzene	ND		5.0	0.64	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
2-Hexanone	ND		5.0	0.69	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Methyl acetate	ND		5.0	0.90	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Methylcyclohexane	ND		5.0	0.72	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Methylene Chloride	ND		5.0	0.67	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Methyl tert-butyl ether	ND		5.0	0.74	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
o-Xylene	ND		5.0	0.78	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Styrene	ND		5.0	0.70	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Toluene	ND		5.0	0.73	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
1,1,1-Trichloroethane	ND		5.0	0.48	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Trichloroethene	**2.8**	**J**	5.0	0.65	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Trichlorofluoromethane	ND		5.0	0.91	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1
Vinyl chloride	ND		5.0	0.47	ug/Kg	☼	07/23/14 03:44	07/23/14 13:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*07/23/14 03:44*	*07/23/14 13:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*63 - 120*	*07/23/14 03:44*	*07/23/14 13:06*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*07/23/14 03:44*	*07/23/14 13:06*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35053-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-FB5-E-SUB-1.5

Lab Sample ID: 180-35053-14
Date Collected: 07/21/14 13:05
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 93.7

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*52 - 124*	*07/23/14 03:44*	*07/23/14 13:06*	*1*
Toluene-d8 (Surr)	*119*		*72 - 127*	*07/23/14 03:44*	*07/23/14 13:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.3**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**94**		0.10	0.10	%			07/23/14 14:56	1

Client Sample ID: SSHS-FB5-E-SUB-2.5

Lab Sample ID: 180-35053-15
Date Collected: 07/21/14 13:10
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 95.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.5	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Benzene	ND		4.5	0.61	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Bromoform	ND		4.5	0.40	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Bromomethane	ND		4.5	0.67	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
2-Butanone (MEK)	ND		4.5	0.80	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Carbon disulfide	**1.6**	**J**	4.5	0.46	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Carbon tetrachloride	ND		4.5	0.40	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Chlorobenzene	ND		4.5	0.68	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Chlorobromomethane	ND		4.5	0.62	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Chlorodibromomethane	ND		4.5	0.64	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Chloroethane	ND		4.5	1.4	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Chloroform	ND		4.5	0.53	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Chloromethane	ND		4.5	0.77	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
cis-1,2-Dichloroethene	ND		4.5	0.64	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
cis-1,3-Dichloropropene	ND		4.5	0.61	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Cyclohexane	ND		4.5	0.34	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
1,2-Dibromo-3-Chloropropane	ND		4.5	0.68	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
1,2-Dibromoethane	ND		4.5	0.78	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
1,2-Dichlorobenzene	ND		4.5	0.72	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
1,3-Dichlorobenzene	ND		4.5	0.59	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
1,4-Dichlorobenzene	ND		4.5	0.58	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Dichlorobromomethane	ND		4.5	0.51	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Dichlorodifluoromethane	ND		4.5	0.60	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
1,1-Dichloroethane	ND		4.5	0.52	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
1,2-Dichloroethane	ND		4.5	0.55	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
1,1-Dichloroethene	ND		4.5	0.77	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
1,2-Dichloropropane	ND		4.5	0.49	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
1,4-Dioxane	ND		900	250	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Ethylbenzene	ND		4.5	0.58	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
2-Hexanone	ND		4.5	0.62	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Isopropylbenzene	ND		4.5	0.61	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Methyl acetate	ND		4.5	0.82	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Methylcyclohexane	ND		4.5	0.66	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Methylene Chloride	ND		4.5	0.61	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
4-Methyl-2-pentanone (MIBK)	ND		4.5	0.59	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1

Client Sample ID: SSHS-FB5-E-SUB-2.5

Lab Sample ID: 180-35053-15

Date Collected: 07/21/14 13:10
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 95.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.5	0.68	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
m-Xylene & p-Xylene	ND		9.0	1.3	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
o-Xylene	ND		4.5	0.70	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Styrene	ND		4.5	0.64	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
1,1,2,2-Tetrachloroethane	ND		4.5	0.65	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Tetrachloroethene	ND		4.5	0.62	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Toluene	ND		4.5	0.66	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
trans-1,2-Dichloroethene	ND		4.5	0.54	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
1,2,3-Trichlorobenzene	ND		4.5	0.76	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
1,2,4-Trichlorobenzene	ND		4.5	0.80	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
1,1,1-Trichloroethane	ND		4.5	0.44	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
1,1,2-Trichloroethane	ND		4.5	0.75	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Trichloroethene	**1.5**	**J**	4.5	0.59	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Trichlorofluoromethane	ND		4.5	0.83	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	0.97	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1
Vinyl chloride	ND		4.5	0.42	ug/Kg	☼	07/24/14 04:02	07/24/14 08:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*07/24/14 04:02*	*07/24/14 08:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*63 - 120*	*07/24/14 04:02*	*07/24/14 08:59*	*1*
Dibromofluoromethane (Surr)	*102*		*68 - 121*	*07/24/14 04:02*	*07/24/14 08:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*52 - 124*	*07/24/14 04:02*	*07/24/14 08:59*	*1*
Toluene-d8 (Surr)	*104*		*72 - 127*	*07/24/14 04:02*	*07/24/14 08:59*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.2**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**96**		0.10	0.10	%			07/23/14 14:56	1

Client Sample ID: SSHS-FB5-DUP1

Lab Sample ID: 180-35053-16

Date Collected: 07/21/14 00:00
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 84.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		35	8.6	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Benzene	ND		8.6	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Bromoform	ND		8.6	0.76	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Bromomethane	ND		8.6	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
2-Butanone (MEK)	ND		8.6	1.5	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Carbon disulfide	ND		8.6	0.88	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Carbon tetrachloride	ND		8.6	0.77	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Chlorobenzene	ND		8.6	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Chlorobromomethane	ND		8.6	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Chlorodibromomethane	ND		8.6	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Chloroethane	ND		8.6	2.7	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Chloroform	ND		8.6	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1

Client Sample ID: SSHS-FB5-DUP1
Lab Sample ID: 180-35053-16
Date Collected: 07/21/14 00:00
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		8.6	1.5	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
cis-1,2-Dichloroethene	ND		8.6	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
cis-1,3-Dichloropropene	ND		8.6	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Cyclohexane	ND		8.6	0.64	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
1,2-Dibromo-3-Chloropropane	ND		8.6	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
1,2-Dibromoethane	ND		8.6	1.5	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
1,2-Dichlorobenzene	ND		8.6	1.4	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
1,3-Dichlorobenzene	ND		8.6	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
1,4-Dichlorobenzene	ND		8.6	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Dichlorobromomethane	ND		8.6	0.97	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Dichlorodifluoromethane	ND		8.6	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
1,1-Dichloroethane	ND		8.6	0.99	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
1,2-Dichloroethane	ND		8.6	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
1,1-Dichloroethene	ND		8.6	1.5	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
1,2-Dichloropropane	ND		8.6	0.94	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
1,4-Dioxane	ND		1700	480	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Ethylbenzene	ND		8.6	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
2-Hexanone	ND		8.6	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Isopropylbenzene	ND		8.6	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Methyl acetate	ND		8.6	1.6	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Methylcyclohexane	ND		8.6	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Methylene Chloride	ND		8.6	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
4-Methyl-2-pentanone (MIBK)	ND		8.6	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Methyl tert-butyl ether	ND		8.6	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
m-Xylene & p-Xylene	ND		17	2.5	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
o-Xylene	ND		8.6	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Styrene	ND		8.6	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
1,1,2,2-Tetrachloroethane	ND		8.6	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Tetrachloroethene	ND		8.6	1.2	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Toluene	ND		8.6	1.3	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
trans-1,2-Dichloroethene	ND		8.6	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
trans-1,3-Dichloropropene	ND		8.6	1.0	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
1,2,3-Trichlorobenzene	ND		8.6	1.5	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
1,2,4-Trichlorobenzene	ND		8.6	1.5	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
1,1,1-Trichloroethane	ND		8.6	0.84	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
1,1,2-Trichloroethane	ND		8.6	1.4	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Trichloroethene	**5.2**	**J**	8.6	1.1	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Trichlorofluoromethane	ND		8.6	1.6	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.6	1.8	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1
Vinyl chloride	ND		8.6	0.81	ug/Kg	☼	07/23/14 03:44	07/23/14 13:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*07/23/14 03:44*	*07/23/14 13:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*63 - 120*	*07/23/14 03:44*	*07/23/14 13:28*	*1*
Dibromofluoromethane (Surr)	*115*		*68 - 121*	*07/23/14 03:44*	*07/23/14 13:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*52 - 124*	*07/23/14 03:44*	*07/23/14 13:28*	*1*
Toluene-d8 (Surr)	*118*		*72 - 127*	*07/23/14 03:44*	*07/23/14 13:28*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35053-1

Client Sample ID: SSHS-FB5-DUP1

Lab Sample ID: 180-35053-16
Date Collected: 07/21/14 00:00
Matrix: Solid
Date Received: 07/22/14 08:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**84**		0.10	0.10	%			07/23/14 14:56	1

Client Sample ID: SSHS-B47-A-SS

Lab Sample ID: 180-35053-17
Date Collected: 07/21/14 14:05
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**15**		15	1.5	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Acenaphthylene	**370**		15	1.7	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Acetophenone	**8.5**	**J**	75	6.2	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Anthracene	**290**		15	1.5	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Atrazine	ND		75	7.4	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Benzaldehyde	ND		75	11	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Benzo[a]anthracene	**900**		15	1.9	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Benzo[a]pyrene	**840**		15	1.5	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Benzo[b]fluoranthene	**1100**		15	2.4	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Benzo[g,h,i]perylene	**820**		15	1.5	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Benzo[k]fluoranthene	**480**		15	3.1	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
1,1'-Biphenyl	ND		75	6.7	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Bis(2-chloroethoxy)methane	ND		75	5.0	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Bis(2-chloroethyl)ether	ND		15	2.0	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Bis(2-ethylhexyl) phthalate	**35**	**J**	150	12	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
4-Bromophenyl phenyl ether	ND		75	6.6	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Butyl benzyl phthalate	**38**	**J**	75	10	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Caprolactam	ND		390	57	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Carbazole	**56**		15	1.4	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
4-Chloroaniline	ND		75	6.1	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
4-Chloro-3-methylphenol	ND		75	7.0	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
2-Chloronaphthalene	ND		15	1.6	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
2-Chlorophenol	ND		75	6.2	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
4-Chlorophenyl phenyl ether	ND		75	8.4	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Chrysene	**1100**		15	1.8	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Dibenz(a,h)anthracene	**220**		15	1.7	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Dibenzofuran	**18**	**J**	75	7.4	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
3,3'-Dichlorobenzidine	ND		75	8.0	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
2,4-Dichlorophenol	ND		15	1.5	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Diethyl phthalate	ND		75	8.3	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
2,4-Dimethylphenol	ND		75	12	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Dimethyl phthalate	ND		75	8.2	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Di-n-butyl phthalate	**13**	**J**	75	9.5	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
4,6-Dinitro-2-methylphenol	ND		390	30	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
2,4-Dinitrophenol	ND		390	90	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
2,4-Dinitrotoluene	ND		75	6.1	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
2,6-Dinitrotoluene	ND		75	7.8	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Di-n-octyl phthalate	ND		75	8.0	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Fluoranthene	**1500**		15	1.6	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Fluorene	**44**		15	2.0	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Hexachlorobenzene	ND		15	1.6	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35053-1

Client Sample ID: SSHS-B47-A-SS
Date Collected: 07/21/14 14:05
Date Received: 07/22/14 08:55

Lab Sample ID: 180-35053-17
Matrix: Solid
Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		15	1.7	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Hexachlorocyclopentadiene	ND		75	8.2	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Hexachloroethane	ND		75	5.4	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Indeno[1,2,3-cd]pyrene	**700**		15	1.6	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Isophorone	ND		75	5.7	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
2-Methylnaphthalene	**32**		15	1.4	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
2-Methylphenol	ND		75	5.3	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Methylphenol, 3 & 4	ND		75	7.4	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Naphthalene	**49**		15	1.3	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
2-Nitroaniline	ND		390	34	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
3-Nitroaniline	ND		390	31	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
4-Nitroaniline	ND		390	31	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Nitrobenzene	ND		150	6.3	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
2-Nitrophenol	ND		75	8.3	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
4-Nitrophenol	ND		390	28	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
N-Nitrosodi-n-propylamine	ND		15	1.8	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
N-Nitrosodiphenylamine	ND		75	7.0	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
2,2'-oxybis[1-chloropropane]	ND		15	1.6	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Pentachlorophenol	ND		75	6.8	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Phenanthrene	**480**		15	2.4	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Phenol	ND		15	1.8	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
Pyrene	**1300**		15	1.5	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
1,2,4,5-Tetrachlorobenzene	ND		75	5.7	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
2,3,4,6-Tetrachlorophenol	ND		75	4.9	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
2,4,5-Trichlorophenol	ND		75	8.1	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2
2,4,6-Trichlorophenol	ND		75	11	ug/Kg	☼	07/25/14 03:00	07/25/14 11:54	2

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown PAH	*180*	*T J*	*ug/Kg*	☼	*11.14*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown PAH	*200*	*T J*	*ug/Kg*	☼	*11.17*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*440*	*T J*	*ug/Kg*	☼	*11.27*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*170*	*T J*	*ug/Kg*	☼	*11.50*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*260*	*T J*	*ug/Kg*	☼	*11.77*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*340*	*T J*	*ug/Kg*	☼	*11.89*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*230*	*T J*	*ug/Kg*	☼	*12.12*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown PAH	*140*	*T J*	*ug/Kg*	☼	*12.76*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown Straight Chain Alkane	*140*	*T J*	*ug/Kg*	☼	*15.27*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*180*	*T J*	*ug/Kg*	☼	*15.97*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*340*	*T J*	*ug/Kg*	☼	*16.13*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*2900*	*T J*	*ug/Kg*	☼	*16.28*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown Straight Chain Alkane	*870*	*T J*	*ug/Kg*	☼	*16.70*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*2900*	*T J*	*ug/Kg*	☼	*16.74*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*240*	*T J*	*ug/Kg*	☼	*16.86*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown PAH	*910*	*T J*	*ug/Kg*	☼	*17.04*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown PAH	*220*	*T J*	*ug/Kg*	☼	*17.33*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*280*	*T J*	*ug/Kg*	☼	*17.59*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*17.78*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown Straight Chain Alkane	*1500*	*T J*	*ug/Kg*	☼	*18.17*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*18.24*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*320*	*T J*	*ug/Kg*	☼	*18.35*		*07/25/14 03:00*	*07/25/14 11:54*	*2*

Client Sample Results

Client Sample ID: SSHS-B47-A-SS

Lab Sample ID: 180-35053-17
Date Collected: 07/21/14 14:05
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 87.6

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

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*160*	*T J*	*ug/Kg*	☼	*18.53*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*140*	*T J*	*ug/Kg*	☼	*18.92*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*160*	*T J*	*ug/Kg*	☼	*19.08*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*1300*	*T J*	*ug/Kg*	☼	*19.33*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown Straight Chain Alkane	*530*	*T J*	*ug/Kg*	☼	*19.75*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*300*	*T J*	*ug/Kg*	☼	*19.91*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*350*	*T J*	*ug/Kg*	☼	*20.00*		*07/25/14 03:00*	*07/25/14 11:54*	*2*
Unknown	*320*	*T J*	*ug/Kg*	☼	*20.43*		*07/25/14 03:00*	*07/25/14 11:54*	*2*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*28 - 108*	*07/25/14 03:00*	*07/25/14 11:54*	*2*
2-Fluorophenol (Surr)	*54*		*28 - 107*	*07/25/14 03:00*	*07/25/14 11:54*	*2*
Nitrobenzene-d5 (Surr)	*75*		*27 - 110*	*07/25/14 03:00*	*07/25/14 11:54*	*2*
Phenol-d5 (Surr)	*60*		*30 - 112*	*07/25/14 03:00*	*07/25/14 11:54*	*2*
Terphenyl-d14 (Surr)	*61*		*21 - 130*	*07/25/14 03:00*	*07/25/14 11:54*	*2*
2,4,6-Tribromophenol (Surr)	*64*		*21 - 116*	*07/25/14 03:00*	*07/25/14 11:54*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10	0.10	%			07/23/14 14:59	1
Percent Solids	**88**		0.10	0.10	%			07/23/14 14:59	1

Client Sample ID: SSHS-SS14-A-SS

Lab Sample ID: 180-35053-18
Date Collected: 07/21/14 12:05
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 93.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8200**		21	2.2	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Antimony	ND		1.1	0.21	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Arsenic	**6.4**		1.1	0.33	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Barium	**94**		21	0.014	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Beryllium	**0.43**		0.43	0.012	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Cadmium	**0.027**	**J**	0.53	0.015	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Calcium	**4500**	**B**	530	1.6	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Chromium	**11**		0.53	0.082	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Cobalt	**7.9**		5.3	0.045	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Copper	**13**		2.7	0.15	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Iron	**17000**		11	0.95	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Lead	**15**		1.1	0.11	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Magnesium	**3500**		530	2.2	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Manganese	**440**		1.6	0.095	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Nickel	**18**		4.3	0.051	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Potassium	**710**		530	6.8	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Selenium	**0.33**	**J**	1.1	0.29	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Silver	ND		0.53	0.043	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Sodium	**36**	**J**	530	1.1	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Thallium	ND		2.1	0.16	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Vanadium	**12**		5.3	0.19	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1
Zinc	**55**	**B**	2.1	0.11	mg/Kg	☼	07/24/14 10:44	07/25/14 08:16	1

Client Sample Results

Client Sample ID: SSHS-SS14-A-SS

Lab Sample ID: 180-35053-18

Date Collected: 07/21/14 12:05
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 93.8

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.20**		0.033	0.011	mg/Kg	☼	07/24/14 09:36	07/24/14 14:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.2**		0.10	0.10	%			07/23/14 14:59	1
Percent Solids	**94**		0.10	0.10	%			07/23/14 14:59	1

Client Sample ID: SSHS-B34-A-SS

Lab Sample ID: 180-35053-19

Date Collected: 07/21/14 13:05
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 89.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.4	1.4	ug/Kg	☼	07/25/14 03:30	07/25/14 23:00	10
PCB-1221	ND		9.4	1.8	ug/Kg	☼	07/25/14 03:30	07/25/14 23:00	10
PCB-1232	ND		9.4	1.6	ug/Kg	☼	07/25/14 03:30	07/25/14 23:00	10
PCB-1242	ND		9.4	1.5	ug/Kg	☼	07/25/14 03:30	07/25/14 23:00	10
PCB-1248	**71**		9.4	0.88	ug/Kg	☼	07/25/14 03:30	07/25/14 23:00	10
PCB-1254	**58**		9.4	1.3	ug/Kg	☼	07/25/14 03:30	07/25/14 23:00	10
PCB-1260	ND		9.4	1.3	ug/Kg	☼	07/25/14 03:30	07/25/14 23:00	10
PCB-1262	**29**		9.4	2.0	ug/Kg	☼	07/25/14 03:30	07/25/14 23:00	10
PCB-1268	ND		9.4	1.2	ug/Kg	☼	07/25/14 03:30	07/25/14 23:00	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*20 - 150*	*07/25/14 03:30*	*07/25/14 23:00*	*10*
Tetrachloro-m-xylene (Surr)	*76*		*30 - 150*	*07/25/14 03:30*	*07/25/14 23:00*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			07/23/14 14:59	1
Percent Solids	**89**		0.10	0.10	%			07/23/14 14:59	1

Client Sample ID: SSHS-B46-A-SS

Lab Sample ID: 180-35053-20

Date Collected: 07/21/14 14:15
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 83.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.9	1.5	ug/Kg	☼	07/25/14 03:30	07/25/14 23:32	10
PCB-1221	ND		9.9	1.9	ug/Kg	☼	07/25/14 03:30	07/25/14 23:32	10
PCB-1232	ND		9.9	1.7	ug/Kg	☼	07/25/14 03:30	07/25/14 23:32	10
PCB-1242	ND		9.9	1.6	ug/Kg	☼	07/25/14 03:30	07/25/14 23:32	10
PCB-1248	**100**		9.9	0.94	ug/Kg	☼	07/25/14 03:30	07/25/14 23:32	10
PCB-1254	**77**		9.9	1.4	ug/Kg	☼	07/25/14 03:30	07/25/14 23:32	10
PCB-1260	ND		9.9	1.4	ug/Kg	☼	07/25/14 03:30	07/25/14 23:32	10
PCB-1262	ND		9.9	2.2	ug/Kg	☼	07/25/14 03:30	07/25/14 23:32	10
PCB-1268	ND		9.9	1.3	ug/Kg	☼	07/25/14 03:30	07/25/14 23:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*20 - 150*	*07/25/14 03:30*	*07/25/14 23:32*	*10*
Tetrachloro-m-xylene (Surr)	*57*		*30 - 150*	*07/25/14 03:30*	*07/25/14 23:32*	*10*

Client Sample ID: SSHS-B46-A-SS

Lab Sample ID: 180-35053-20

Date Collected: 07/21/14 14:15

Matrix: Solid

Date Received: 07/22/14 08:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16**		0.10	0.10	%			07/23/14 14:59	1
Percent Solids	**84**		0.10	0.10	%			07/23/14 14:59	1

Client Sample ID: SSHS-B32-A-SS

Lab Sample ID: 180-35053-21

Date Collected: 07/21/14 12:20

Matrix: Solid

Date Received: 07/22/14 08:55

Percent Solids: 92.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		8.9	1.3	ug/Kg	☼	07/25/14 03:30	07/26/14 00:04	10
PCB-1221	ND		8.9	1.7	ug/Kg	☼	07/25/14 03:30	07/26/14 00:04	10
PCB-1232	ND		8.9	1.5	ug/Kg	☼	07/25/14 03:30	07/26/14 00:04	10
PCB-1242	ND		8.9	1.5	ug/Kg	☼	07/25/14 03:30	07/26/14 00:04	10
PCB-1248	**550**		8.9	0.85	ug/Kg	☼	07/25/14 03:30	07/26/14 00:04	10
PCB-1254	**320**		8.9	1.3	ug/Kg	☼	07/25/14 03:30	07/26/14 00:04	10
PCB-1260	ND		8.9	1.3	ug/Kg	☼	07/25/14 03:30	07/26/14 00:04	10
PCB-1262	ND		8.9	2.0	ug/Kg	☼	07/25/14 03:30	07/26/14 00:04	10
PCB-1268	ND		8.9	1.1	ug/Kg	☼	07/25/14 03:30	07/26/14 00:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*131*		*20 - 150*	*07/25/14 03:30*	*07/26/14 00:04*	*10*
Tetrachloro-m-xylene (Surr)	*82*		*30 - 150*	*07/25/14 03:30*	*07/26/14 00:04*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.0**		0.10	0.10	%			07/23/14 14:59	1
Percent Solids	**92**		0.10	0.10	%			07/23/14 14:59	1

Client Sample ID: SSHS-B9-A-SS

Lab Sample ID: 180-35053-22

Date Collected: 07/21/14 13:20

Matrix: Solid

Date Received: 07/22/14 08:55

Percent Solids: 87.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.5	1.4	ug/Kg	☼	07/25/14 03:30	07/26/14 00:37	10
PCB-1221	ND		9.5	1.8	ug/Kg	☼	07/25/14 03:30	07/26/14 00:37	10
PCB-1232	ND		9.5	1.6	ug/Kg	☼	07/25/14 03:30	07/26/14 00:37	10
PCB-1242	ND		9.5	1.5	ug/Kg	☼	07/25/14 03:30	07/26/14 00:37	10
PCB-1248	**82**		9.5	0.90	ug/Kg	☼	07/25/14 03:30	07/26/14 00:37	10
PCB-1254	**74**		9.5	1.3	ug/Kg	☼	07/25/14 03:30	07/26/14 00:37	10
PCB-1260	ND		9.5	1.3	ug/Kg	☼	07/25/14 03:30	07/26/14 00:37	10
PCB-1262	**38**		9.5	2.1	ug/Kg	☼	07/25/14 03:30	07/26/14 00:37	10
PCB-1268	ND		9.5	1.2	ug/Kg	☼	07/25/14 03:30	07/26/14 00:37	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*20 - 150*	*07/25/14 03:30*	*07/26/14 00:37*	*10*
Tetrachloro-m-xylene (Surr)	*80*		*30 - 150*	*07/25/14 03:30*	*07/26/14 00:37*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10	0.10	%			07/23/14 14:59	1

Client Sample ID: SSHS-B9-A-SS

Lab Sample ID: 180-35053-22
Matrix: Solid
Date Collected: 07/21/14 13:20
Date Received: 07/22/14 08:55

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**88**		0.10	0.10	%			07/23/14 14:59	1

Client Sample ID: EB-20140721

Lab Sample ID: 180-35053-23
Matrix: Water
Date Collected: 07/21/14 17:20
Date Received: 07/22/14 08:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4.0**	**J**	5.0	2.5	ug/L			07/25/14 15:26	1
Benzene	ND		1.0	0.11	ug/L			07/25/14 15:26	1
Bromoform	ND		1.0	0.19	ug/L			07/25/14 15:26	1
Bromomethane	ND		1.0	0.31	ug/L			07/25/14 15:26	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			07/25/14 15:26	1
Carbon disulfide	ND		1.0	0.21	ug/L			07/25/14 15:26	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			07/25/14 15:26	1
Chlorobenzene	ND		1.0	0.14	ug/L			07/25/14 15:26	1
Chlorobromomethane	ND		1.0	0.18	ug/L			07/25/14 15:26	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			07/25/14 15:26	1
Chloroethane	ND		1.0	0.21	ug/L			07/25/14 15:26	1
Chloroform	ND		1.0	0.17	ug/L			07/25/14 15:26	1
Chloromethane	ND		1.0	0.28	ug/L			07/25/14 15:26	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			07/25/14 15:26	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			07/25/14 15:26	1
Cyclohexane	ND		1.0	0.25	ug/L			07/25/14 15:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			07/25/14 15:26	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			07/25/14 15:26	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/25/14 15:26	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			07/25/14 15:26	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			07/25/14 15:26	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			07/25/14 15:26	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			07/25/14 15:26	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			07/25/14 15:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/25/14 15:26	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			07/25/14 15:26	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			07/25/14 15:26	1
1,4-Dioxane	ND		200	34	ug/L			07/25/14 15:26	1
Ethylbenzene	ND		1.0	0.23	ug/L			07/25/14 15:26	1
2-Hexanone	ND		5.0	0.16	ug/L			07/25/14 15:26	1
Isopropylbenzene	ND		1.0	0.16	ug/L			07/25/14 15:26	1
Methyl acetate	ND		1.0	0.14	ug/L			07/25/14 15:26	1
Methylcyclohexane	ND		1.0	0.26	ug/L			07/25/14 15:26	1
Methylene Chloride	**0.38**	**J**	1.0	0.13	ug/L			07/25/14 15:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			07/25/14 15:26	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			07/25/14 15:26	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			07/25/14 15:26	1
o-Xylene	ND		1.0	0.11	ug/L			07/25/14 15:26	1
Styrene	ND		1.0	0.097	ug/L			07/25/14 15:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			07/25/14 15:26	1
Tetrachloroethene	ND		1.0	0.15	ug/L			07/25/14 15:26	1
Toluene	ND		1.0	0.15	ug/L			07/25/14 15:26	1

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

Client Sample ID: EB-20140721 Lab Sample ID: 180-35053-23

Date Collected: 07/21/14 17:20 **Matrix: Water**
Date Received: 07/22/14 08:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			07/25/14 15:26	1
trans-1,3-Dichloropropene	ND	*	1.0	0.15	ug/L			07/25/14 15:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			07/25/14 15:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			07/25/14 15:26	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			07/25/14 15:26	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/25/14 15:26	1
Trichloroethene	ND		1.0	0.14	ug/L			07/25/14 15:26	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			07/25/14 15:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			07/25/14 15:26	1
Vinyl chloride	ND		1.0	0.23	ug/L			07/25/14 15:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1.7*	*T J*	*ug/L*		*2.30*			*07/25/14 15:26*	*1*
Unknown	*1.0*	*T J*	*ug/L*		*3.93*			*07/25/14 15:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 118*		*07/25/14 15:26*	*1*
Dibromofluoromethane (Surr)	*112*		*70 - 128*		*07/25/14 15:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*64 - 135*		*07/25/14 15:26*	*1*
Toluene-d8 (Surr)	*104*		*71 - 118*		*07/25/14 15:26*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.080	0.020	ug/L		07/23/14 14:00	07/25/14 10:37	1
PCB-1221	ND		0.080	0.020	ug/L		07/23/14 14:00	07/25/14 10:37	1
PCB-1232	ND		0.080	0.023	ug/L		07/23/14 14:00	07/25/14 10:37	1
PCB-1242	ND		0.080	0.015	ug/L		07/23/14 14:00	07/25/14 10:37	1
PCB-1248	ND		0.080	0.018	ug/L		07/23/14 14:00	07/25/14 10:37	1
PCB-1254	ND		0.080	0.018	ug/L		07/23/14 14:00	07/25/14 10:37	1
PCB-1260	ND		0.080	0.011	ug/L		07/23/14 14:00	07/25/14 10:37	1
PCB-1262	ND		0.080	0.016	ug/L		07/23/14 14:00	07/25/14 10:37	1
PCB-1268	ND		0.080	0.022	ug/L		07/23/14 14:00	07/25/14 10:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*60 - 135*	*07/23/14 14:00*	*07/25/14 10:37*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*25 - 150*	*07/23/14 14:00*	*07/25/14 10:37*	*1*

Client Sample ID: SSHS-FB7-D-SS Lab Sample ID: 180-35053-24

Date Collected: 07/21/14 15:50 **Matrix: Solid**
Date Received: 07/22/14 08:55 **Percent Solids: 75.1**

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	1.6	ug/Kg	☼	07/25/14 03:30	07/26/14 01:09	10
PCB-1221	ND		11	2.1	ug/Kg	☼	07/25/14 03:30	07/26/14 01:09	10
PCB-1232	ND		11	1.9	ug/Kg	☼	07/25/14 03:30	07/26/14 01:09	10
PCB-1242	ND		11	1.8	ug/Kg	☼	07/25/14 03:30	07/26/14 01:09	10
PCB-1248	**180**		11	1.0	ug/Kg	☼	07/25/14 03:30	07/26/14 01:09	10
PCB-1254	**110**		11	1.6	ug/Kg	☼	07/25/14 03:30	07/26/14 01:09	10
PCB-1260	ND		11	1.6	ug/Kg	☼	07/25/14 03:30	07/26/14 01:09	10
PCB-1262	ND		11	2.4	ug/Kg	☼	07/25/14 03:30	07/26/14 01:09	10

Client Sample ID: SSHS-FB7-D-SS

Lab Sample ID: 180-35053-24
Date Collected: 07/21/14 15:50
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 75.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1268	ND		11	1.4	ug/Kg	☼	07/25/14 03:30	07/26/14 01:09	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*20 - 150*	*07/25/14 03:30*	*07/26/14 01:09*	*10*
Tetrachloro-m-xylene (Surr)	*64*		*30 - 150*	*07/25/14 03:30*	*07/26/14 01:09*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**25**		0.10	0.10	%			07/23/14 14:59	1
Percent Solids	**75**		0.10	0.10	%			07/23/14 14:59	1

Client Sample ID: SSHS-FB7-D-SUB-0.17-1

Lab Sample ID: 180-35053-25
Date Collected: 07/21/14 15:55
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 89.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.3	1.4	ug/Kg	☼	07/25/14 03:30	07/26/14 01:41	10
PCB-1221	ND		9.3	1.8	ug/Kg	☼	07/25/14 03:30	07/26/14 01:41	10
PCB-1232	ND		9.3	1.6	ug/Kg	☼	07/25/14 03:30	07/26/14 01:41	10
PCB-1242	ND		9.3	1.5	ug/Kg	☼	07/25/14 03:30	07/26/14 01:41	10
PCB-1248	**120**		9.3	0.88	ug/Kg	☼	07/25/14 03:30	07/26/14 01:41	10
PCB-1254	**64**		9.3	1.3	ug/Kg	☼	07/25/14 03:30	07/26/14 01:41	10
PCB-1260	ND		9.3	1.3	ug/Kg	☼	07/25/14 03:30	07/26/14 01:41	10
PCB-1262	ND		9.3	2.0	ug/Kg	☼	07/25/14 03:30	07/26/14 01:41	10
PCB-1268	ND		9.3	1.2	ug/Kg	☼	07/25/14 03:30	07/26/14 01:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*20 - 150*	*07/25/14 03:30*	*07/26/14 01:41*	*10*
Tetrachloro-m-xylene (Surr)	*73*		*30 - 150*	*07/25/14 03:30*	*07/26/14 01:41*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10**		0.10	0.10	%			07/23/14 14:59	1
Percent Solids	**90**		0.10	0.10	%			07/23/14 14:59	1

Client Sample ID: SSHS-FB7-D-SUB-1-2

Lab Sample ID: 180-35053-26
Date Collected: 07/21/14 16:00
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 83.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50	7.4	ug/Kg	☼	07/25/14 03:30	07/26/14 12:27	50
PCB-1221	ND		50	9.5	ug/Kg	☼	07/25/14 03:30	07/26/14 12:27	50
PCB-1232	ND		50	8.5	ug/Kg	☼	07/25/14 03:30	07/26/14 12:27	50
PCB-1242	ND		50	8.1	ug/Kg	☼	07/25/14 03:30	07/26/14 12:27	50
PCB-1248	**5000**		50	4.7	ug/Kg	☼	07/25/14 03:30	07/26/14 12:27	50
PCB-1254	**1800**		50	7.0	ug/Kg	☼	07/25/14 03:30	07/26/14 12:27	50
PCB-1260	ND		50	7.0	ug/Kg	☼	07/25/14 03:30	07/26/14 12:27	50
PCB-1262	ND		50	11	ug/Kg	☼	07/25/14 03:30	07/26/14 12:27	50
PCB-1268	ND		50	6.4	ug/Kg	☼	07/25/14 03:30	07/26/14 12:27	50

Client Sample ID: SSHS-FB7-D-SUB-1-2

Lab Sample ID: 180-35053-26

Date Collected: 07/21/14 16:00

Matrix: Solid

Date Received: 07/22/14 08:55

Percent Solids: 83.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*168*	*X D*	*20 - 150*	*07/25/14 03:30*	*07/26/14 12:27*	*50*
Tetrachloro-m-xylene (Surr)	*48*	*D*	*30 - 150*	*07/25/14 03:30*	*07/26/14 12:27*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16**		0.10	0.10	%			07/23/14 14:59	1
Percent Solids	**84**		0.10	0.10	%			07/23/14 14:59	1

Client Sample ID: SSHS-FB7-D-SUB-2-3

Lab Sample ID: 180-35053-27

Date Collected: 07/21/14 16:10

Matrix: Solid

Date Received: 07/22/14 08:55

Percent Solids: 90.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		4600	690	ug/Kg	☼	07/25/14 03:30	07/27/14 19:10	5000
PCB-1221	ND		4600	880	ug/Kg	☼	07/25/14 03:30	07/27/14 19:10	5000
PCB-1232	ND		4600	790	ug/Kg	☼	07/25/14 03:30	07/27/14 19:10	5000
PCB-1242	ND		4600	750	ug/Kg	☼	07/25/14 03:30	07/27/14 19:10	5000
PCB-1248	**540000**		4600	440	ug/Kg	☼	07/25/14 03:30	07/27/14 19:10	5000
PCB-1254	**150000**		4600	660	ug/Kg	☼	07/25/14 03:30	07/27/14 19:10	5000
PCB-1260	ND		4600	650	ug/Kg	☼	07/25/14 03:30	07/27/14 19:10	5000
PCB-1262	ND		4600	1000	ug/Kg	☼	07/25/14 03:30	07/27/14 19:10	5000
PCB-1268	ND		4600	590	ug/Kg	☼	07/25/14 03:30	07/27/14 19:10	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*4855*	*X D*	*20 - 150*	*07/25/14 03:30*	*07/27/14 19:10*	*5000*
Tetrachloro-m-xylene (Surr)	*0*	*X D*	*30 - 150*	*07/25/14 03:30*	*07/27/14 19:10*	*5000*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.5**		0.10	0.10	%			07/23/14 14:59	1
Percent Solids	**90**		0.10	0.10	%			07/23/14 14:59	1

Client Sample ID: SSHS-FB7-A-SS

Lab Sample ID: 180-35053-28

Date Collected: 07/21/14 16:20

Matrix: Solid

Date Received: 07/22/14 08:55

Percent Solids: 83.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		10	1.5	ug/Kg	☼	07/25/14 03:30	07/26/14 05:59	10
PCB-1221	ND		10	1.9	ug/Kg	☼	07/25/14 03:30	07/26/14 05:59	10
PCB-1232	ND		10	1.7	ug/Kg	☼	07/25/14 03:30	07/26/14 05:59	10
PCB-1242	ND		10	1.6	ug/Kg	☼	07/25/14 03:30	07/26/14 05:59	10
PCB-1248	**280**		10	0.94	ug/Kg	☼	07/25/14 03:30	07/26/14 05:59	10
PCB-1254	**130**		10	1.4	ug/Kg	☼	07/25/14 03:30	07/26/14 05:59	10
PCB-1260	ND		10	1.4	ug/Kg	☼	07/25/14 03:30	07/26/14 05:59	10
PCB-1262	ND		10	2.2	ug/Kg	☼	07/25/14 03:30	07/26/14 05:59	10
PCB-1268	ND		10	1.3	ug/Kg	☼	07/25/14 03:30	07/26/14 05:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*97*		*20 - 150*	*07/25/14 03:30*	*07/26/14 05:59*	*10*

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35053-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-FB7-A-SS

Lab Sample ID: 180-35053-28
Date Collected: 07/21/14 16:20 **Matrix: Solid**
Date Received: 07/22/14 08:55 **Percent Solids: 83.5**

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*72*		*30 - 150*	*07/25/14 03:30*	*07/26/14 05:59*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		0.10	0.10	%			07/23/14 14:59	1
Percent Solids	**83**		0.10	0.10	%			07/23/14 14:59	1

Client Sample ID: SSHS-FB7-A-SUB-0.17-1

Lab Sample ID: 180-35053-29
Date Collected: 07/21/14 16:25 **Matrix: Solid**
Date Received: 07/22/14 08:55 **Percent Solids: 92.4**

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.0	1.3	ug/Kg	☼	07/25/14 03:30	07/26/14 06:31	10
PCB-1221	ND		9.0	1.7	ug/Kg	☼	07/25/14 03:30	07/26/14 06:31	10
PCB-1232	ND		9.0	1.5	ug/Kg	☼	07/25/14 03:30	07/26/14 06:31	10
PCB-1242	ND		9.0	1.5	ug/Kg	☼	07/25/14 03:30	07/26/14 06:31	10
PCB-1248	**150**		9.0	0.85	ug/Kg	☼	07/25/14 03:30	07/26/14 06:31	10
PCB-1254	**66**		9.0	1.3	ug/Kg	☼	07/25/14 03:30	07/26/14 06:31	10
PCB-1260	ND		9.0	1.3	ug/Kg	☼	07/25/14 03:30	07/26/14 06:31	10
PCB-1262	ND		9.0	2.0	ug/Kg	☼	07/25/14 03:30	07/26/14 06:31	10
PCB-1268	ND		9.0	1.2	ug/Kg	☼	07/25/14 03:30	07/26/14 06:31	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*107*		*20 - 150*	*07/25/14 03:30*	*07/26/14 06:31*	*10*
Tetrachloro-m-xylene (Surr)	*78*		*30 - 150*	*07/25/14 03:30*	*07/26/14 06:31*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.6**		0.10	0.10	%			07/23/14 14:59	1
Percent Solids	**92**		0.10	0.10	%			07/23/14 14:59	1

Client Sample ID: SSHS-FB7-A-SUB-1-2

Lab Sample ID: 180-35053-30
Date Collected: 07/21/14 16:30 **Matrix: Solid**
Date Received: 07/22/14 08:55 **Percent Solids: 89.0**

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		190	28	ug/Kg	☼	07/25/14 03:30	07/26/14 14:36	200
PCB-1221	ND		190	36	ug/Kg	☼	07/25/14 03:30	07/26/14 14:36	200
PCB-1232	ND		190	32	ug/Kg	☼	07/25/14 03:30	07/26/14 14:36	200
PCB-1242	ND		190	30	ug/Kg	☼	07/25/14 03:30	07/26/14 14:36	200
PCB-1248	**20000**		190	18	ug/Kg	☼	07/25/14 03:30	07/26/14 14:36	200
PCB-1254	**6900**		190	26	ug/Kg	☼	07/25/14 03:30	07/26/14 14:36	200
PCB-1260	ND		190	26	ug/Kg	☼	07/25/14 03:30	07/26/14 14:36	200
PCB-1262	ND		190	41	ug/Kg	☼	07/25/14 03:30	07/26/14 14:36	200
PCB-1268	ND		190	24	ug/Kg	☼	07/25/14 03:30	07/26/14 14:36	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*291*	*X D*	*20 - 150*	*07/25/14 03:30*	*07/26/14 14:36*	*200*

Client Sample ID: SSHS-FB7-A-SUB-1-2

Lab Sample ID: 180-35053-30
Date Collected: 07/21/14 16:30
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 89.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*94*	*D*	*30 - 150*	*07/25/14 03:30*	*07/26/14 14:36*	*200*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			07/23/14 14:59	1
Percent Solids	**89**		0.10	0.10	%			07/23/14 14:59	1

Client Sample ID: SSHS-FB7-A-SUB-2-3

Lab Sample ID: 180-35053-31
Date Collected: 07/21/14 16:35
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 89.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.3	1.4	ug/Kg	☼	07/25/14 03:30	07/26/14 07:36	10
PCB-1221	ND		9.3	1.8	ug/Kg	☼	07/25/14 03:30	07/26/14 07:36	10
PCB-1232	ND		9.3	1.6	ug/Kg	☼	07/25/14 03:30	07/26/14 07:36	10
PCB-1242	ND		9.3	1.5	ug/Kg	☼	07/25/14 03:30	07/26/14 07:36	10
PCB-1248	**1400**		9.3	0.88	ug/Kg	☼	07/25/14 03:30	07/26/14 07:36	10
PCB-1254	**700**		9.3	1.3	ug/Kg	☼	07/25/14 03:30	07/26/14 07:36	10
PCB-1260	ND		9.3	1.3	ug/Kg	☼	07/25/14 03:30	07/26/14 07:36	10
PCB-1262	ND		9.3	2.0	ug/Kg	☼	07/25/14 03:30	07/26/14 07:36	10
PCB-1268	ND		9.3	1.2	ug/Kg	☼	07/25/14 03:30	07/26/14 07:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*196*	*X*	*20 - 150*	*07/25/14 03:30*	*07/26/14 07:36*	*10*
Tetrachloro-m-xylene (Surr)	*70*		*30 - 150*	*07/25/14 03:30*	*07/26/14 07:36*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**89**		0.10	0.10	%			07/23/14 14:56	1

Client Sample ID: SSHS-FB7-B-SS

Lab Sample ID: 180-35053-32
Date Collected: 07/21/14 16:40
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 85.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.7	1.4	ug/Kg	☼	07/25/14 03:30	07/26/14 08:08	10
PCB-1221	ND		9.7	1.9	ug/Kg	☼	07/25/14 03:30	07/26/14 08:08	10
PCB-1232	ND		9.7	1.7	ug/Kg	☼	07/25/14 03:30	07/26/14 08:08	10
PCB-1242	ND		9.7	1.6	ug/Kg	☼	07/25/14 03:30	07/26/14 08:08	10
PCB-1248	**140**		9.7	0.92	ug/Kg	☼	07/25/14 03:30	07/26/14 08:08	10
PCB-1254	**89**		9.7	1.4	ug/Kg	☼	07/25/14 03:30	07/26/14 08:08	10
PCB-1260	ND		9.7	1.4	ug/Kg	☼	07/25/14 03:30	07/26/14 08:08	10
PCB-1262	ND		9.7	2.1	ug/Kg	☼	07/25/14 03:30	07/26/14 08:08	10
PCB-1268	ND		9.7	1.3	ug/Kg	☼	07/25/14 03:30	07/26/14 08:08	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*20 - 150*	*07/25/14 03:30*	*07/26/14 08:08*	*10*

Client Sample Results

Client Sample ID: SSHS-FB7-B-SS

Lab Sample ID: 180-35053-32

Date Collected: 07/21/14 16:40
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 85.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*72*		*30 - 150*	*07/25/14 03:30*	*07/26/14 08:08*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**85**		0.10	0.10	%			07/23/14 14:56	1

Client Sample ID: SSHS-FB7-B-SUB-0.17-1

Lab Sample ID: 180-35053-33

Date Collected: 07/21/14 16:45
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 85.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.8	1.5	ug/Kg	☼	07/25/14 03:30	07/26/14 08:41	10
PCB-1221	ND		9.8	1.9	ug/Kg	☼	07/25/14 03:30	07/26/14 08:41	10
PCB-1232	ND		9.8	1.7	ug/Kg	☼	07/25/14 03:30	07/26/14 08:41	10
PCB-1242	ND		9.8	1.6	ug/Kg	☼	07/25/14 03:30	07/26/14 08:41	10
PCB-1248	**41**		9.8	0.92	ug/Kg	☼	07/25/14 03:30	07/26/14 08:41	10
PCB-1254	**22**		9.8	1.4	ug/Kg	☼	07/25/14 03:30	07/26/14 08:41	10
PCB-1260	ND		9.8	1.4	ug/Kg	☼	07/25/14 03:30	07/26/14 08:41	10
PCB-1262	ND		9.8	2.1	ug/Kg	☼	07/25/14 03:30	07/26/14 08:41	10
PCB-1268	ND		9.8	1.3	ug/Kg	☼	07/25/14 03:30	07/26/14 08:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*20 - 150*	*07/25/14 03:30*	*07/26/14 08:41*	*10*
Tetrachloro-m-xylene (Surr)	*76*		*30 - 150*	*07/25/14 03:30*	*07/26/14 08:41*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15**		0.10	0.10	%			07/23/14 14:56	1
Percent Solids	**85**		0.10	0.10	%			07/23/14 14:56	1

Client Sample ID: SSHS-FB7-B-SUB-1-2

Lab Sample ID: 180-35053-34

Date Collected: 07/21/14 16:50
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 85.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		490	72	ug/Kg	☼	07/25/14 03:30	07/26/14 15:08	500
PCB-1221	ND		490	93	ug/Kg	☼	07/25/14 03:30	07/26/14 15:08	500
PCB-1232	ND		490	83	ug/Kg	☼	07/25/14 03:30	07/26/14 15:08	500
PCB-1242	ND		490	79	ug/Kg	☼	07/25/14 03:30	07/26/14 15:08	500
PCB-1248	**23000**		490	46	ug/Kg	☼	07/25/14 03:30	07/26/14 15:08	500
PCB-1254	**7200**		490	69	ug/Kg	☼	07/25/14 03:30	07/26/14 15:08	500
PCB-1260	ND		490	69	ug/Kg	☼	07/25/14 03:30	07/26/14 15:08	500
PCB-1262	ND		490	110	ug/Kg	☼	07/25/14 03:30	07/26/14 15:08	500
PCB-1268	ND		490	62	ug/Kg	☼	07/25/14 03:30	07/26/14 15:08	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*535*	*D X*	*20 - 150*	*07/25/14 03:30*	*07/26/14 15:08*	*500*

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

Client Sample ID: SSHS-FB7-B-SUB-1-2　　Lab Sample ID: 180-35053-34

Date Collected: 07/21/14 16:50　　**Matrix: Solid**

Date Received: 07/22/14 08:55　　**Percent Solids: 85.8**

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*119*	*D*	*30 - 150*	*07/25/14 03:30*	*07/26/14 15:08*	*500*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14**		0.10	0.10	%			07/23/14 14:45	1
Percent Solids	**86**		0.10	0.10	%			07/23/14 14:45	1

Client Sample ID: SSHS-FB7-B-SUB-2-3　　Lab Sample ID: 180-35053-35

Date Collected: 07/21/14 16:55　　**Matrix: Solid**

Date Received: 07/22/14 08:55　　**Percent Solids: 89.0**

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		92	14	ug/Kg	☼	07/25/14 03:30	07/26/14 15:41	100
PCB-1221	ND		92	18	ug/Kg	☼	07/25/14 03:30	07/26/14 15:41	100
PCB-1232	ND		92	16	ug/Kg	☼	07/25/14 03:30	07/26/14 15:41	100
PCB-1242	ND		92	15	ug/Kg	☼	07/25/14 03:30	07/26/14 15:41	100
PCB-1248	**7000**		92	8.7	ug/Kg	☼	07/25/14 03:30	07/26/14 15:41	100
PCB-1254	**2900**		92	13	ug/Kg	☼	07/25/14 03:30	07/26/14 15:41	100
PCB-1260	ND		92	13	ug/Kg	☼	07/25/14 03:30	07/26/14 15:41	100
PCB-1262	ND		92	20	ug/Kg	☼	07/25/14 03:30	07/26/14 15:41	100
PCB-1268	ND		92	12	ug/Kg	☼	07/25/14 03:30	07/26/14 15:41	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*185*	*X D*	*20 - 150*	*07/25/14 03:30*	*07/26/14 15:41*	*100*
Tetrachloro-m-xylene (Surr)	*78*	*D*	*30 - 150*	*07/25/14 03:30*	*07/26/14 15:41*	*100*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			07/23/14 14:45	1
Percent Solids	**89**		0.10	0.10	%			07/23/14 14:45	1

Client Sample ID: SSHS-FB7-E-SS　　Lab Sample ID: 180-35053-36

Date Collected: 07/21/14 17:00　　**Matrix: Solid**

Date Received: 07/22/14 08:55　　**Percent Solids: 84.8**

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.8	1.5	ug/Kg	☼	07/25/14 03:30	07/26/14 10:18	10
PCB-1221	ND		9.8	1.9	ug/Kg	☼	07/25/14 03:30	07/26/14 10:18	10
PCB-1232	ND		9.8	1.7	ug/Kg	☼	07/25/14 03:30	07/26/14 10:18	10
PCB-1242	ND		9.8	1.6	ug/Kg	☼	07/25/14 03:30	07/26/14 10:18	10
PCB-1248	**160**		9.8	0.92	ug/Kg	☼	07/25/14 03:30	07/26/14 10:18	10
PCB-1254	**100**		9.8	1.4	ug/Kg	☼	07/25/14 03:30	07/26/14 10:18	10
PCB-1260	ND		9.8	1.4	ug/Kg	☼	07/25/14 03:30	07/26/14 10:18	10
PCB-1262	ND		9.8	2.1	ug/Kg	☼	07/25/14 03:30	07/26/14 10:18	10
PCB-1268	ND		9.8	1.3	ug/Kg	☼	07/25/14 03:30	07/26/14 10:18	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*20 - 150*	*07/25/14 03:30*	*07/26/14 10:18*	*10*

Client Sample Results

Client Sample ID: SSHS-FB7-E-SS

Lab Sample ID: 180-35053-36

Date Collected: 07/21/14 17:00
Date Received: 07/22/14 08:55

Matrix: Solid
Percent Solids: 84.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*75*		*30 - 150*	*07/25/14 03:30*	*07/26/14 10:18*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15**		0.10	0.10	%			07/23/14 14:45	1
Percent Solids	**85**		0.10	0.10	%			07/23/14 14:45	1

Client Sample ID: SSHS-FB7-E-SUB-0.17-1

Lab Sample ID: 180-35053-37

Date Collected: 07/21/14 17:03
Date Received: 07/22/14 08:55

Matrix: Solid
Percent Solids: 90.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		46	6.9	ug/Kg	☼	07/25/14 03:30	07/27/14 17:33	50
PCB-1221	ND		46	8.8	ug/Kg	☼	07/25/14 03:30	07/27/14 17:33	50
PCB-1232	ND		46	7.9	ug/Kg	☼	07/25/14 03:30	07/27/14 17:33	50
PCB-1242	ND		46	7.5	ug/Kg	☼	07/25/14 03:30	07/27/14 17:33	50
PCB-1248	**5000**		46	4.4	ug/Kg	☼	07/25/14 03:30	07/27/14 17:33	50
PCB-1254	**2100**		46	6.6	ug/Kg	☼	07/25/14 03:30	07/27/14 17:33	50
PCB-1260	ND		46	6.6	ug/Kg	☼	07/25/14 03:30	07/27/14 17:33	50
PCB-1262	ND		46	10	ug/Kg	☼	07/25/14 03:30	07/27/14 17:33	50
PCB-1268	ND		46	5.9	ug/Kg	☼	07/25/14 03:30	07/27/14 17:33	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*118*	*D*	*20 - 150*	*07/25/14 03:30*	*07/27/14 17:33*	*50*
Tetrachloro-m-xylene (Surr)	*76*	*D*	*30 - 150*	*07/25/14 03:30*	*07/27/14 17:33*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.6**		0.10	0.10	%			07/23/14 14:45	1
Percent Solids	**90**		0.10	0.10	%			07/23/14 14:45	1

Client Sample ID: SSHS-FB7-E-SUB-1-2

Lab Sample ID: 180-35053-38

Date Collected: 07/21/14 17:05
Date Received: 07/22/14 08:55

Matrix: Solid
Percent Solids: 89.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		190	28	ug/Kg	☼	07/25/14 03:30	07/28/14 09:04	200
PCB-1221	ND		190	35	ug/Kg	☼	07/25/14 03:30	07/28/14 09:04	200
PCB-1232	ND		190	32	ug/Kg	☼	07/25/14 03:30	07/28/14 09:04	200
PCB-1242	ND		190	30	ug/Kg	☼	07/25/14 03:30	07/28/14 09:04	200
PCB-1248	**19000**		190	18	ug/Kg	☼	07/25/14 03:30	07/28/14 09:04	200
PCB-1254	**6600**		190	26	ug/Kg	☼	07/25/14 03:30	07/28/14 09:04	200
PCB-1260	ND		190	26	ug/Kg	☼	07/25/14 03:30	07/28/14 09:04	200
PCB-1262	ND		190	41	ug/Kg	☼	07/25/14 03:30	07/28/14 09:04	200
PCB-1268	ND		190	24	ug/Kg	☼	07/25/14 03:30	07/28/14 09:04	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*249*	*X D*	*20 - 150*	*07/25/14 03:30*	*07/28/14 09:04*	*200*

Client Sample ID: SSHS-FB7-E-SUB-1-2

Lab Sample ID: 180-35053-38

Date Collected: 07/21/14 17:05

Matrix: Solid

Date Received: 07/22/14 08:55

Percent Solids: 89.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*106*	*D*	*30 - 150*	*07/25/14 03:30*	*07/28/14 09:04*	*200*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			07/23/14 14:45	1
Percent Solids	**89**		0.10	0.10	%			07/23/14 14:45	1

Client Sample ID: SSHS-FB7-E-SUB-2-3

Lab Sample ID: 180-35053-39

Date Collected: 07/21/14 17:10

Matrix: Solid

Date Received: 07/22/14 08:55

Percent Solids: 89.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		46	6.9	ug/Kg	☼	07/25/14 03:30	07/27/14 18:37	50
PCB-1221	ND		46	8.9	ug/Kg	☼	07/25/14 03:30	07/27/14 18:37	50
PCB-1232	ND		46	8.0	ug/Kg	☼	07/25/14 03:30	07/27/14 18:37	50
PCB-1242	ND		46	7.6	ug/Kg	☼	07/25/14 03:30	07/27/14 18:37	50
PCB-1248	**5400**		46	4.4	ug/Kg	☼	07/25/14 03:30	07/27/14 18:37	50
PCB-1254	**2900**		46	6.6	ug/Kg	☼	07/25/14 03:30	07/27/14 18:37	50
PCB-1260	ND		46	6.6	ug/Kg	☼	07/25/14 03:30	07/27/14 18:37	50
PCB-1262	ND		46	10	ug/Kg	☼	07/25/14 03:30	07/27/14 18:37	50
PCB-1268	ND		46	6.0	ug/Kg	☼	07/25/14 03:30	07/27/14 18:37	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*406*	*X D*	*20 - 150*	*07/25/14 03:30*	*07/27/14 18:37*	*50*
Tetrachloro-m-xylene (Surr)	*0*	*X D*	*30 - 150*	*07/25/14 03:30*	*07/27/14 18:37*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10**		0.10	0.10	%			07/23/14 14:45	1
Percent Solids	**90**		0.10	0.10	%			07/23/14 14:45	1

Client Sample ID: SSHS-FB7-C-SS

Lab Sample ID: 180-35053-40

Date Collected: 07/21/14 17:15

Matrix: Solid

Date Received: 07/22/14 08:55

Percent Solids: 79.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		10	1.5	ug/Kg	☼	07/26/14 02:40	07/27/14 07:50	10
PCB-1221	ND		10	2.0	ug/Kg	☼	07/26/14 02:40	07/27/14 07:50	10
PCB-1232	ND		10	1.8	ug/Kg	☼	07/26/14 02:40	07/27/14 07:50	10
PCB-1242	ND		10	1.7	ug/Kg	☼	07/26/14 02:40	07/27/14 07:50	10
PCB-1248	**37**		10	0.98	ug/Kg	☼	07/26/14 02:40	07/27/14 07:50	10
PCB-1254	**28**		10	1.5	ug/Kg	☼	07/26/14 02:40	07/27/14 07:50	10
PCB-1260	ND		10	1.5	ug/Kg	☼	07/26/14 02:40	07/27/14 07:50	10
PCB-1262	ND		10	2.3	ug/Kg	☼	07/26/14 02:40	07/27/14 07:50	10
PCB-1268	ND		10	1.3	ug/Kg	☼	07/26/14 02:40	07/27/14 07:50	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*20 - 150*	*07/26/14 02:40*	*07/27/14 07:50*	*10*

Client Sample ID: SSHS-FB7-C-SS Lab Sample ID: 180-35053-40

Date Collected: 07/21/14 17:15 **Matrix: Solid**
Date Received: 07/22/14 08:55 **Percent Solids: 79.5**

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*64*		*30 - 150*	*07/26/14 02:40*	*07/27/14 07:50*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**20**		0.10	0.10	%			07/23/14 14:45	1
Percent Solids	**80**		0.10	0.10	%			07/23/14 14:45	1

Client Sample ID: SSHS-FB7-C-SUB-0.17-1 Lab Sample ID: 180-35053-41

Date Collected: 07/21/14 17:18 **Matrix: Solid**
Date Received: 07/22/14 08:55 **Percent Solids: 84.1**

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.9	1.5	ug/Kg	☼	07/26/14 02:40	07/27/14 08:22	10
PCB-1221	ND		9.9	1.9	ug/Kg	☼	07/26/14 02:40	07/27/14 08:22	10
PCB-1232	ND		9.9	1.7	ug/Kg	☼	07/26/14 02:40	07/27/14 08:22	10
PCB-1242	ND		9.9	1.6	ug/Kg	☼	07/26/14 02:40	07/27/14 08:22	10
PCB-1248	**2600**		9.9	0.94	ug/Kg	☼	07/26/14 02:40	07/27/14 08:22	10
PCB-1254	**990**		9.9	1.4	ug/Kg	☼	07/26/14 02:40	07/27/14 08:22	10
PCB-1260	ND		9.9	1.4	ug/Kg	☼	07/26/14 02:40	07/27/14 08:22	10
PCB-1262	**160**		9.9	2.2	ug/Kg	☼	07/26/14 02:40	07/27/14 08:22	10
PCB-1268	ND		9.9	1.3	ug/Kg	☼	07/26/14 02:40	07/27/14 08:22	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*119*		*20 - 150*	*07/26/14 02:40*	*07/27/14 08:22*	*10*
Tetrachloro-m-xylene (Surr)	*89*		*30 - 150*	*07/26/14 02:40*	*07/27/14 08:22*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16**		0.10	0.10	%			07/23/14 14:45	1
Percent Solids	**84**		0.10	0.10	%			07/23/14 14:45	1

Client Sample ID: SSHS-FB7-C-SUB-1-2 Lab Sample ID: 180-35053-42

Date Collected: 07/21/14 17:22 **Matrix: Solid**
Date Received: 07/22/14 08:55 **Percent Solids: 90.2**

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		92	14	ug/Kg	☼	07/26/14 02:40	07/27/14 23:28	100
PCB-1221	ND		92	18	ug/Kg	☼	07/26/14 02:40	07/27/14 23:28	100
PCB-1232	ND		92	16	ug/Kg	☼	07/26/14 02:40	07/27/14 23:28	100
PCB-1242	ND		92	15	ug/Kg	☼	07/26/14 02:40	07/27/14 23:28	100
PCB-1248	**16000**		92	8.7	ug/Kg	☼	07/26/14 02:40	07/27/14 23:28	100
PCB-1254	**6200**		92	13	ug/Kg	☼	07/26/14 02:40	07/27/14 23:28	100
PCB-1260	ND		92	13	ug/Kg	☼	07/26/14 02:40	07/27/14 23:28	100
PCB-1262	**1000**		92	20	ug/Kg	☼	07/26/14 02:40	07/27/14 23:28	100
PCB-1268	ND		92	12	ug/Kg	☼	07/26/14 02:40	07/27/14 23:28	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*294*	*X D*	*20 - 150*	*07/26/14 02:40*	*07/27/14 23:28*	*100*

Client Sample ID: SSHS-FB7-C-SUB-1-2

Lab Sample ID: 180-35053-42

Date Collected: 07/21/14 17:22
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 90.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*108*	*D*	*30 - 150*	*07/26/14 02:40*	*07/27/14 23:28*	*100*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.8**		0.10	0.10	%			07/23/14 14:45	1
Percent Solids	**90**		0.10	0.10	%			07/23/14 14:45	1

Client Sample ID: SSHS-FB7-C-SUB-2-3

Lab Sample ID: 180-35053-43

Date Collected: 07/21/14 17:25
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 87.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.4	1.4	ug/Kg	☼	07/26/14 02:40	07/27/14 09:26	10
PCB-1221	ND		9.4	1.8	ug/Kg	☼	07/26/14 02:40	07/27/14 09:26	10
PCB-1232	ND		9.4	1.6	ug/Kg	☼	07/26/14 02:40	07/27/14 09:26	10
PCB-1242	ND		9.4	1.5	ug/Kg	☼	07/26/14 02:40	07/27/14 09:26	10
PCB-1248	**1200**		9.4	0.89	ug/Kg	☼	07/26/14 02:40	07/27/14 09:26	10
PCB-1254	**410**		9.4	1.3	ug/Kg	☼	07/26/14 02:40	07/27/14 09:26	10
PCB-1260	ND		9.4	1.3	ug/Kg	☼	07/26/14 02:40	07/27/14 09:26	10
PCB-1262	ND		9.4	2.1	ug/Kg	☼	07/26/14 02:40	07/27/14 09:26	10
PCB-1268	ND		9.4	1.2	ug/Kg	☼	07/26/14 02:40	07/27/14 09:26	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*121*		*20 - 150*	*07/26/14 02:40*	*07/27/14 09:26*	*10*
Tetrachloro-m-xylene (Surr)	*51*		*30 - 150*	*07/26/14 02:40*	*07/27/14 09:26*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10	0.10	%			07/23/14 14:45	1
Percent Solids	**88**		0.10	0.10	%			07/23/14 14:45	1

Client Sample ID: SSHS-FB7-DUP4

Lab Sample ID: 180-35053-44

Date Collected: 07/21/14 00:00
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 90.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.2	1.4	ug/Kg	☼	07/26/14 02:40	07/27/14 09:59	10
PCB-1221	ND		9.2	1.8	ug/Kg	☼	07/26/14 02:40	07/27/14 09:59	10
PCB-1232	ND		9.2	1.6	ug/Kg	☼	07/26/14 02:40	07/27/14 09:59	10
PCB-1242	ND		9.2	1.5	ug/Kg	☼	07/26/14 02:40	07/27/14 09:59	10
PCB-1248	**2600**		9.2	0.87	ug/Kg	☼	07/26/14 02:40	07/27/14 09:59	10
PCB-1254	**1000**		9.2	1.3	ug/Kg	☼	07/26/14 02:40	07/27/14 09:59	10
PCB-1260	ND		9.2	1.3	ug/Kg	☼	07/26/14 02:40	07/27/14 09:59	10
PCB-1262	**160**		9.2	2.0	ug/Kg	☼	07/26/14 02:40	07/27/14 09:59	10
PCB-1268	ND		9.2	1.2	ug/Kg	☼	07/26/14 02:40	07/27/14 09:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*138*		*20 - 150*	*07/26/14 02:40*	*07/27/14 09:59*	*10*

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35053-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-FB7-DUP4 Lab Sample ID: 180-35053-44

Date Collected: 07/21/14 00:00 **Matrix: Solid**
Date Received: 07/22/14 08:55 **Percent Solids: 90.2**

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*87*		*30 - 150*	*07/26/14 02:40*	*07/27/14 09:59*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.8**		0.10	0.10	%			07/23/14 14:45	1
Percent Solids	**90**		0.10	0.10	%			07/23/14 14:45	1

Client Sample ID: SSHS-FB7-DUP2 Lab Sample ID: 180-35053-45

Date Collected: 07/21/14 00:00 **Matrix: Solid**
Date Received: 07/22/14 08:55 **Percent Solids: 91.8**

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		91	13	ug/Kg	☼	07/26/14 02:40	07/27/14 00:00	100
PCB-1221	ND		91	17	ug/Kg	☼	07/26/14 02:40	07/27/14 00:00	100
PCB-1232	ND		91	16	ug/Kg	☼	07/26/14 02:40	07/27/14 00:00	100
PCB-1242	ND		91	15	ug/Kg	☼	07/26/14 02:40	07/27/14 00:00	100
PCB-1248	**9700**		91	8.6	ug/Kg	☼	07/26/14 02:40	07/27/14 00:00	100
PCB-1254	**4100**		91	13	ug/Kg	☼	07/26/14 02:40	07/27/14 00:00	100
PCB-1260	ND		91	13	ug/Kg	☼	07/26/14 02:40	07/27/14 00:00	100
PCB-1262	ND		91	20	ug/Kg	☼	07/26/14 02:40	07/27/14 00:00	100
PCB-1268	ND		91	12	ug/Kg	☼	07/26/14 02:40	07/27/14 00:00	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*213*	*X*	*20 - 150*	*07/26/14 02:40*	*07/27/14 00:00*	*100*
Tetrachloro-m-xylene (Surr)	*99*		*30 - 150*	*07/26/14 02:40*	*07/27/14 00:00*	*100*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.2**		0.10	0.10	%			07/23/14 14:45	1
Percent Solids	**92**		0.10	0.10	%			07/23/14 14:45	1

Client Sample ID: SSHS-FB7-DUP3 Lab Sample ID: 180-35053-46

Date Collected: 07/21/14 00:00 **Matrix: Solid**
Date Received: 07/22/14 08:55 **Percent Solids: 96.6**

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		86	13	ug/Kg	☼	07/26/14 02:40	07/28/14 00:32	100
PCB-1221	ND		86	16	ug/Kg	☼	07/26/14 02:40	07/28/14 00:32	100
PCB-1232	ND		86	15	ug/Kg	☼	07/26/14 02:40	07/28/14 00:32	100
PCB-1242	ND		86	14	ug/Kg	☼	07/26/14 02:40	07/28/14 00:32	100
PCB-1248	**6800**		86	8.1	ug/Kg	☼	07/26/14 02:40	07/28/14 00:32	100
PCB-1254	**2500**		86	12	ug/Kg	☼	07/26/14 02:40	07/28/14 00:32	100
PCB-1260	ND		86	12	ug/Kg	☼	07/26/14 02:40	07/28/14 00:32	100
PCB-1262	ND		86	19	ug/Kg	☼	07/26/14 02:40	07/28/14 00:32	100
PCB-1268	ND		86	11	ug/Kg	☼	07/26/14 02:40	07/28/14 00:32	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*242*	*X D*	*20 - 150*	*07/26/14 02:40*	*07/28/14 00:32*	*100*

Client Sample ID: SSHS-FB7-DUP3

Lab Sample ID: 180-35053-46

Date Collected: 07/21/14 00:00
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 96.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*106*	*D*	*30 - 150*	*07/26/14 02:40*	*07/28/14 00:32*	*100*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**3.4**		0.10	0.10	%			07/23/14 14:45	1
Percent Solids	**97**		0.10	0.10	%			07/23/14 14:45	1

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

Lab Sample ID: MB 180-112620/5
Matrix: Water
Analysis Batch: 112620

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			07/25/14 12:26	1
Benzene	ND		1.0	0.11	ug/L			07/25/14 12:26	1
Bromoform	ND		1.0	0.19	ug/L			07/25/14 12:26	1
Bromomethane	ND		1.0	0.31	ug/L			07/25/14 12:26	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			07/25/14 12:26	1
Carbon disulfide	ND		1.0	0.21	ug/L			07/25/14 12:26	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			07/25/14 12:26	1
Chlorobenzene	ND		1.0	0.14	ug/L			07/25/14 12:26	1
Chlorobromomethane	ND		1.0	0.18	ug/L			07/25/14 12:26	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			07/25/14 12:26	1
Chloroethane	ND		1.0	0.21	ug/L			07/25/14 12:26	1
Chloroform	ND		1.0	0.17	ug/L			07/25/14 12:26	1
Chloromethane	ND		1.0	0.28	ug/L			07/25/14 12:26	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			07/25/14 12:26	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			07/25/14 12:26	1
Cyclohexane	ND		1.0	0.25	ug/L			07/25/14 12:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			07/25/14 12:26	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			07/25/14 12:26	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/25/14 12:26	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			07/25/14 12:26	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			07/25/14 12:26	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			07/25/14 12:26	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			07/25/14 12:26	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			07/25/14 12:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/25/14 12:26	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			07/25/14 12:26	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			07/25/14 12:26	1
1,4-Dioxane	ND		200	34	ug/L			07/25/14 12:26	1
Ethylbenzene	ND		1.0	0.23	ug/L			07/25/14 12:26	1
2-Hexanone	ND		5.0	0.16	ug/L			07/25/14 12:26	1
Isopropylbenzene	ND		1.0	0.16	ug/L			07/25/14 12:26	1
Methyl acetate	ND		1.0	0.14	ug/L			07/25/14 12:26	1
Methylcyclohexane	ND		1.0	0.26	ug/L			07/25/14 12:26	1
Methylene Chloride	ND		1.0	0.13	ug/L			07/25/14 12:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			07/25/14 12:26	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			07/25/14 12:26	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			07/25/14 12:26	1
o-Xylene	ND		1.0	0.11	ug/L			07/25/14 12:26	1
Styrene	ND		1.0	0.097	ug/L			07/25/14 12:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			07/25/14 12:26	1
Tetrachloroethene	ND		1.0	0.15	ug/L			07/25/14 12:26	1
Toluene	ND		1.0	0.15	ug/L			07/25/14 12:26	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			07/25/14 12:26	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			07/25/14 12:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			07/25/14 12:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			07/25/14 12:26	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			07/25/14 12:26	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/25/14 12:26	1

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

Lab Sample ID: MB 180-112620/5
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 112620

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.0	0.14	ug/L			07/25/14 12:26	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			07/25/14 12:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			07/25/14 12:26	1
Vinyl chloride	ND		1.0	0.23	ug/L			07/25/14 12:26	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/25/14 12:26*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 118*		*07/25/14 12:26*	*1*
Dibromofluoromethane (Surr)	*111*		*70 - 128*		*07/25/14 12:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*64 - 135*		*07/25/14 12:26*	*1*
Toluene-d8 (Surr)	*100*		*71 - 118*		*07/25/14 12:26*	*1*

Lab Sample ID: LCS 180-112620/7
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 112620

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10.0	10.1		ug/L		101	22 - 150
Benzene	10.0	11.8		ug/L		118	80 - 120
Bromoform	10.0	10.9		ug/L		109	46 - 150
Bromomethane	10.0	9.21		ug/L		92	33 - 150
2-Butanone (MEK)	10.0	10.2		ug/L		102	39 - 138
Carbon disulfide	10.0	10.7		ug/L		107	54 - 132
Carbon tetrachloride	10.0	11.6		ug/L		116	55 - 150
Chlorobenzene	10.0	11.5		ug/L		115	80 - 120
Chlorobromomethane	10.0	11.0		ug/L		110	70 - 127
Chlorodibromomethane	10.0	11.9		ug/L		119	60 - 140
Chloroethane	10.0	11.5		ug/L		115	36 - 142
Chloroform	10.0	11.4		ug/L		114	72 - 127
Chloromethane	10.0	12.0		ug/L		120	50 - 139
cis-1,2-Dichloroethene	10.0	11.1		ug/L		111	70 - 120
cis-1,3-Dichloropropene	10.0	12.0		ug/L		120	66 - 120
Cyclohexane	10.0	11.1		ug/L		111	45 - 142
1,2-Dibromo-3-Chloropropane	10.0	10.9		ug/L		109	37 - 133
1,2-Dibromoethane	10.0	11.0		ug/L		110	74 - 123
1,2-Dichlorobenzene	10.0	11.3		ug/L		113	77 - 120
1,3-Dichlorobenzene	10.0	11.5		ug/L		115	76 - 120
1,4-Dichlorobenzene	10.0	11.2		ug/L		112	77 - 120
Dichlorobromomethane	10.0	11.3		ug/L		113	66 - 130
Dichlorodifluoromethane	10.0	9.77		ug/L		98	13 - 150
1,1-Dichloroethane	10.0	11.6		ug/L		116	73 - 126
1,2-Dichloroethane	10.0	11.3		ug/L		113	68 - 132
1,1-Dichloroethene	10.0	11.2		ug/L		112	65 - 136
1,2-Dichloropropane	10.0	11.6		ug/L		116	76 - 124
Ethylbenzene	10.0	11.1		ug/L		111	72 - 126

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

Lab Sample ID: LCS 180-112620/7 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 112620

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	10.0	9.61		ug/L		96	25 - 132
Isopropylbenzene	10.0	11.5		ug/L		115	58 - 130
Methylcyclohexane	10.0	10.3		ug/L		103	45 - 145
Methylene Chloride	10.0	11.4		ug/L		114	63 - 129
4-Methyl-2-pentanone (MIBK)	10.0	11.7		ug/L		117	45 - 145
Methyl tert-butyl ether	10.0	10.6		ug/L		106	64 - 123
m-Xylene & p-Xylene	10.0	11.4		ug/L		114	73 - 130
o-Xylene	10.0	11.4		ug/L		114	72 - 124
Styrene	10.0	11.9		ug/L		119	71 - 127
1,1,2,2-Tetrachloroethane	10.0	12.0		ug/L		120	62 - 125
Tetrachloroethene	10.0	11.5		ug/L		115	70 - 135
Toluene	10.0	11.8		ug/L		118	80 - 123
trans-1,2-Dichloroethene	10.0	11.2		ug/L		112	73 - 126
trans-1,3-Dichloropropene	10.0	12.7	*	ug/L		127	65 - 125
1,2,3-Trichlorobenzene	10.0	11.5		ug/L		115	59 - 127
1,2,4-Trichlorobenzene	10.0	11.6		ug/L		116	60 - 127
1,1,1-Trichloroethane	10.0	10.3		ug/L		103	63 - 133
1,1,2-Trichloroethane	10.0	12.0		ug/L		120	77 - 127
Trichloroethene	10.0	11.4		ug/L		114	73 - 120
Trichlorofluoromethane	10.0	8.68		ug/L		87	44 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	11.0		ug/L		110	46 - 148
Vinyl chloride	10.0	11.4		ug/L		114	53 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 118*
Dibromofluoromethane (Surr)	*100*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 135*
Toluene-d8 (Surr)	*99*		*71 - 118*

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-112281/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 112277 **Prep Batch: 112281**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Benzene	ND		5.0	0.68	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Bromoform	ND		5.0	0.44	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Bromomethane	ND		5.0	0.74	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Chloroethane	ND		5.0	1.5	ug/Kg		07/23/14 03:44	07/23/14 06:02	1

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

Lab Sample ID: MB 180-112281/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 112277
Prep Batch: 112281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		5.0	0.58	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Chloromethane	ND		5.0	0.85	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Cyclohexane	ND		5.0	0.37	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
1,4-Dioxane	ND		1000	280	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
2-Hexanone	ND		5.0	0.69	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Methyl acetate	ND		5.0	0.90	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
o-Xylene	ND		5.0	0.78	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Styrene	ND		5.0	0.71	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Toluene	ND		5.0	0.73	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Trichloroethene	ND		5.0	0.66	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		07/23/14 03:44	07/23/14 06:02	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		07/23/14 03:44	07/23/14 06:02	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*07/23/14 03:44*	*07/23/14 06:02*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*07/23/14 03:44*	*07/23/14 06:02*	*1*

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

Lab Sample ID: MB 180-112281/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 112277 **Prep Batch: 112281**

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*68 - 121*	*07/23/14 03:44*	*07/23/14 06:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*52 - 124*	*07/23/14 03:44*	*07/23/14 06:02*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*07/23/14 03:44*	*07/23/14 06:02*	*1*

Lab Sample ID: LCS 180-112281/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 112277 **Prep Batch: 112281**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	32.4		ug/Kg		81	20 - 150
Benzene	40.0	38.8		ug/Kg		97	77 - 120
Bromoform	40.0	32.6		ug/Kg		82	53 - 140
Bromomethane	40.0	45.0		ug/Kg		113	25 - 150
2-Butanone (MEK)	40.0	32.8		ug/Kg		82	35 - 149
Carbon disulfide	40.0	47.5		ug/Kg		119	50 - 127
Carbon tetrachloride	40.0	42.6		ug/Kg		107	69 - 122
Chlorobenzene	40.0	36.8		ug/Kg		92	79 - 120
Chlorobromomethane	40.0	37.3		ug/Kg		93	67 - 126
Chlorodibromomethane	40.0	37.7		ug/Kg		94	70 - 132
Chloroethane	40.0	43.4		ug/Kg		108	22 - 150
Chloroform	40.0	40.0		ug/Kg		100	72 - 120
Chloromethane	40.0	42.6		ug/Kg		106	44 - 131
cis-1,2-Dichloroethene	40.0	39.3		ug/Kg		98	80 - 118
cis-1,3-Dichloropropene	40.0	34.1		ug/Kg		85	73 - 120
Cyclohexane	40.0	42.4		ug/Kg		106	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	32.8		ug/Kg		82	35 - 136
1,2-Dibromoethane	40.0	36.6		ug/Kg		91	70 - 131
1,2-Dichlorobenzene	40.0	37.8		ug/Kg		95	71 - 124
1,3-Dichlorobenzene	40.0	37.5		ug/Kg		94	75 - 118
1,4-Dichlorobenzene	40.0	37.3		ug/Kg		93	77 - 116
Dichlorobromomethane	40.0	35.6		ug/Kg		89	70 - 125
Dichlorodifluoromethane	40.0	46.7		ug/Kg		117	25 - 150
1,1-Dichloroethane	40.0	41.3		ug/Kg		103	66 - 124
1,2-Dichloroethane	40.0	38.7		ug/Kg		97	61 - 127
1,1-Dichloroethene	40.0	45.5		ug/Kg		114	59 - 129
1,2-Dichloropropane	40.0	35.8		ug/Kg		89	72 - 122
Ethylbenzene	40.0	38.0		ug/Kg		95	78 - 125
2-Hexanone	40.0	34.1		ug/Kg		85	32 - 150
Isopropylbenzene	40.0	39.5		ug/Kg		99	70 - 133
Methyl acetate	200	200		ug/Kg		100	27 - 142
Methylcyclohexane	40.0	37.8		ug/Kg		94	66 - 135
Methylene Chloride	40.0	34.7		ug/Kg		87	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	37.1		ug/Kg		93	44 - 148
Methyl tert-butyl ether	40.0	40.3		ug/Kg		101	48 - 132
m-Xylene & p-Xylene	40.0	38.1		ug/Kg		95	75 - 126
o-Xylene	40.0	38.3		ug/Kg		96	83 - 127
Styrene	40.0	38.2		ug/Kg		95	83 - 129
1,1,2,2-Tetrachloroethane	40.0	33.8		ug/Kg		85	60 - 139

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35053-1

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

Lab Sample ID: LCS 180-112281/2-A
Matrix: Solid
Analysis Batch: 112277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	40.0	38.7		ug/Kg		97	78 - 129
Toluene	40.0	39.6		ug/Kg		99	78 - 124
trans-1,2-Dichloroethene	40.0	43.2		ug/Kg		108	77 - 121
trans-1,3-Dichloropropene	40.0	37.7		ug/Kg		94	74 - 129
1,2,3-Trichlorobenzene	40.0	34.4		ug/Kg		86	37 - 144
1,2,4-Trichlorobenzene	40.0	35.2		ug/Kg		88	51 - 136
1,1,1-Trichloroethane	40.0	45.3		ug/Kg		113	67 - 126
1,1,2-Trichloroethane	40.0	36.3		ug/Kg		91	70 - 128
Trichloroethene	40.0	35.9		ug/Kg		90	76 - 119
Trichlorofluoromethane	40.0	47.7		ug/Kg		119	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	48.9		ug/Kg		122	55 - 130
Vinyl chloride	40.0	41.7		ug/Kg		104	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*63 - 120*
Dibromofluoromethane (Surr)	*101*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*100*		*52 - 124*
Toluene-d8 (Surr)	*99*		*72 - 127*

Lab Sample ID: 180-35053-2 MS
Matrix: Solid
Analysis Batch: 112277

Client Sample ID: SSHS-FB5-A-SUB-1.5
Prep Type: Total/NA
Prep Batch: 112281

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		44.4	31.4		ug/Kg	☼	71	20 - 150
Benzene	ND		44.4	46.1		ug/Kg	☼	104	77 - 120
Bromoform	ND		44.4	33.0		ug/Kg	☼	74	53 - 140
Bromomethane	ND		44.4	54.1		ug/Kg	☼	122	25 - 150
2-Butanone (MEK)	ND		44.4	27.6		ug/Kg	☼	62	35 - 149
Carbon disulfide	ND		44.4	57.4	F1	ug/Kg	☼	129	50 - 127
Carbon tetrachloride	ND		44.4	54.3		ug/Kg	☼	122	69 - 122
Chlorobenzene	ND		44.4	44.7		ug/Kg	☼	101	79 - 120
Chlorobromomethane	ND		44.4	41.8		ug/Kg	☼	94	67 - 126
Chlorodibromomethane	ND		44.4	42.7		ug/Kg	☼	96	70 - 132
Chloroethane	ND		44.4	52.3		ug/Kg	☼	118	22 - 150
Chloroform	ND		44.4	48.3		ug/Kg	☼	109	72 - 120
Chloromethane	ND		44.4	50.4		ug/Kg	☼	114	44 - 131
cis-1,2-Dichloroethene	ND		44.4	46.1		ug/Kg	☼	104	80 - 118
cis-1,3-Dichloropropene	ND		44.4	39.6		ug/Kg	☼	89	73 - 120
Cyclohexane	ND		44.4	47.2		ug/Kg	☼	106	64 - 130
1,2-Dibromo-3-Chloropropane	ND		44.4	36.6		ug/Kg	☼	83	35 - 136
1,2-Dibromoethane	ND		44.4	37.1		ug/Kg	☼	84	70 - 131
1,2-Dichlorobenzene	ND		44.4	46.1		ug/Kg	☼	104	71 - 124
1,3-Dichlorobenzene	ND		44.4	46.8		ug/Kg	☼	106	75 - 118
1,4-Dichlorobenzene	ND		44.4	46.2		ug/Kg	☼	104	77 - 116
Dichlorobromomethane	ND		44.4	42.4		ug/Kg	☼	96	70 - 125
Dichlorodifluoromethane	ND		44.4	55.5		ug/Kg	☼	125	25 - 150

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

Lab Sample ID: 180-35053-2 MS
Client Sample ID: SSHS-FB5-A-SUB-1.5
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 112277
Prep Batch: 112281

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		44.4	50.3		ug/Kg	☼	113	66 - 124
1,2-Dichloroethane	ND		44.4	40.5		ug/Kg	☼	91	61 - 127
1,1-Dichloroethene	ND		44.4	49.8		ug/Kg	☼	112	59 - 129
1,2-Dichloropropane	ND		44.4	42.8		ug/Kg	☼	97	72 - 122
Ethylbenzene	ND		44.4	46.6		ug/Kg	☼	105	78 - 125
2-Hexanone	ND		44.4	33.6		ug/Kg	☼	76	32 - 150
Isopropylbenzene	ND		44.4	44.3		ug/Kg	☼	100	70 - 133
Methyl acetate	ND		222	157		ug/Kg	☼	71	27 - 142
Methylcyclohexane	ND		44.4	39.7		ug/Kg	☼	89	66 - 135
Methylene Chloride	ND		44.4	39.8		ug/Kg	☼	90	58 - 127
4-Methyl-2-pentanone (MIBK)	ND		44.4	34.7		ug/Kg	☼	78	44 - 148
Methyl tert-butyl ether	ND		44.4	40.2		ug/Kg	☼	91	48 - 132
m-Xylene & p-Xylene	ND		44.4	46.1		ug/Kg	☼	104	75 - 126
o-Xylene	ND		44.4	37.2		ug/Kg	☼	84	83 - 127
Styrene	ND		44.4	35.3	F1	ug/Kg	☼	79	83 - 129
1,1,2,2-Tetrachloroethane	ND		44.4	32.8		ug/Kg	☼	74	60 - 139
Tetrachloroethene	ND		44.4	47.7		ug/Kg	☼	108	78 - 129
Toluene	ND		44.4	49.4		ug/Kg	☼	111	78 - 124
trans-1,2-Dichloroethene	ND		44.4	50.8		ug/Kg	☼	114	77 - 121
trans-1,3-Dichloropropene	ND		44.4	42.7		ug/Kg	☼	96	74 - 129
1,2,3-Trichlorobenzene	ND		44.4	31.4		ug/Kg	☼	71	37 - 144
1,2,4-Trichlorobenzene	ND		44.4	35.7		ug/Kg	☼	81	51 - 136
1,1,1-Trichloroethane	ND		44.4	55.8		ug/Kg	☼	126	67 - 126
1,1,2-Trichloroethane	ND		44.4	40.0		ug/Kg	☼	90	70 - 128
Trichloroethene	20		44.4	71.1		ug/Kg	☼	116	76 - 119
Trichlorofluoromethane	ND		44.4	61.0		ug/Kg	☼	137	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		44.4	55.3		ug/Kg	☼	125	55 - 130
Vinyl chloride	ND		44.4	50.6		ug/Kg	☼	114	63 - 124

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*63 - 120*
Dibromofluoromethane (Surr)	*98*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*86*		*52 - 124*
Toluene-d8 (Surr)	*105*		*72 - 127*

Lab Sample ID: 180-35053-2 MSD
Client Sample ID: SSHS-FB5-A-SUB-1.5
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 112277
Prep Batch: 112281

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		46.7	32.5		ug/Kg	☼	70	20 - 150	3	40
Benzene	ND		46.7	49.8		ug/Kg	☼	107	77 - 120	8	20
Bromoform	ND		46.7	39.7		ug/Kg	☼	85	53 - 140	18	23
Bromomethane	ND		46.7	57.6		ug/Kg	☼	123	25 - 150	6	40
2-Butanone (MEK)	ND		46.7	31.3		ug/Kg	☼	67	35 - 149	12	36
Carbon disulfide	ND		46.7	63.1	F1	ug/Kg	☼	135	50 - 127	10	23
Carbon tetrachloride	ND		46.7	56.8		ug/Kg	☼	122	69 - 122	5	22

QC Sample Results

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

Lab Sample ID: 180-35053-2 MSD
Matrix: Solid
Analysis Batch: 112277

Client Sample ID: SSHS-FB5-A-SUB-1.5
Prep Type: Total/NA
Prep Batch: 112281

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	ND		46.7	47.6		ug/Kg	☼	102	79 - 120	6	20
Chlorobromomethane	ND		46.7	44.7		ug/Kg	☼	96	67 - 126	7	29
Chlorodibromomethane	ND		46.7	53.9	F2	ug/Kg	☼	115	70 - 132	23	20
Chloroethane	ND		46.7	55.0		ug/Kg	☼	118	22 - 150	5	40
Chloroform	ND		46.7	51.9		ug/Kg	☼	111	72 - 120	7	25
Chloromethane	ND		46.7	55.1		ug/Kg	☼	118	44 - 131	9	27
cis-1,2-Dichloroethene	ND		46.7	50.9		ug/Kg	☼	109	80 - 118	10	20
cis-1,3-Dichloropropene	ND		46.7	43.7		ug/Kg	☼	94	73 - 120	10	20
Cyclohexane	ND		46.7	49.6		ug/Kg	☼	106	64 - 130	5	21
1,2-Dibromo-3-Chloropropane	ND		46.7	39.8		ug/Kg	☼	85	35 - 136	8	40
1,2-Dibromoethane	ND		46.7	39.8		ug/Kg	☼	85	70 - 131	7	20
1,2-Dichlorobenzene	ND		46.7	46.5		ug/Kg	☼	100	71 - 124	1	22
1,3-Dichlorobenzene	ND		46.7	48.7		ug/Kg	☼	104	75 - 118	4	20
1,4-Dichlorobenzene	ND		46.7	47.1		ug/Kg	☼	101	77 - 116	2	20
Dichlorobromomethane	ND		46.7	45.3		ug/Kg	☼	97	70 - 125	7	21
Dichlorodifluoromethane	ND		46.7	59.9		ug/Kg	☼	128	25 - 150	7	34
1,1-Dichloroethane	ND		46.7	53.7		ug/Kg	☼	115	66 - 124	6	23
1,2-Dichloroethane	ND		46.7	44.5		ug/Kg	☼	95	61 - 127	9	23
1,1-Dichloroethene	ND		46.7	57.1		ug/Kg	☼	122	59 - 129	14	25
1,2-Dichloropropane	ND		46.7	44.9		ug/Kg	☼	96	72 - 122	5	20
Ethylbenzene	ND		46.7	50.1		ug/Kg	☼	107	78 - 125	7	21
2-Hexanone	ND		46.7	43.9		ug/Kg	☼	94	32 - 150	27	32
Isopropylbenzene	ND		46.7	51.4		ug/Kg	☼	110	70 - 133	15	22
Methyl acetate	ND		233	176		ug/Kg	☼	75	27 - 142	11	40
Methylcyclohexane	ND		46.7	41.5		ug/Kg	☼	89	66 - 135	4	23
Methylene Chloride	ND		46.7	45.8		ug/Kg	☼	98	58 - 127	14	28
4-Methyl-2-pentanone (MIBK)	ND		46.7	46.5		ug/Kg	☼	100	44 - 148	29	30
Methyl tert-butyl ether	ND		46.7	43.8		ug/Kg	☼	94	48 - 132	9	36
m-Xylene & p-Xylene	ND		46.7	48.7		ug/Kg	☼	104	75 - 126	5	21
o-Xylene	ND		46.7	49.1	F2	ug/Kg	☼	105	83 - 127	28	20
Styrene	ND		46.7	47.0	F2	ug/Kg	☼	101	83 - 129	29	20
1,1,2,2-Tetrachloroethane	ND		46.7	38.1		ug/Kg	☼	82	60 - 139	15	24
Tetrachloroethene	ND		46.7	60.1	F2	ug/Kg	☼	129	78 - 129	23	20
Toluene	ND		46.7	61.4	F1 F2	ug/Kg	☼	132	78 - 124	22	21
trans-1,2-Dichloroethene	ND		46.7	54.2		ug/Kg	☼	116	77 - 121	7	20
trans-1,3-Dichloropropene	ND		46.7	54.4	F2	ug/Kg	☼	117	74 - 129	24	20
1,2,3-Trichlorobenzene	ND		46.7	33.7		ug/Kg	☼	72	37 - 144	7	40
1,2,4-Trichlorobenzene	ND		46.7	38.8		ug/Kg	☼	83	51 - 136	8	40
1,1,1-Trichloroethane	ND		46.7	58.5		ug/Kg	☼	125	67 - 126	5	31
1,1,2-Trichloroethane	ND		46.7	50.7	F2	ug/Kg	☼	109	70 - 128	24	22
Trichloroethene	20		46.7	71.2		ug/Kg	☼	110	76 - 119	0	21
Trichlorofluoromethane	ND		46.7	61.9		ug/Kg	☼	133	20 - 150	2	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		46.7	60.0		ug/Kg	☼	129	55 - 130	8	37
Vinyl chloride	ND		46.7	54.7		ug/Kg	☼	117	63 - 124	8	27

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*

QC Sample Results

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

Lab Sample ID: 180-35053-2 MSD
Matrix: Solid
Analysis Batch: 112277

Client Sample ID: SSHS-FB5-A-SUB-1.5
Prep Type: Total/NA
Prep Batch: 112281

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*88*		*52 - 124*
Toluene-d8 (Surr)	*126*		*72 - 127*

Lab Sample ID: MB 180-112413/1-A
Matrix: Solid
Analysis Batch: 112409

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112413

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Benzene	ND		5.0	0.68	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Bromoform	ND		5.0	0.44	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Bromomethane	ND		5.0	0.74	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Chloroethane	ND		5.0	1.5	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Chloroform	ND		5.0	0.58	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Chloromethane	ND		5.0	0.85	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Cyclohexane	ND		5.0	0.37	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
1,4-Dioxane	ND		1000	280	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
2-Hexanone	ND		5.0	0.69	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Methyl acetate	ND		5.0	0.90	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
o-Xylene	ND		5.0	0.78	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Styrene	ND		5.0	0.71	ug/Kg		07/24/14 04:02	07/24/14 06:42	1

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35053-1

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

Lab Sample ID: MB 180-112413/1-A
Matrix: Solid
Analysis Batch: 112409

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112413

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Toluene	ND		5.0	0.73	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Trichloroethene	ND		5.0	0.66	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		07/24/14 04:02	07/24/14 06:42	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		07/24/14 04:02	07/24/14 06:42	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*07/24/14 04:02*	*07/24/14 06:42*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*07/24/14 04:02*	*07/24/14 06:42*	*1*
Dibromofluoromethane (Surr)	*98*		*68 - 121*	*07/24/14 04:02*	*07/24/14 06:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*52 - 124*	*07/24/14 04:02*	*07/24/14 06:42*	*1*
Toluene-d8 (Surr)	*99*		*72 - 127*	*07/24/14 04:02*	*07/24/14 06:42*	*1*

Lab Sample ID: LCS 180-112413/2-A
Matrix: Solid
Analysis Batch: 112409

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112413

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	28.7		ug/Kg		72	20 - 150
Benzene	40.0	39.4		ug/Kg		98	77 - 120
Bromoform	40.0	36.8		ug/Kg		92	53 - 140
Bromomethane	40.0	42.0		ug/Kg		105	25 - 150
2-Butanone (MEK)	40.0	31.8		ug/Kg		80	35 - 149
Carbon disulfide	40.0	45.8		ug/Kg		115	50 - 127
Carbon tetrachloride	40.0	44.5		ug/Kg		111	69 - 122
Chlorobenzene	40.0	39.2		ug/Kg		98	79 - 120
Chlorobromomethane	40.0	37.6		ug/Kg		94	67 - 126
Chlorodibromomethane	40.0	38.3		ug/Kg		96	70 - 132
Chloroethane	40.0	42.4		ug/Kg		106	22 - 150
Chloroform	40.0	41.4		ug/Kg		103	72 - 120
Chloromethane	40.0	41.2		ug/Kg		103	44 - 131
cis-1,2-Dichloroethene	40.0	40.2		ug/Kg		100	80 - 118
cis-1,3-Dichloropropene	40.0	37.2		ug/Kg		93	73 - 120
Cyclohexane	40.0	41.6		ug/Kg		104	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	37.6		ug/Kg		94	35 - 136
1,2-Dibromoethane	40.0	38.4		ug/Kg		96	70 - 131
1,2-Dichlorobenzene	40.0	38.7		ug/Kg		97	71 - 124

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

Lab Sample ID: LCS 180-112413/2-A
Matrix: Solid
Analysis Batch: 112409

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112413

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	40.0	39.3		ug/Kg		98	75 - 118
1,4-Dichlorobenzene	40.0	39.1		ug/Kg		98	77 - 116
Dichlorobromomethane	40.0	37.3		ug/Kg		93	70 - 125
Dichlorodifluoromethane	40.0	46.0		ug/Kg		115	25 - 150
1,1-Dichloroethane	40.0	40.9		ug/Kg		102	66 - 124
1,2-Dichloroethane	40.0	41.7		ug/Kg		104	61 - 127
1,1-Dichloroethene	40.0	44.8		ug/Kg		112	59 - 129
1,2-Dichloropropane	40.0	38.0		ug/Kg		95	72 - 122
Ethylbenzene	40.0	40.5		ug/Kg		101	78 - 125
2-Hexanone	40.0	34.3		ug/Kg		86	32 - 150
Isopropylbenzene	40.0	41.1		ug/Kg		103	70 - 133
Methyl acetate	200	198		ug/Kg		99	27 - 142
Methylcyclohexane	40.0	38.4		ug/Kg		96	66 - 135
Methylene Chloride	40.0	36.4		ug/Kg		91	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	38.3		ug/Kg		96	44 - 148
Methyl tert-butyl ether	40.0	41.5		ug/Kg		104	48 - 132
m-Xylene & p-Xylene	40.0	40.1		ug/Kg		100	75 - 126
o-Xylene	40.0	39.8		ug/Kg		99	83 - 127
Styrene	40.0	39.6		ug/Kg		99	83 - 129
1,1,2,2-Tetrachloroethane	40.0	38.5		ug/Kg		96	60 - 139
Tetrachloroethene	40.0	40.1		ug/Kg		100	78 - 129
Toluene	40.0	40.2		ug/Kg		101	78 - 124
trans-1,2-Dichloroethene	40.0	42.5		ug/Kg		106	77 - 121
trans-1,3-Dichloropropene	40.0	40.3		ug/Kg		101	74 - 129
1,2,3-Trichlorobenzene	40.0	37.1		ug/Kg		93	37 - 144
1,2,4-Trichlorobenzene	40.0	38.6		ug/Kg		96	51 - 136
1,1,1-Trichloroethane	40.0	43.8		ug/Kg		110	67 - 126
1,1,2-Trichloroethane	40.0	38.0		ug/Kg		95	70 - 128
Trichloroethene	40.0	37.5		ug/Kg		94	76 - 119
Trichlorofluoromethane	40.0	38.7		ug/Kg		97	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	47.6		ug/Kg		119	55 - 130
Vinyl chloride	40.0	40.5		ug/Kg		101	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*
Dibromofluoromethane (Surr)	*99*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*
Toluene-d8 (Surr)	*98*		*72 - 127*

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

Lab Sample ID: MB 180-112566/1-A
Matrix: Solid
Analysis Batch: 112599

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112566

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		6.7	0.64	ug/Kg		07/25/14 03:00	07/25/14 09:10	1

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

Lab Sample ID: MB 180-112566/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 112599 **Prep Batch: 112566**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		6.7	0.76	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Acetophenone	ND		33	2.7	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Anthracene	ND		6.7	0.65	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Atrazine	ND		33	3.2	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Benzaldehyde	ND		33	5.0	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Benzo[a]anthracene	ND		6.7	0.84	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Benzo[a]pyrene	ND		6.7	0.67	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Benzo[b]fluoranthene	ND		6.7	1.0	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Benzo[g,h,i]perylene	ND		6.7	0.66	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Benzo[k]fluoranthene	ND		6.7	1.3	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
1,1'-Biphenyl	ND		33	3.0	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Bis(2-chloroethoxy)methane	ND		33	2.2	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Bis(2-chloroethyl)ether	ND		6.7	0.90	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Bis(2-ethylhexyl) phthalate	ND		67	5.4	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
4-Bromophenyl phenyl ether	ND		33	2.9	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Butyl benzyl phthalate	ND		33	4.6	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Caprolactam	ND		170	25	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Carbazole	ND		6.7	0.61	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
4-Chloroaniline	ND		33	2.7	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
4-Chloro-3-methylphenol	ND		33	3.1	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2-Chloronaphthalene	ND		6.7	0.70	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2-Chlorophenol	ND		33	2.7	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
4-Chlorophenyl phenyl ether	ND		33	3.7	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Chrysene	ND		6.7	0.79	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Dibenz(a,h)anthracene	ND		6.7	0.74	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Dibenzofuran	ND		33	3.3	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
3,3'-Dichlorobenzidine	ND		33	3.5	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2,4-Dichlorophenol	ND		6.7	0.67	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Diethyl phthalate	ND		33	3.6	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2,4-Dimethylphenol	ND		33	5.2	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Dimethyl phthalate	ND		33	3.6	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Di-n-butyl phthalate	ND		33	4.2	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
4,6-Dinitro-2-methylphenol	ND		170	13	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2,4-Dinitrophenol	ND		170	40	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2,4-Dinitrotoluene	ND		33	2.7	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2,6-Dinitrotoluene	ND		33	3.4	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Di-n-octyl phthalate	ND		33	3.5	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Fluoranthene	ND		6.7	0.71	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Fluorene	ND		6.7	0.88	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Hexachlorobenzene	ND		6.7	0.71	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Hexachlorobutadiene	ND		6.7	0.75	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Hexachlorocyclopentadiene	ND		33	3.6	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Hexachloroethane	ND		33	2.4	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Indeno[1,2,3-cd]pyrene	ND		6.7	0.69	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Isophorone	ND		33	2.5	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2-Methylnaphthalene	ND		6.7	0.60	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2-Methylphenol	ND		33	2.3	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Methylphenol, 3 & 4	ND		33	3.3	ug/Kg		07/25/14 03:00	07/25/14 09:10	1

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

Lab Sample ID: MB 180-112566/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 112599
Prep Batch: 112566

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		6.7	0.58	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2-Nitroaniline	ND		170	15	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
3-Nitroaniline	ND		170	14	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
4-Nitroaniline	ND		170	14	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Nitrobenzene	ND		67	2.8	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2-Nitrophenol	ND		33	3.7	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
4-Nitrophenol	ND		170	12	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
N-Nitrosodi-n-propylamine	ND		6.7	0.78	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
N-Nitrosodiphenylamine	ND		33	3.1	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2,2'-oxybis[1-chloropropane]	ND		6.7	0.72	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Pentachlorophenol	ND		33	3.0	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Phenanthrene	ND		6.7	1.1	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Phenol	ND		6.7	0.79	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Pyrene	ND		6.7	0.67	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
1,2,4,5-Tetrachlorobenzene	ND		33	2.5	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2,3,4,6-Tetrachlorophenol	ND		33	2.1	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2,4,5-Trichlorophenol	ND		33	3.6	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2,4,6-Trichlorophenol	ND		33	5.0	ug/Kg		07/25/14 03:00	07/25/14 09:10	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*07/25/14 03:00*	*07/25/14 09:10*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*28 - 108*	*07/25/14 03:00*	*07/25/14 09:10*	*1*
2-Fluorophenol (Surr)	*60*		*28 - 107*	*07/25/14 03:00*	*07/25/14 09:10*	*1*
Nitrobenzene-d5 (Surr)	*65*		*27 - 110*	*07/25/14 03:00*	*07/25/14 09:10*	*1*
Phenol-d5 (Surr)	*61*		*30 - 112*	*07/25/14 03:00*	*07/25/14 09:10*	*1*
Terphenyl-d14 (Surr)	*58*		*21 - 130*	*07/25/14 03:00*	*07/25/14 09:10*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*21 - 116*	*07/25/14 03:00*	*07/25/14 09:10*	*1*

Lab Sample ID: LCS 180-112566/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 112599
Prep Batch: 112566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	667	356		ug/Kg		53	42 - 104
Acenaphthylene	667	354		ug/Kg		53	43 - 117
Acetophenone	667	358		ug/Kg		54	30 - 150
Anthracene	667	357		ug/Kg		54	43 - 111
Atrazine	667	935		ug/Kg		140	30 - 150
Benzaldehyde	667	369		ug/Kg		55	30 - 150
Benzo[a]anthracene	667	385		ug/Kg		58	45 - 110
Benzo[a]pyrene	667	362		ug/Kg		54	42 - 114
Benzo[b]fluoranthene	667	332		ug/Kg		50	37 - 108
Benzo[g,h,i]perylene	667	382		ug/Kg		57	35 - 127
Benzo[k]fluoranthene	667	331		ug/Kg		50	39 - 115
1,1'-Biphenyl	667	331		ug/Kg		50	30 - 150

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

Lab Sample ID: LCS 180-112566/2-A
Matrix: Solid
Analysis Batch: 112599

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	667	342		ug/Kg		51	42 - 103
Bis(2-chloroethyl)ether	667	336		ug/Kg		50	40 - 100
Bis(2-ethylhexyl) phthalate	667	444		ug/Kg		67	41 - 121
4-Bromophenyl phenyl ether	667	345		ug/Kg		52	43 - 111
Butyl benzyl phthalate	667	445		ug/Kg		67	40 - 117
Caprolactam	667	425		ug/Kg		64	30 - 150
Carbazole	667	367		ug/Kg		55	42 - 114
4-Chloroaniline	667	360		ug/Kg		54	33 - 102
4-Chloro-3-methylphenol	667	422		ug/Kg		63	43 - 110
2-Chloronaphthalene	667	300		ug/Kg		45	40 - 104
2-Chlorophenol	667	346		ug/Kg		52	40 - 105
4-Chlorophenyl phenyl ether	667	353		ug/Kg		53	42 - 111
Chrysene	667	390		ug/Kg		59	44 - 108
Dibenz(a,h)anthracene	667	379		ug/Kg		57	34 - 131
Dibenzofuran	667	349		ug/Kg		52	42 - 106
3,3'-Dichlorobenzidine	667	338		ug/Kg		51	24 - 113
2,4-Dichlorophenol	667	364		ug/Kg		55	44 - 110
Diethyl phthalate	667	385		ug/Kg		58	44 - 113
2,4-Dimethylphenol	667	385		ug/Kg		58	39 - 106
Dimethyl phthalate	667	383		ug/Kg		57	44 - 111
Di-n-butyl phthalate	667	407		ug/Kg		61	44 - 120
4,6-Dinitro-2-methylphenol	1330	675		ug/Kg		51	28 - 130
2,4-Dinitrophenol	1330	649		ug/Kg		49	19 - 140
2,4-Dinitrotoluene	667	442		ug/Kg		66	48 - 118
2,6-Dinitrotoluene	667	385		ug/Kg		58	47 - 119
Di-n-octyl phthalate	667	385		ug/Kg		58	35 - 129
Fluoranthene	667	376		ug/Kg		56	40 - 118
Fluorene	667	361		ug/Kg		54	43 - 110
Hexachlorobenzene	667	346		ug/Kg		52	42 - 110
Hexachlorobutadiene	667	349		ug/Kg		52	40 - 114
Hexachlorocyclopentadiene	667	291		ug/Kg		44	10 - 150
Hexachloroethane	667	355		ug/Kg		53	40 - 102
Indeno[1,2,3-cd]pyrene	667	375		ug/Kg		56	34 - 130
Isophorone	667	416		ug/Kg		62	39 - 114
2-Methylnaphthalene	667	352		ug/Kg		53	43 - 105
2-Methylphenol	667	373		ug/Kg		56	41 - 104
Methylphenol, 3 & 4	667	362		ug/Kg		54	43 - 107
Naphthalene	667	337		ug/Kg		51	42 - 104
2-Nitroaniline	667	451		ug/Kg		68	41 - 118
3-Nitroaniline	667	373		ug/Kg		56	38 - 116
4-Nitroaniline	667	374		ug/Kg		56	37 - 120
Nitrobenzene	667	370		ug/Kg		56	40 - 109
2-Nitrophenol	667	375		ug/Kg		56	45 - 112
4-Nitrophenol	1330	937		ug/Kg		70	27 - 131
N-Nitrosodi-n-propylamine	667	368		ug/Kg		55	42 - 108
N-Nitrosodiphenylamine	667	355		ug/Kg		53	41 - 110
2,2'-oxybis[1-chloropropane]	667	340		ug/Kg		51	37 - 105
Pentachlorophenol	1330	529		ug/Kg		40	18 - 125

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

Lab Sample ID: LCS 180-112566/2-A
Matrix: Solid
Analysis Batch: 112599

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenanthrene	667	347		ug/Kg		52	41 - 107
Phenol	667	370		ug/Kg		55	39 - 105
Pyrene	667	383		ug/Kg		57	39 - 113
1,2,4,5-Tetrachlorobenzene	667	323		ug/Kg		49	30 - 125
2,3,4,6-Tetrachlorophenol	667	360		ug/Kg		54	43 - 108
2,4,5-Trichlorophenol	667	365		ug/Kg		55	42 - 110
2,4,6-Trichlorophenol	667	369		ug/Kg		55	43 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*51*		*28 - 108*
2-Fluorophenol (Surr)	*59*		*28 - 107*
Nitrobenzene-d5 (Surr)	*60*		*27 - 110*
Phenol-d5 (Surr)	*59*		*30 - 112*
Terphenyl-d14 (Surr)	*61*		*21 - 130*
2,4,6-Tribromophenol (Surr)	*57*		*21 - 116*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 180-112360/1-A
Matrix: Water
Analysis Batch: 117172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.010	0.0025	ug/L		07/23/14 14:00	07/25/14 11:09	1
PCB-1221	ND		0.010	0.0025	ug/L		07/23/14 14:00	07/25/14 11:09	1
PCB-1232	ND		0.010	0.0029	ug/L		07/23/14 14:00	07/25/14 11:09	1
PCB-1242	ND		0.010	0.0019	ug/L		07/23/14 14:00	07/25/14 11:09	1
PCB-1248	ND		0.010	0.0023	ug/L		07/23/14 14:00	07/25/14 11:09	1
PCB-1254	ND		0.010	0.0023	ug/L		07/23/14 14:00	07/25/14 11:09	1
PCB-1260	ND		0.010	0.0014	ug/L		07/23/14 14:00	07/25/14 11:09	1
PCB-1262	ND		0.010	0.0021	ug/L		07/23/14 14:00	07/25/14 11:09	1
PCB-1268	ND		0.010	0.0027	ug/L		07/23/14 14:00	07/25/14 11:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*60 - 135*	*07/23/14 14:00*	*07/25/14 11:09*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*25 - 150*	*07/23/14 14:00*	*07/25/14 11:09*	*1*

Lab Sample ID: LCS 180-112360/4-A
Matrix: Water
Analysis Batch: 117172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112360

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	0.868		ug/L		87	55 - 120
PCB-1260	1.00	0.900		ug/L		90	55 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*88*		*60 - 135*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCS 180-112360/4-A
Matrix: Water
Analysis Batch: 117172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112360

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	*86*		*25 - 150*

Lab Sample ID: LCSD 180-112360/5-A
Matrix: Water
Analysis Batch: 117172

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112360

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	1.00	0.825		ug/L		83	55 - 120	5	25
PCB-1260	1.00	0.861		ug/L		86	55 - 120	4	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*85*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*81*		*25 - 150*

Lab Sample ID: MB 180-112578/1-C
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.83	0.12	ug/Kg		07/25/14 03:30	07/26/14 03:50	1
PCB-1221	ND		0.83	0.16	ug/Kg		07/25/14 03:30	07/26/14 03:50	1
PCB-1232	ND		0.83	0.14	ug/Kg		07/25/14 03:30	07/26/14 03:50	1
PCB-1242	ND		0.83	0.14	ug/Kg		07/25/14 03:30	07/26/14 03:50	1
PCB-1248	ND		0.83	0.079	ug/Kg		07/25/14 03:30	07/26/14 03:50	1
PCB-1254	ND		0.83	0.12	ug/Kg		07/25/14 03:30	07/26/14 03:50	1
PCB-1260	ND		0.83	0.12	ug/Kg		07/25/14 03:30	07/26/14 03:50	1
PCB-1262	ND		0.83	0.18	ug/Kg		07/25/14 03:30	07/26/14 03:50	1
PCB-1268	ND		0.83	0.11	ug/Kg		07/25/14 03:30	07/26/14 03:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*75*		*20 - 150*	*07/25/14 03:30*	*07/26/14 03:50*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*30 - 150*	*07/25/14 03:30*	*07/26/14 03:50*	*1*

Lab Sample ID: LCS 180-112578/2-C
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	66.7	47.0		ug/Kg		71	50 - 120
PCB-1260	66.7	48.2		ug/Kg		72	50 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*80*		*20 - 150*
Tetrachloro-m-xylene (Surr)	*75*		*30 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: 180-35053-26 MS
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: SSHS-FB7-D-SUB-1-2
Prep Type: Total/NA
Prep Batch: 112578

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		79.3	1810	F1 D	ug/Kg	☼	2278	50 - 120
PCB-1260	ND		79.3	400	F1 D	ug/Kg	☼	505	50 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*140*	*D*	*20 - 150*
Tetrachloro-m-xylene (Surr)	*79*	*D*	*30 - 150*

Lab Sample ID: 180-35053-26 MSD
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: SSHS-FB7-D-SUB-1-2
Prep Type: Total/NA
Prep Batch: 112578

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		79.3	1760	F1 D	ug/Kg	☼	2218	50 - 120	3	30
PCB-1260	ND		79.3	376	F1 D	ug/Kg	☼	474	50 - 120	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*222*	*X D*	*20 - 150*
Tetrachloro-m-xylene (Surr)	*91*	*D*	*30 - 150*

Lab Sample ID: MB 180-112684/1-C
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112684

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.83	0.12	ug/Kg		07/26/14 02:40	07/27/14 11:36	1
PCB-1221	ND		0.83	0.16	ug/Kg		07/26/14 02:40	07/27/14 11:36	1
PCB-1232	ND		0.83	0.14	ug/Kg		07/26/14 02:40	07/27/14 11:36	1
PCB-1242	ND		0.83	0.14	ug/Kg		07/26/14 02:40	07/27/14 11:36	1
PCB-1248	ND		0.83	0.079	ug/Kg		07/26/14 02:40	07/27/14 11:36	1
PCB-1254	ND		0.83	0.12	ug/Kg		07/26/14 02:40	07/27/14 11:36	1
PCB-1260	ND		0.83	0.12	ug/Kg		07/26/14 02:40	07/27/14 11:36	1
PCB-1262	ND		0.83	0.18	ug/Kg		07/26/14 02:40	07/27/14 11:36	1
PCB-1268	ND		0.83	0.11	ug/Kg		07/26/14 02:40	07/27/14 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*20 - 150*	*07/26/14 02:40*	*07/27/14 11:36*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*30 - 150*	*07/26/14 02:40*	*07/27/14 11:36*	*1*

Lab Sample ID: LCS 180-112684/2-C
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112684

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	66.7	55.3		ug/Kg		83	50 - 120
PCB-1260	66.7	58.9		ug/Kg		88	50 - 120

QC Sample Results

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCS 180-112684/2-C
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112684

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*94*		*20 - 150*
Tetrachloro-m-xylene (Surr)	*84*		*30 - 150*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 180-112478/1-A
Matrix: Solid
Analysis Batch: 112627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112478

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	2.1	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Antimony	ND		1.0	0.20	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Arsenic	ND		1.0	0.31	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Barium	ND		20	0.013	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Beryllium	ND		0.40	0.011	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Cadmium	ND		0.50	0.014	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Calcium	7.57	J	500	1.5	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Chromium	ND		0.50	0.077	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Cobalt	ND		5.0	0.042	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Copper	ND		2.5	0.14	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Iron	ND		10	0.89	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Lead	ND		1.0	0.10	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Magnesium	ND		500	2.1	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Manganese	ND		1.5	0.089	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Nickel	ND		4.0	0.048	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Potassium	ND		500	6.4	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Selenium	ND		1.0	0.27	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Silver	ND		0.50	0.040	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Sodium	ND		500	1.1	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Thallium	ND		2.0	0.15	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Vanadium	ND		5.0	0.17	mg/Kg		07/24/14 10:44	07/25/14 08:06	1
Zinc	0.260	J	2.0	0.10	mg/Kg		07/24/14 10:44	07/25/14 08:06	1

Lab Sample ID: LCS 180-112478/2-A
Matrix: Solid
Analysis Batch: 112627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112478

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	200	195		mg/Kg		98	80 - 120
Antimony	50.0	50.2		mg/Kg		100	80 - 120
Arsenic	50.0	50.2		mg/Kg		100	80 - 120
Barium	200	199		mg/Kg		100	80 - 120
Beryllium	5.00	4.98		mg/Kg		100	80 - 120
Cadmium	5.00	4.73		mg/Kg		95	80 - 120
Calcium	5000	5050		mg/Kg		101	80 - 120
Chromium	20.0	19.6		mg/Kg		98	80 - 120
Cobalt	50.0	48.7		mg/Kg		97	80 - 120
Copper	25.0	24.1		mg/Kg		96	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-112478/2-A
Matrix: Solid
Analysis Batch: 112627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112478

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	100	100		mg/Kg		100	80 - 120
Lead	50.0	48.6		mg/Kg		97	80 - 120
Magnesium	5000	5030		mg/Kg		101	80 - 120
Manganese	50.0	47.7		mg/Kg		95	80 - 120
Nickel	50.0	49.2		mg/Kg		98	80 - 120
Potassium	5000	5080		mg/Kg		102	80 - 120
Selenium	50.0	50.4		mg/Kg		101	80 - 120
Silver	5.00	5.00		mg/Kg		100	80 - 120
Sodium	5000	5290		mg/Kg		106	80 - 120
Thallium	50.0	47.4		mg/Kg		95	80 - 120
Vanadium	50.0	51.1		mg/Kg		102	80 - 120
Zinc	50.0	48.9		mg/Kg		98	80 - 120

Lab Sample ID: 180-35053-18 MS
Matrix: Solid
Analysis Batch: 112627

Client Sample ID: SSHS-SS14-A-SS
Prep Type: Total/NA
Prep Batch: 112478

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8200		201	11000	4	mg/Kg	☼	1355	75 - 125
Antimony	ND		50.3	28.2	F1	mg/Kg	☼	56	75 - 125
Arsenic	6.4		50.3	50.0		mg/Kg	☼	87	75 - 125
Barium	94		201	274		mg/Kg	☼	90	75 - 125
Beryllium	0.43		5.03	4.85		mg/Kg	☼	88	75 - 125
Cadmium	0.027	J	5.03	4.12		mg/Kg	☼	81	75 - 125
Calcium	4500	B	5030	7830	F1	mg/Kg	☼	66	75 - 125
Chromium	11		20.1	28.6		mg/Kg	☼	89	75 - 125
Cobalt	7.9		50.3	55.7		mg/Kg	☼	95	75 - 125
Copper	13		25.1	33.6		mg/Kg	☼	80	75 - 125
Iron	17000		101	16600	4	mg/Kg	☼	-275	75 - 125
Lead	15		50.3	60.3		mg/Kg	☼	90	75 - 125
Magnesium	3500		5030	7590		mg/Kg	☼	82	75 - 125
Manganese	440		50.3	460	4	mg/Kg	☼	30	75 - 125
Nickel	18		50.3	67.0		mg/Kg	☼	97	75 - 125
Potassium	710		5030	5680		mg/Kg	☼	99	75 - 125
Selenium	0.33	J	50.3	43.7		mg/Kg	☼	86	75 - 125
Silver	ND		5.03	4.36		mg/Kg	☼	87	75 - 125
Sodium	36	J	5030	4730		mg/Kg	☼	93	75 - 125
Thallium	ND		50.3	44.6		mg/Kg	☼	89	75 - 125
Vanadium	12		50.3	60.6		mg/Kg	☼	97	75 - 125
Zinc	55	B	50.3	97.2		mg/Kg	☼	85	75 - 125

Lab Sample ID: 180-35053-18 MSD
Matrix: Solid
Analysis Batch: 112627

Client Sample ID: SSHS-SS14-A-SS
Prep Type: Total/NA
Prep Batch: 112478

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	8200		205	11500	4	mg/Kg	☼	1605	75 - 125	5	20
Antimony	ND		51.2	27.0	F1	mg/Kg	☼	53	75 - 125	4	20
Arsenic	6.4		51.2	50.2		mg/Kg	☼	86	75 - 125	0	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35053-18 MSD
Matrix: Solid
Analysis Batch: 112627

Client Sample ID: SSHS-SS14-A-SS
Prep Type: Total/NA
Prep Batch: 112478

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	94		205	275		mg/Kg	☼	88	75 - 125	0	20
Beryllium	0.43		5.12	4.87		mg/Kg	☼	87	75 - 125	0	20
Cadmium	0.027	J	5.12	4.18		mg/Kg	☼	81	75 - 125	1	20
Calcium	4500	B	5120	8520		mg/Kg	☼	78	75 - 125	8	20
Chromium	11		20.5	29.5		mg/Kg	☼	92	75 - 125	3	20
Cobalt	7.9		51.2	56.4		mg/Kg	☼	95	75 - 125	1	20
Copper	13		25.6	34.6		mg/Kg	☼	83	75 - 125	3	20
Iron	17000		102	17600	4	mg/Kg	☼	699	75 - 125	6	20
Lead	15		51.2	61.6		mg/Kg	☼	91	75 - 125	2	20
Magnesium	3500		5120	7760		mg/Kg	☼	83	75 - 125	2	20
Manganese	440		51.2	479	4	mg/Kg	☼	67	75 - 125	4	20
Nickel	18		51.2	67.7		mg/Kg	☼	97	75 - 125	1	20
Potassium	710		5120	5800		mg/Kg	☼	99	75 - 125	2	20
Selenium	0.33	J	51.2	43.6		mg/Kg	☼	84	75 - 125	0	20
Silver	ND		5.12	4.40		mg/Kg	☼	86	75 - 125	1	20
Sodium	36	J	5120	4750		mg/Kg	☼	92	75 - 125	0	20
Thallium	ND		51.2	45.2		mg/Kg	☼	88	75 - 125	1	20
Vanadium	12		51.2	61.8		mg/Kg	☼	97	75 - 125	2	20
Zinc	55	B	51.2	97.9		mg/Kg	☼	85	75 - 125	1	20

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 180-112471/1-A
Matrix: Solid
Analysis Batch: 112516

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112471

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.011	mg/Kg		07/24/14 09:36	07/24/14 14:08	1

Lab Sample ID: LCS 180-112471/2-A
Matrix: Solid
Analysis Batch: 112516

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112471

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.410	0.408		mg/Kg		99	80 - 120

Method: 2540G - SM 2540G

Lab Sample ID: 180-35053-43 DU
Matrix: Solid
Analysis Batch: 112362

Client Sample ID: SSHS-FB7-C-SUB-2-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	12		12		%		3	20
Percent Solids	88		88		%		0.4	20

Method: 2540G - SM 2540G (Continued)

Lab Sample ID: 180-35053-2 DU
Matrix: Solid
Analysis Batch: 112367

Client Sample ID: SSHS-FB5-A-SUB-1.5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	8.3		8.9		%		8	20
Percent Solids	92		91		%		0.7	20

Lab Sample ID: 180-35053-33 DU
Matrix: Solid
Analysis Batch: 112367

Client Sample ID: SSHS-FB7-B-SUB-0.17-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	15		14		%		2	20
Percent Solids	85		86		%		0.3	20

Lab Sample ID: 180-35053-26 DU
Matrix: Solid
Analysis Batch: 112369

Client Sample ID: SSHS-FB7-D-SUB-1-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	16		14		%		14	20
Percent Solids	84		86		%		3	20

GC/MS VOA

Analysis Batch: 112277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-1	SSHS-FB5-A-SS	Total/NA	Solid	8260C	112281
180-35053-2	SSHS-FB5-A-SUB-1.5	Total/NA	Solid	8260C	112281
180-35053-2 MS	SSHS-FB5-A-SUB-1.5	Total/NA	Solid	8260C	112281
180-35053-2 MSD	SSHS-FB5-A-SUB-1.5	Total/NA	Solid	8260C	112281
180-35053-3	SSHS-FB5-A-SUB-2.5	Total/NA	Solid	8260C	112281
180-35053-4	SSHS-FB5-B-SS	Total/NA	Solid	8260C	112281
180-35053-5	SSHS-FB5-B-SUB-1.5	Total/NA	Solid	8260C	112281
180-35053-6	SSHS-FB5-B-SUB-2.5	Total/NA	Solid	8260C	112281
180-35053-7	SSHS-FB5-C-SS	Total/NA	Solid	8260C	112281
180-35053-8	SSHS-FB5-C-SUB-1.5	Total/NA	Solid	8260C	112281
180-35053-9	SSHS-FB5-C-SUB-2.5	Total/NA	Solid	8260C	112281
180-35053-10	SSHS-FB5-D-SS	Total/NA	Solid	8260C	112281
180-35053-11	SSHS-FB5-D-SUB-1.5	Total/NA	Solid	8260C	112281
180-35053-12	SSHS-FB5-D-SUB-2.5	Total/NA	Solid	8260C	112281
180-35053-13	SSHS-FB5-E-SS	Total/NA	Solid	8260C	112281
180-35053-14	SSHS-FB5-E-SUB-1.5	Total/NA	Solid	8260C	112281
180-35053-16	SSHS-FB5-DUP1	Total/NA	Solid	8260C	112281
LCS 180-112281/2-A	Lab Control Sample	Total/NA	Solid	8260C	112281
MB 180-112281/1-A	Method Blank	Total/NA	Solid	8260C	112281

Prep Batch: 112281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-1	SSHS-FB5-A-SS	Total/NA	Solid	5035	
180-35053-2	SSHS-FB5-A-SUB-1.5	Total/NA	Solid	5035	
180-35053-2 MS	SSHS-FB5-A-SUB-1.5	Total/NA	Solid	5035	
180-35053-2 MSD	SSHS-FB5-A-SUB-1.5	Total/NA	Solid	5035	
180-35053-3	SSHS-FB5-A-SUB-2.5	Total/NA	Solid	5035	
180-35053-4	SSHS-FB5-B-SS	Total/NA	Solid	5035	
180-35053-5	SSHS-FB5-B-SUB-1.5	Total/NA	Solid	5035	
180-35053-6	SSHS-FB5-B-SUB-2.5	Total/NA	Solid	5035	
180-35053-7	SSHS-FB5-C-SS	Total/NA	Solid	5035	
180-35053-8	SSHS-FB5-C-SUB-1.5	Total/NA	Solid	5035	
180-35053-9	SSHS-FB5-C-SUB-2.5	Total/NA	Solid	5035	
180-35053-10	SSHS-FB5-D-SS	Total/NA	Solid	5035	
180-35053-11	SSHS-FB5-D-SUB-1.5	Total/NA	Solid	5035	
180-35053-12	SSHS-FB5-D-SUB-2.5	Total/NA	Solid	5035	
180-35053-13	SSHS-FB5-E-SS	Total/NA	Solid	5035	
180-35053-14	SSHS-FB5-E-SUB-1.5	Total/NA	Solid	5035	
180-35053-16	SSHS-FB5-DUP1	Total/NA	Solid	5035	
LCS 180-112281/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-112281/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 112409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-15	SSHS-FB5-E-SUB-2.5	Total/NA	Solid	8260C	112413
LCS 180-112413/2-A	Lab Control Sample	Total/NA	Solid	8260C	112413
MB 180-112413/1-A	Method Blank	Total/NA	Solid	8260C	112413

Prep Batch: 112413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-15	SSHS-FB5-E-SUB-2.5	Total/NA	Solid	5035	

GC/MS VOA (Continued)

Prep Batch: 112413 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-112413/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-112413/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 112620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-23	EB-20140721	Total/NA	Water	8260C	
LCS 180-112620/7	Lab Control Sample	Total/NA	Water	8260C	
MB 180-112620/5	Method Blank	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 112566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-17	SSHS-B47-A-SS	Total/NA	Solid	3541	
LCS 180-112566/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-112566/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 112599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-17	SSHS-B47-A-SS	Total/NA	Solid	8270D LL	112566
LCS 180-112566/2-A	Lab Control Sample	Total/NA	Solid	8270D LL	112566
MB 180-112566/1-A	Method Blank	Total/NA	Solid	8270D LL	112566

GC Semi VOA

Prep Batch: 112360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-23	EB-20140721	Total/NA	Water	3510C	
LCS 180-112360/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 180-112360/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 180-112360/1-A	Method Blank	Total/NA	Water	3510C	

Prep Batch: 112578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-19	SSHS-B34-A-SS	Total/NA	Solid	3541	
180-35053-20	SSHS-B46-A-SS	Total/NA	Solid	3541	
180-35053-21	SSHS-B32-A-SS	Total/NA	Solid	3541	
180-35053-22	SSHS-B9-A-SS	Total/NA	Solid	3541	
180-35053-24	SSHS-FB7-D-SS	Total/NA	Solid	3541	
180-35053-25	SSHS-FB7-D-SUB-0.17-1	Total/NA	Solid	3541	
180-35053-26	SSHS-FB7-D-SUB-1-2	Total/NA	Solid	3541	
180-35053-26 MS	SSHS-FB7-D-SUB-1-2	Total/NA	Solid	3541	
180-35053-26 MSD	SSHS-FB7-D-SUB-1-2	Total/NA	Solid	3541	
180-35053-27	SSHS-FB7-D-SUB-2-3	Total/NA	Solid	3541	
180-35053-28	SSHS-FB7-A-SS	Total/NA	Solid	3541	
180-35053-29	SSHS-FB7-A-SUB-0.17-1	Total/NA	Solid	3541	
180-35053-30	SSHS-FB7-A-SUB-1-2	Total/NA	Solid	3541	
180-35053-31	SSHS-FB7-A-SUB-2-3	Total/NA	Solid	3541	
180-35053-32	SSHS-FB7-B-SS	Total/NA	Solid	3541	
180-35053-33	SSHS-FB7-B-SUB-0.17-1	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 112578 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-34	SSHS-FB7-B-SUB-1-2	Total/NA	Solid	3541	
180-35053-35	SSHS-FB7-B-SUB-2-3	Total/NA	Solid	3541	
180-35053-36	SSHS-FB7-E-SS	Total/NA	Solid	3541	
180-35053-37	SSHS-FB7-E-SUB-0.17-1	Total/NA	Solid	3541	
180-35053-38	SSHS-FB7-E-SUB-1-2	Total/NA	Solid	3541	
180-35053-39	SSHS-FB7-E-SUB-2-3	Total/NA	Solid	3541	
LCS 180-112578/2-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-112578/1-C	Method Blank	Total/NA	Solid	3541	

Cleanup Batch: 112656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-19	SSHS-B34-A-SS	Total/NA	Solid	3665A	112578
180-35053-20	SSHS-B46-A-SS	Total/NA	Solid	3665A	112578
180-35053-21	SSHS-B32-A-SS	Total/NA	Solid	3665A	112578
180-35053-22	SSHS-B9-A-SS	Total/NA	Solid	3665A	112578
180-35053-24	SSHS-FB7-D-SS	Total/NA	Solid	3665A	112578
180-35053-25	SSHS-FB7-D-SUB-0.17-1	Total/NA	Solid	3665A	112578
180-35053-26	SSHS-FB7-D-SUB-1-2	Total/NA	Solid	3665A	112578
180-35053-26 MS	SSHS-FB7-D-SUB-1-2	Total/NA	Solid	3665A	112578
180-35053-26 MSD	SSHS-FB7-D-SUB-1-2	Total/NA	Solid	3665A	112578
180-35053-27	SSHS-FB7-D-SUB-2-3	Total/NA	Solid	3665A	112578
180-35053-28	SSHS-FB7-A-SS	Total/NA	Solid	3665A	112578
180-35053-29	SSHS-FB7-A-SUB-0.17-1	Total/NA	Solid	3665A	112578
180-35053-30	SSHS-FB7-A-SUB-1-2	Total/NA	Solid	3665A	112578
180-35053-31	SSHS-FB7-A-SUB-2-3	Total/NA	Solid	3665A	112578
180-35053-32	SSHS-FB7-B-SS	Total/NA	Solid	3665A	112578
180-35053-33	SSHS-FB7-B-SUB-0.17-1	Total/NA	Solid	3665A	112578
180-35053-34	SSHS-FB7-B-SUB-1-2	Total/NA	Solid	3665A	112578
180-35053-35	SSHS-FB7-B-SUB-2-3	Total/NA	Solid	3665A	112578
180-35053-36	SSHS-FB7-E-SS	Total/NA	Solid	3665A	112578
180-35053-37	SSHS-FB7-E-SUB-0.17-1	Total/NA	Solid	3665A	112578
180-35053-38	SSHS-FB7-E-SUB-1-2	Total/NA	Solid	3665A	112578
180-35053-39	SSHS-FB7-E-SUB-2-3	Total/NA	Solid	3665A	112578
LCS 180-112578/2-C	Lab Control Sample	Total/NA	Solid	3665A	112578
MB 180-112578/1-C	Method Blank	Total/NA	Solid	3665A	112578

Cleanup Batch: 112657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-19	SSHS-B34-A-SS	Total/NA	Solid	3660B	112656
180-35053-20	SSHS-B46-A-SS	Total/NA	Solid	3660B	112656
180-35053-21	SSHS-B32-A-SS	Total/NA	Solid	3660B	112656
180-35053-22	SSHS-B9-A-SS	Total/NA	Solid	3660B	112656
180-35053-24	SSHS-FB7-D-SS	Total/NA	Solid	3660B	112656
180-35053-25	SSHS-FB7-D-SUB-0.17-1	Total/NA	Solid	3660B	112656
180-35053-26	SSHS-FB7-D-SUB-1-2	Total/NA	Solid	3660B	112656
180-35053-26 MS	SSHS-FB7-D-SUB-1-2	Total/NA	Solid	3660B	112656
180-35053-26 MSD	SSHS-FB7-D-SUB-1-2	Total/NA	Solid	3660B	112656
180-35053-27	SSHS-FB7-D-SUB-2-3	Total/NA	Solid	3660B	112656
180-35053-28	SSHS-FB7-A-SS	Total/NA	Solid	3660B	112656
180-35053-29	SSHS-FB7-A-SUB-0.17-1	Total/NA	Solid	3660B	112656
180-35053-30	SSHS-FB7-A-SUB-1-2	Total/NA	Solid	3660B	112656

GC Semi VOA (Continued)

Cleanup Batch: 112657 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-31	SSHS-FB7-A-SUB-2-3	Total/NA	Solid	3660B	112656
180-35053-32	SSHS-FB7-B-SS	Total/NA	Solid	3660B	112656
180-35053-33	SSHS-FB7-B-SUB-0.17-1	Total/NA	Solid	3660B	112656
180-35053-34	SSHS-FB7-B-SUB-1-2	Total/NA	Solid	3660B	112656
180-35053-35	SSHS-FB7-B-SUB-2-3	Total/NA	Solid	3660B	112656
180-35053-36	SSHS-FB7-E-SS	Total/NA	Solid	3660B	112656
180-35053-37	SSHS-FB7-E-SUB-0.17-1	Total/NA	Solid	3660B	112656
180-35053-38	SSHS-FB7-E-SUB-1-2	Total/NA	Solid	3660B	112656
180-35053-39	SSHS-FB7-E-SUB-2-3	Total/NA	Solid	3660B	112656
LCS 180-112578/2-C	Lab Control Sample	Total/NA	Solid	3660B	112656
MB 180-112578/1-C	Method Blank	Total/NA	Solid	3660B	112656

Prep Batch: 112684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-40	SSHS-FB7-C-SS	Total/NA	Solid	3541	
180-35053-41	SSHS-FB7-C-SUB-0.17-1	Total/NA	Solid	3541	
180-35053-42	SSHS-FB7-C-SUB-1-2	Total/NA	Solid	3541	
180-35053-43	SSHS-FB7-C-SUB-2-3	Total/NA	Solid	3541	
180-35053-44	SSHS-FB7-DUP4	Total/NA	Solid	3541	
180-35053-45	SSHS-FB7-DUP2	Total/NA	Solid	3541	
180-35053-46	SSHS-FB7-DUP3	Total/NA	Solid	3541	
LCS 180-112684/2-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-112684/1-C	Method Blank	Total/NA	Solid	3541	

Cleanup Batch: 112702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-40	SSHS-FB7-C-SS	Total/NA	Solid	3665A	112684
180-35053-41	SSHS-FB7-C-SUB-0.17-1	Total/NA	Solid	3665A	112684
180-35053-42	SSHS-FB7-C-SUB-1-2	Total/NA	Solid	3665A	112684
180-35053-43	SSHS-FB7-C-SUB-2-3	Total/NA	Solid	3665A	112684
180-35053-44	SSHS-FB7-DUP4	Total/NA	Solid	3665A	112684
180-35053-45	SSHS-FB7-DUP2	Total/NA	Solid	3665A	112684
180-35053-46	SSHS-FB7-DUP3	Total/NA	Solid	3665A	112684
LCS 180-112684/2-C	Lab Control Sample	Total/NA	Solid	3665A	112684
MB 180-112684/1-C	Method Blank	Total/NA	Solid	3665A	112684

Cleanup Batch: 112703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-40	SSHS-FB7-C-SS	Total/NA	Solid	3660B	112702
180-35053-41	SSHS-FB7-C-SUB-0.17-1	Total/NA	Solid	3660B	112702
180-35053-42	SSHS-FB7-C-SUB-1-2	Total/NA	Solid	3660B	112702
180-35053-43	SSHS-FB7-C-SUB-2-3	Total/NA	Solid	3660B	112702
180-35053-44	SSHS-FB7-DUP4	Total/NA	Solid	3660B	112702
180-35053-45	SSHS-FB7-DUP2	Total/NA	Solid	3660B	112702
180-35053-46	SSHS-FB7-DUP3	Total/NA	Solid	3660B	112702
LCS 180-112684/2-C	Lab Control Sample	Total/NA	Solid	3660B	112702
MB 180-112684/1-C	Method Blank	Total/NA	Solid	3660B	112702

Analysis Batch: 117172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-19	SSHS-B34-A-SS	Total/NA	Solid	8082A	112657

GC Semi VOA (Continued)

Analysis Batch: 117172 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-20	SSHS-B46-A-SS	Total/NA	Solid	8082A	112657
180-35053-21	SSHS-B32-A-SS	Total/NA	Solid	8082A	112657
180-35053-22	SSHS-B9-A-SS	Total/NA	Solid	8082A	112657
180-35053-23	EB-20140721	Total/NA	Water	8082A	112360
180-35053-24	SSHS-FB7-D-SS	Total/NA	Solid	8082A	112657
180-35053-25	SSHS-FB7-D-SUB-0.17-1	Total/NA	Solid	8082A	112657
180-35053-26	SSHS-FB7-D-SUB-1-2	Total/NA	Solid	8082A	112657
180-35053-26 MS	SSHS-FB7-D-SUB-1-2	Total/NA	Solid	8082A	112657
180-35053-26 MSD	SSHS-FB7-D-SUB-1-2	Total/NA	Solid	8082A	112657
180-35053-27	SSHS-FB7-D-SUB-2-3	Total/NA	Solid	8082A	112657
180-35053-28	SSHS-FB7-A-SS	Total/NA	Solid	8082A	112657
180-35053-29	SSHS-FB7-A-SUB-0.17-1	Total/NA	Solid	8082A	112657
180-35053-30	SSHS-FB7-A-SUB-1-2	Total/NA	Solid	8082A	112657
180-35053-31	SSHS-FB7-A-SUB-2-3	Total/NA	Solid	8082A	112657
180-35053-32	SSHS-FB7-B-SS	Total/NA	Solid	8082A	112657
180-35053-33	SSHS-FB7-B-SUB-0.17-1	Total/NA	Solid	8082A	112657
180-35053-34	SSHS-FB7-B-SUB-1-2	Total/NA	Solid	8082A	112657
180-35053-35	SSHS-FB7-B-SUB-2-3	Total/NA	Solid	8082A	112657
180-35053-36	SSHS-FB7-E-SS	Total/NA	Solid	8082A	112657
180-35053-37	SSHS-FB7-E-SUB-0.17-1	Total/NA	Solid	8082A	112657
180-35053-38	SSHS-FB7-E-SUB-1-2	Total/NA	Solid	8082A	112657
180-35053-39	SSHS-FB7-E-SUB-2-3	Total/NA	Solid	8082A	112657
180-35053-40	SSHS-FB7-C-SS	Total/NA	Solid	8082A	112703
180-35053-41	SSHS-FB7-C-SUB-0.17-1	Total/NA	Solid	8082A	112703
180-35053-42	SSHS-FB7-C-SUB-1-2	Total/NA	Solid	8082A	112703
180-35053-43	SSHS-FB7-C-SUB-2-3	Total/NA	Solid	8082A	112703
180-35053-44	SSHS-FB7-DUP4	Total/NA	Solid	8082A	112703
180-35053-45	SSHS-FB7-DUP2	Total/NA	Solid	8082A	112703
180-35053-46	SSHS-FB7-DUP3	Total/NA	Solid	8082A	112703
LCS 180-112360/4-A	Lab Control Sample	Total/NA	Water	8082A	112360
LCS 180-112578/2-C	Lab Control Sample	Total/NA	Solid	8082A	112657
LCS 180-112684/2-C	Lab Control Sample	Total/NA	Solid	8082A	112703
LCSD 180-112360/5-A	Lab Control Sample Dup	Total/NA	Water	8082A	112360
MB 180-112360/1-A	Method Blank	Total/NA	Water	8082A	112360
MB 180-112578/1-C	Method Blank	Total/NA	Solid	8082A	112657
MB 180-112684/1-C	Method Blank	Total/NA	Solid	8082A	112703

Metals

Prep Batch: 112471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-18	SSHS-SS14-A-SS	Total/NA	Solid	7471B	
LCS 180-112471/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 180-112471/1-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 112478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-18	SSHS-SS14-A-SS	Total/NA	Solid	3050B	
180-35053-18 MS	SSHS-SS14-A-SS	Total/NA	Solid	3050B	
180-35053-18 MSD	SSHS-SS14-A-SS	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 112478 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-112478/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 180-112478/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 112516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-18	SSHS-SS14-A-SS	Total/NA	Solid	7471B	112471
LCS 180-112471/2-A	Lab Control Sample	Total/NA	Solid	7471B	112471
MB 180-112471/1-A	Method Blank	Total/NA	Solid	7471B	112471

Analysis Batch: 112627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-18	SSHS-SS14-A-SS	Total/NA	Solid	6010C	112478
180-35053-18 MS	SSHS-SS14-A-SS	Total/NA	Solid	6010C	112478
180-35053-18 MSD	SSHS-SS14-A-SS	Total/NA	Solid	6010C	112478
LCS 180-112478/2-A	Lab Control Sample	Total/NA	Solid	6010C	112478
MB 180-112478/1-A	Method Blank	Total/NA	Solid	6010C	112478

General Chemistry

Analysis Batch: 112362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-34	SSHS-FB7-B-SUB-1-2	Total/NA	Solid	2540G	
180-35053-35	SSHS-FB7-B-SUB-2-3	Total/NA	Solid	2540G	
180-35053-36	SSHS-FB7-E-SS	Total/NA	Solid	2540G	
180-35053-37	SSHS-FB7-E-SUB-0.17-1	Total/NA	Solid	2540G	
180-35053-38	SSHS-FB7-E-SUB-1-2	Total/NA	Solid	2540G	
180-35053-39	SSHS-FB7-E-SUB-2-3	Total/NA	Solid	2540G	
180-35053-40	SSHS-FB7-C-SS	Total/NA	Solid	2540G	
180-35053-41	SSHS-FB7-C-SUB-0.17-1	Total/NA	Solid	2540G	
180-35053-42	SSHS-FB7-C-SUB-1-2	Total/NA	Solid	2540G	
180-35053-43	SSHS-FB7-C-SUB-2-3	Total/NA	Solid	2540G	
180-35053-43 DU	SSHS-FB7-C-SUB-2-3	Total/NA	Solid	2540G	
180-35053-44	SSHS-FB7-DUP4	Total/NA	Solid	2540G	
180-35053-45	SSHS-FB7-DUP2	Total/NA	Solid	2540G	
180-35053-46	SSHS-FB7-DUP3	Total/NA	Solid	2540G	

Analysis Batch: 112367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-1	SSHS-FB5-A-SS	Total/NA	Solid	2540G	
180-35053-2	SSHS-FB5-A-SUB-1.5	Total/NA	Solid	2540G	
180-35053-2 DU	SSHS-FB5-A-SUB-1.5	Total/NA	Solid	2540G	
180-35053-3	SSHS-FB5-A-SUB-2.5	Total/NA	Solid	2540G	
180-35053-4	SSHS-FB5-B-SS	Total/NA	Solid	2540G	
180-35053-5	SSHS-FB5-B-SUB-1.5	Total/NA	Solid	2540G	
180-35053-6	SSHS-FB5-B-SUB-2.5	Total/NA	Solid	2540G	
180-35053-7	SSHS-FB5-C-SS	Total/NA	Solid	2540G	
180-35053-8	SSHS-FB5-C-SUB-1.5	Total/NA	Solid	2540G	
180-35053-9	SSHS-FB5-C-SUB-2.5	Total/NA	Solid	2540G	
180-35053-10	SSHS-FB5-D-SS	Total/NA	Solid	2540G	
180-35053-11	SSHS-FB5-D-SUB-1.5	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 112367 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-12	SSHS-FB5-D-SUB-2.5	Total/NA	Solid	2540G	
180-35053-13	SSHS-FB5-E-SS	Total/NA	Solid	2540G	
180-35053-14	SSHS-FB5-E-SUB-1.5	Total/NA	Solid	2540G	
180-35053-15	SSHS-FB5-E-SUB-2.5	Total/NA	Solid	2540G	
180-35053-16	SSHS-FB5-DUP1	Total/NA	Solid	2540G	
180-35053-31	SSHS-FB7-A-SUB-2-3	Total/NA	Solid	2540G	
180-35053-32	SSHS-FB7-B-SS	Total/NA	Solid	2540G	
180-35053-33	SSHS-FB7-B-SUB-0.17-1	Total/NA	Solid	2540G	
180-35053-33 DU	SSHS-FB7-B-SUB-0.17-1	Total/NA	Solid	2540G	

Analysis Batch: 112369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-17	SSHS-B47-A-SS	Total/NA	Solid	2540G	
180-35053-18	SSHS-SS14-A-SS	Total/NA	Solid	2540G	
180-35053-19	SSHS-B34-A-SS	Total/NA	Solid	2540G	
180-35053-20	SSHS-B46-A-SS	Total/NA	Solid	2540G	
180-35053-21	SSHS-B32-A-SS	Total/NA	Solid	2540G	
180-35053-22	SSHS-B9-A-SS	Total/NA	Solid	2540G	
180-35053-24	SSHS-FB7-D-SS	Total/NA	Solid	2540G	
180-35053-25	SSHS-FB7-D-SUB-0.17-1	Total/NA	Solid	2540G	
180-35053-26	SSHS-FB7-D-SUB-1-2	Total/NA	Solid	2540G	
180-35053-26 DU	SSHS-FB7-D-SUB-1-2	Total/NA	Solid	2540G	
180-35053-27	SSHS-FB7-D-SUB-2-3	Total/NA	Solid	2540G	
180-35053-28	SSHS-FB7-A-SS	Total/NA	Solid	2540G	
180-35053-29	SSHS-FB7-A-SUB-0.17-1	Total/NA	Solid	2540G	
180-35053-30	SSHS-FB7-A-SUB-1-2	Total/NA	Solid	2540G	

Chain of Custody Record

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.1
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 1 of ~~8~~ 5
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-DAYS			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-35053 Chain of Custody

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SSHS-FB5-A-SS	7/21/14	1355	G	S	N	N	X	4	
SSHS-FB5-A-SUB-1.5	7/21/14	1400	G	S	N	N	X	4	
SSHS-FB5A-SUB-1.5 MS/MSD	7/21/14	1400	G	S	N	Y	X	8	
SSHS-FB5-A-SUB-2.5	7/21/14	1405	G	S	N	N	X	4	
SSHS-FB5-B-SS	7/21/14	1330	G	S	N	N	X	4	
SSHS-FB5-B-SUB-1.5	7/21/14	1335	G	S	N	N	X	4	
SSHS-FB5-B-SUB-2.5	7/21/14	1340	G	S	N	N	X	4	
SSHS-FB5-C-SS	7/21/14	1430	G	S	N	N	X	4	
SSHS-FB5-C-SUB-1.5	7/21/14	1435	G	S	N	N	X	4	
SSHS-FB5-C-SUB-2.5	7/21/14	1440	G	S	N	N	X	4	
SSHS-FB5-D-SS	7/21/14	1215	G	S	N	N	X	4	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, [✓ IV], Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 7/21/2014 1830	Company: Geosyntec	Received by:	Date/Time: 7/22/14 0935	Company: TAP
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 120722, 120723		Cooler Temperature(s) °C and Other Remarks:		

TestAmerica

Chain of Custody Record

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.3
Client Contact: Adam Gray	Phone: 304-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 2 of 8 5
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-DAYS			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	✓8260C-VOCs TCL+TICs	✓8270D-SVOCs TCL+TICs	6010/7471B TAL Metals	✓8082A-PCBs	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SSHS-FB5-D-SUB-1.5	7/21/14	1220	G	S	N	N	X				4	
SSHS-FB5-D-SUB-2.5	7/21/14	1225	G	S	N	N	X				4	
SSHS-FB5-E-SS	7/21/14	1300	G	S	N	N	X				4	
SSHS-FB5-E-SUB-1.5	7/21/14	1305	G	S	N	N	X				4	
SSHS-FB5-E-SUB-2.5	7/21/14	1310	G	S	N	N	X				4	
SSHS-FB5-DUP1	7/21/14	-	G	S	N	N	X				4	
SSHS-B47-A-SS	7/21/14	1405	G	S	N	N		X			1	
SSHS-SS14-A-SS	7/21/14	1205	G	S	N	N			X		1	
SSHS-B34-A-SS	7/21/14	1305	G	S	N	N				X	1	
SSHS-B46-A-SS	7/21/14	1415	G	S	N	N				X	1	
SSHS-B32-A-SS	7/21/14	1220	G	S	N	N				X	1	

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, [✓ IV] Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:
Relinquished by:	Date/Time: 7/21/2014 1830	Company: Geosyntec	Received by:	Date/Time: 7/22/14 0855	Company: TAL	
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:	
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:	

Custody Seals Intact: ∆ Yes ∆ No

Custody Seal No.: 120722, 120723

Cooler Temperature(s) °C and Other Remarks:

TestAmerica

Chain of Custody Record

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.4
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 3 of ~~6~~ 5
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-DAYS			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA

M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - PCBs	8260C - VOCs + TICs	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SSHS-B9-A-SS	7/21/14	1320	G	S	N	N	X		1	
EB-20140721	7/21/14	1720	G	W	N	N	X	X		
SSHS-FB7-D-SS	7/21/14	1550	G	S	N	N	X			
SSHS-FB7-D-SUB-0.17-1	7/21/14	1555	C	S	N	N	X			
SSHS-FB7-D-SUB-1-2	7/21/14	1600	C	S	N	N	X			
SSHS-FB7-D-SUB-1-2 MS/MSD	7/21/14	1600	C	S	N	N	X			
SSHS-FB7-D-SUB-2-3	7/21/14	1610	C	S	N	N	X			
~~SSHS-FB7-D-SUB-2-3~~										AG
SSHS-FB7-A-SS	7/21/14	1620	G	S	N	N	X			
SSHS-FB7-A-SUB-0.17-1	7/21/14	1625	C	S	N	N	X			
SSHS-FB7-A-SUB-1-2	7/21/14	1630	C	S	N	N	X			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, [✓ IV], Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 7/21/2014 1830	Company: Geosyntec	Received by:	Date/Time: 7/22/14 0855	Company: TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 120722, 120723		Cooler Temperature(s) °C and Other Remarks:		

TestAmerica

Chain of Custody Record

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.5
Client Contact: Adam Gray	Phone: 301-379-0433	E-Mail: dave.dunlap@testamericainc.com		Page: Page 4 of 5
Company: Geosyntec Consultants, Inc.		**Analysis Requested**		Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-DAYS			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A-PCBs	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SSHS-FB7-A-SUB-2-3	7/21/2014	1635	C	S	N	N	X		
SSHS-FB7-B-SS	7/21/2014	1640	G	S	N	N	X		
SSHS-FB7-B-SUB-0.17-1	7/21/2014	1645	C	S	N	N	X		
SSHS-FB7-B-SUB-1-2	7/21/2014	1650	C	S	N	N	X		
SSHS-FB7-B-SUB-2-3	7/21/2014	1655	C	S	N	N	X		
SSHS-FB7-E-SS	7/21/2014	1700	C	S	N	N	X		
SSHS-FB7-E-SUB-0.17-1	7/21/2014	1703	C	S	N	N	X		
SSHS-FB7-E-SUB-1-2	7/21/2014	1705	C	S	N	N	X		
SSHS-FB7-E-SUB-2-3	7/21/2014	1710	C	S	N	N	X		
SSHS-FB7-C-SS	7/21/2014	1715	C	S	N	N	X		
SSHS-FB7-C-SUB-0.17-1	7/21/2014	1718	C	S	N	N	X		

Possible Hazard Identification

☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Deliverable Requested: I, II, III, [✓ IV], Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by:	Date/Time: 7/21/2014 1830	Company: Geosyntec	Received by:	Date/Time: 7/22/14 0855	Company: TAD
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 120722, 120723		Cooler Temperature(s) °C and Other Remarks:		

TestAmerica

Chain of Custody Record

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com	
Company: Geosyntec Consultants, Inc.			

COC No: 180-18661-4775.6

Page: Page 6 of 8

Job #:

Address: 10220 Old Columbia Road Suite A	Due Date Requested:
City: Columbia	TAT Requested (days): 3-DAYS
State, Zip: MD, 21046	
Phone:	PO #: MN0832
Email: agray@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site - North	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - PCBs	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SSHS-FB7-C-SUB-1-2	7/21/2014	1722	C	S	N	N	X		
SSHS-FB7-C-SUB-2-3	7/21/2014	1725	C	S	N	N	X		
SSHS-FB7-DUP4	7/21/2014	–	C	S	N	N	X		
SSHS-FB7-DUP2	7/21/2014	–	C	S	N	N	X		
SSHS-FB7-DUP3	7/21/2014	–	C	S	N	N	X		

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, [✓ IV], Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:	
Relinquished by:	Date/Time: 7/21/2014 1830	Company: Geosyntec	Received by:	Date/Time: 7/22/14 0855	Company: TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No

Custody Seal No.: 120722, 120723

Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-35053-1

Login Number: 35053

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Butcher, Ryan M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

TestAmerica Job ID: 180-35053-2
Client Project/Site: Former Sperry Remington Site - North
Revision: 1

For:
Geosyntec Consultants, Inc.
10220 Old Columbia Road
Suite A
Columbia, Maryland 21046

Attn: Mr. Aron Krasnopoler

Authorized for release by:
9/8/2014 1:46:46 PM
Debbie Lowe, Lab Director
(412)963-2439
deb.lowe@testamericainc.com

Designee for

David Dunlap, Senior Project Manager
(412)963-2432
dave.dunlap@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35053-2

Job ID: 180-35053-2

Laboratory: TestAmerica Pittsburgh

Narrative

This is a revised report. The 8082A PCB results have been revised. The chromatographic peaks for the aroclors have been re-integrated and reviewed based on data validation suggestions.

Job Narrative
180-35053-2

Receipt

The samples were received on 7/22/2014 8:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.6º C.

Due to the level of aroclors detected in sample SSHS-FB7-D-2-3 (180-35053-27), the cleint requested re-extraction/re-analysis. The initial analysis was completed using the 'Pittsburgh laboratory low level' variation of method 8082A, whereas due to the concentration of aroclors, the re-analysis was completed using the 'routine level' method 8082A analysis.

GC Semi VOA

Method(s) 8082A: The sample contained aroclors above the instrument's calibration range and required further dilution. The surrogates were diluted out.

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

Definitions/Glossary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35053-2

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Geosyntec Consultants, Inc.

TestAmerica Job ID: 180-35053-2

Project/Site: Former Sperry Remington Site - North

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-15
California	State Program	9	2891	03-31-15
Connecticut	State Program	1	PH-0688	09-30-14 *
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	01-31-15
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-15
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-15
North Carolina (WW/SW)	State Program	4	434	12-31-14
Pennsylvania	NELAP	3	02-00416	04-30-15
South Carolina	State Program	4	89014	04-30-15
Texas	NELAP	6	T104704528	03-31-15
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P330-10-00139	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-14 *
West Virginia DEP	State Program	3	142	01-31-15
Wisconsin	State Program	5	998027800	08-31-14 *

* Certification renewal pending - certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35053-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-35053-27	SSHS-FB7-D-SUB-2-3	Solid	07/21/14 16:10	07/22/14 08:55

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35053-2

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client Sample ID: SSHS-FB7-D-SUB-2-3
Lab Sample ID: 180-35053-27

Date Collected: 07/21/14 16:10
Matrix: Solid

Date Received: 07/22/14 08:55
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	113539	08/04/14 13:14	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	113946	08/07/14 10:36	AKG	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	113947	08/07/14 10:37	AKG	TAL PIT
Total/NA	Analysis	8082A		500	15.4 g	20.0 mL	113908	08/07/14 16:10	AKG	TAL PIT
	Instrument ID: CHGC8									

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT
- Batch Type: Cleanup
  - AKG = Ashok Gupta
- Batch Type: Prep
  - JPM = Jeremy Merriman
- Batch Type: Analysis
  - AKG = Ashok Gupta

Client Sample ID: SSHS-FB7-D-SUB-2-3

Lab Sample ID: 180-35053-27

Date Collected: 07/21/14 16:10
Matrix: Solid
Date Received: 07/22/14 08:55
Percent Solids: 90.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9000	1300	ug/Kg	☼	08/04/14 13:14	08/07/14 16:10	500
PCB-1221	ND		9000	1700	ug/Kg	☼	08/04/14 13:14	08/07/14 16:10	500
PCB-1232	ND		9000	1500	ug/Kg	☼	08/04/14 13:14	08/07/14 16:10	500
PCB-1242	ND		9000	1500	ug/Kg	☼	08/04/14 13:14	08/07/14 16:10	500
PCB-1248	**340000**		9000	850	ug/Kg	☼	08/04/14 13:14	08/07/14 16:10	500
PCB-1254	**110000**		9000	1300	ug/Kg	☼	08/04/14 13:14	08/07/14 16:10	500
PCB-1260	ND		9000	1300	ug/Kg	☼	08/04/14 13:14	08/07/14 16:10	500
PCB-1262	ND		9000	2000	ug/Kg	☼	08/04/14 13:14	08/07/14 16:10	500
PCB-1268	ND		9000	1200	ug/Kg	☼	08/04/14 13:14	08/07/14 16:10	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*0*	*D X*	*45 - 125*	*08/04/14 13:14*	*08/07/14 16:10*	*500*
Tetrachloro-m-xylene (Surr)	*0*	*D X*	*45 - 135*	*08/04/14 13:14*	*08/07/14 16:10*	*500*

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35053-2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-113539/1-C
Matrix: Solid
Analysis Batch: 113908

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113539

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg		08/04/14 13:14	08/07/14 16:42	1
PCB-1221	ND		17	3.2	ug/Kg		08/04/14 13:14	08/07/14 16:42	1
PCB-1232	ND		17	2.9	ug/Kg		08/04/14 13:14	08/07/14 16:42	1
PCB-1242	ND		17	2.7	ug/Kg		08/04/14 13:14	08/07/14 16:42	1
PCB-1248	ND		17	1.6	ug/Kg		08/04/14 13:14	08/07/14 16:42	1
PCB-1254	ND		17	2.4	ug/Kg		08/04/14 13:14	08/07/14 16:42	1
PCB-1260	ND		17	2.4	ug/Kg		08/04/14 13:14	08/07/14 16:42	1
PCB-1262	ND		17	3.7	ug/Kg		08/04/14 13:14	08/07/14 16:42	1
PCB-1268	ND		17	2.1	ug/Kg		08/04/14 13:14	08/07/14 16:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*105*		*45 - 125*	*08/04/14 13:14*	*08/07/14 16:42*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*45 - 135*	*08/04/14 13:14*	*08/07/14 16:42*	*1*

Lab Sample ID: LCS 180-113539/2-C
Matrix: Solid
Analysis Batch: 113908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113539

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1330	1080		ug/Kg		81	55 - 135
PCB-1260	1330	1200		ug/Kg		90	50 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*107*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*84*		*45 - 135*

Lab Sample ID: LCSD 180-113539/3-C
Matrix: Solid
Analysis Batch: 113908

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113539

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	1330	1050		ug/Kg		79	55 - 135	3	20
PCB-1260	1330	1180		ug/Kg		89	50 - 140	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*106*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*82*		*45 - 135*

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35053-2

GC Semi VOA

Prep Batch: 113539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-27	SSHS-FB7-D-SUB-2-3	Total/NA	Solid	3541	
LCS 180-113539/2-C	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-113539/3-C	Lab Control Sample Dup	Total/NA	Solid	3541	
MB 180-113539/1-C	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 113908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-27	SSHS-FB7-D-SUB-2-3	Total/NA	Solid	8082A	113947
LCS 180-113539/2-C	Lab Control Sample	Total/NA	Solid	8082A	113947
LCSD 180-113539/3-C	Lab Control Sample Dup	Total/NA	Solid	8082A	113947
MB 180-113539/1-C	Method Blank	Total/NA	Solid	8082A	113947

Cleanup Batch: 113946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-27	SSHS-FB7-D-SUB-2-3	Total/NA	Solid	3665A	113539
LCS 180-113539/2-C	Lab Control Sample	Total/NA	Solid	3665A	113539
LCSD 180-113539/3-C	Lab Control Sample Dup	Total/NA	Solid	3665A	113539
MB 180-113539/1-C	Method Blank	Total/NA	Solid	3665A	113539

Cleanup Batch: 113947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35053-27	SSHS-FB7-D-SUB-2-3	Total/NA	Solid	3660B	113946
LCS 180-113539/2-C	Lab Control Sample	Total/NA	Solid	3660B	113946
LCSD 180-113539/3-C	Lab Control Sample Dup	Total/NA	Solid	3660B	113946
MB 180-113539/1-C	Method Blank	Total/NA	Solid	3660B	113946

TestAmeric

Chain of Custody Record

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.1
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 1 of 5
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10220 Old Columbia Road Suite A	Due Date Requested:
City: Columbia	TAT Requested (days): 3-DAYS
State, Zip: MD, 21046	
Phone:	PO #: MN0832
Email: agray@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site - North	Project #: 18013464
Site:	SSOW#:

Analysis Requested

180-35053 Chain of Custody

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SSHS-FB5-A-SS	7/21/14	1355	G	S	N	N	X	4	
SSHS-FB5-A-SUB-1.5	7/21/14	1400	G	S	N	N	X	4	
SSHS-FB5-A-SUB-1.5 MS/MSD	7/21/14	1400	G	S	N	Y	X	8	
SSHS-FB5-A-SUB-2.5	7/21/14	1405	G	S	N	N	X	4	
SSHS-FB5-B-SS	7/21/14	1330	G	S	N	N	X	4	
SSHS-FB5-B-SUB-1.5	7/21/14	1335	G	S	N	N	X	4	
SSHS-FB5-B-SUB-2.5	7/21/14	1340	G	S	N	N	X	4	
SSHS-FB5-C-SS	7/21/14	1430	G	S	N	N	X	4	
SSHS-FB5-C-SUB-1.5	7/21/14	1435	G	S	N	N	X	4	
SSHS-FB5-C-SUB-2.5	7/21/14	1440	G	S	N	N	X	4	
SSHS-FB5-D-SS	7/21/14	1215	G	S	N	N	X	4	

Possible Hazard Identification

☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Deliverable Requested: I, II, III, [✓ IV], Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:	Method of Shipment:	
Relinquished by:	Date/Time: 7/21/2014 1830	Company: Geosyntec	Received by:	Date/Time: 7/22/14 0935	Company: TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.: 120722, 120723

Cooler Temperature(s) °C and Other Remarks:

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

Chain of Custody Record

TestAmerica

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.3
Client Contact: Adam Gray	Phone: 304-329-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 2 of ~~8~~ 5
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10220 Old Columbia Road Suite A
City: Columbia
State, Zip: MD, 21046
Phone:
Email: agray@geosyntec.com
Project Name: Former Sperry Remington Site - North
Site:

Due Date Requested:
TAT Requested (days): 3-DAYS
PO #: MN0832
WO #:
Project #: 18013464
SSOW#:

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	✓ 8260C - VOCs TCL + TICs	✓ 8270D - SVOCs TCL + TICs	6010/7471B TAL Metals	✓ 8082A - PCBs	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SSHS-FB5-D-SUB-1.5	7/21/14	1220	G	S	N	N	X				4	
SSHS-FB5-D-SUB-2.5	7/21/14	1225	G	S	N	N	X				4	
SSHS-FB5-E-SS	7/21/14	1300	G	S	N	N	X				4	
SSHS-FB5-E-SUB-1.5	7/21/14	1305	G	S	N	N	X				4	
SSHS-FB5-E-SUB-2.5	7/21/14	1310	G	S	N	N	X				4	
SSHS-FB5-DUP1	7/21/14	-	G	S	N	N	X				4	
SSHS-B47-A-SS	7/21/14	1405	G	S	N	N		X			1	
SSHS-SS14-A-SS	7/21/14	1205	G	S	N	N			X		1	
SSHS-B34-A-SS	7/21/14	1305	G	S	N	N				X	1	
SSHS-B46-A-SS	7/21/14	1415	G	S	N	N				X	1	
SSHS-B32-A-SS	7/21/14	1220	G	S	N	N				X	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, [✓ IV] Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:
Relinquished by:	Date/Time: 7/21/2014 1830	Company: Geosyntec	Received by:	Date/Time: 7/22/14 0855	Company: TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.: 120722, 120723
Cooler Temperature(s) °C and Other Remarks:

TestAmerica

Chain of Custody Record

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.4
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 3 of 5
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10220 Old Columbia Road Suite A
City: Columbia
State, Zip: MD, 21046
Phone:
Email: agray@geosyntec.com
Project Name: Former Sperry Remington Site - North
Site:

Due Date Requested:
TAT Requested (days): 3-DAYS
PO #: MN0832
WO #:
Project #: 18013464
SSOW#:

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - PCBs	8260C - VOCs + TICs	Total Number of containers	Special Instructions/Note:
				Preservation Code:	☒	☒			☒	
SSHS-B9-A-SS	7/21/14	1320	G	S	N	N	X		1	
EB-20140721	7/21/14	1720	G	W	N	N	X	X		
SSHS-FB7-D-SS	7/21/14	1550	G	S	N	N	X			
SSHS-FB7-D-SUB-0.17-1	7/21/14	1555	C	S	N	N	X			
SSHS-FB7-D-SUB-1-2	7/21/14	1600	C	S	N	N	X			
SSHS-FB7-D-SUB-1-2 MS/MSD	7/21/14	1600	C	S	N	N	X			
SSHS-FB7-D-SUB-2-3	7/21/14	1610	C	S	N	N	X			
~~SSHS-FB7-D-SUB-2-3~~										AG
SSHS-FB7-A-SS	7/21/14	1620	G	S	N	N	X			
SSHS-FB7-A-SUB-0.17-1	7/21/14	1625	C	S	N	N	X			
SSHS-FB7-A-SUB-1-2	7/21/14	1630	C	S	N	N	X			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, [✓ IV], Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by:	Date/Time: 7/21/2014 1830	Company: Geosyntec	Received by:	Date/Time: 7/22/14 0855	Company: TAP
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.: 120722, 120723
Cooler Temperature(s) °C and Other Remarks:

Chain of Custody Record

TestAmerica

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.5
Client Contact: Adam Gray	Phone: 301-379-0433	E-Mail: dave.dunlap@testamericainc.com		Page: Page 4 of 5
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-DAYS			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A-PCBs	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SSHS-FB7-A-SUB-2-3	7/21/2014	1635	C	S	N	N	X		
SSHS-FB7-B-SS	7/21/2014	1640	G	S	N	N	X		
SSHS-FB7-B-SUB-0.17-1	7/21/2014	1645	C	S	N	N	X		
SSHS-FB7-B-SUB-1-2	7/21/2014	1650	C	S	N	N	X		
SSHS-FB7-B-SUB-2-3	7/21/2014	1655	C	S	N	N	X		
SSHS-FB7-E-SS	7/21/2014	1700	C	S	N	N	X		
SSHS-FB7-E-SUB-0.17-1	7/21/2014	1703	C	S	N	N	X		
SSHS-FB7-E-SUB-1-2	7/21/2014	1705	C	S	N	N	X		
SSHS-FB7-E-SUB-2-3	7/21/2014	1710	C	S	N	N	X		
SSHS-FB7-C-SS	7/21/2014	1715	C	S	N	N	X		
SSHS-FB7-C-SUB-0.17-1	7/21/2014	1718	C	S	N	N	X		

Possible Hazard Identification

☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*

Deliverable Requested: I, II, III, [✓ IV], Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 7/21/2014 1830	Company: Geosyntec	Received by:	Date/Time: 7/22/14 0855	Company: TAP
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.: 120722, 120723

Cooler Temperature(s) °C and Other Remarks:

TestAmerica

Chain of Custody Record

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.6
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 6 of 8
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-DAYS			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA

M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A-PCBs	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SSHS-FB7-C-SUB-1-2	7/21/2014	1722	C	S	N	N	X		
SSHS-FB7-C-SUB-2-3	7/21/2014	1725	C	S	N	N	X		
SSHS-FB7-DUP4	7/21/2014	–	C	S	N	N	X		
SSHS-FB7-DUP2	7/21/2014	–	C	S	N	N	X		
SSHS-FB7-DUP3	7/21/2014	–	C	S	N	N	X		

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, [✓ IV], Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: Adam Gray	Date/Time: 7/22/2014 1830	Company: Geosyntec	Received by:	Date/Time: 7/22/14 0855	Company: TAP
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: △ Yes △ No	Custody Seal No.: 120722, 120723		Cooler Temperature(s) °C and Other Remarks:		

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-35053-2

Login Number: 35053

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Butcher, Ryan M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

TestAmerica Job ID: 180-35079-1
Client Project/Site: Former Sperry Remington Site - North
Revision: 2

For:
Geosyntec Consultants, Inc.
10220 Old Columbia Road
Suite A
Columbia, Maryland 21046

Attn: Mr. Aron Krasnopoler

Authorized for release by:
9/9/2014 4:00:01 PM
Debbie Lowe, Lab Director
(412)963-2439
deb.lowe@testamericainc.com

Designee for

David Dunlap, Senior Project Manager
(412)963-2432
dave.dunlap@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Job ID: 180-35079-1

Laboratory: TestAmerica Pittsburgh

Narrative

This is a revised report (revision 2). The 8082A PCB results have been revised. The chromatographic peaks for the aroclors have been re-integrated and reviewed based on data validation suggestions.

This is a revised report. The sample ID for HHSH-B51-A-SS (180-35079-31) has been corrected to be HHSH-B1S-A-SS.

Job Narrative
180-35079-1

Receipt

The samples were received on 7/23/2014 9:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.6° C and 2.1° C.

GC/MS Semi VOA

Method(s) 8270D LL: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for prep batch 112437 recovered below the control limits for the following analyte: benzaldehyde. Benzaldehyde has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

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

GC Semi VOA

Method(s) 8082A: The initial scoping of the project was set for routine PCB analysis. Bottles (125 ml amber glass bottles for the equipment blank, instead of 1 liter amber glass bottles for the low level PCB analysis) were submitted accordingly. The equipment blank, sample EB-20140722 (180-35079-36), was received in the 125 ml amber bottles. The entire volume was extracted, the reporting limits were elevated accordingly.

Method(s) 8082A: The majority of the soil samples appear to contain a mixture or aroclors 1248, 1254, and/or 1262; however, due to weathering or other environmental processes, the PCBs in the samples do not closely match the laboratory's aroclor standards used for instrument calibration. The samples have been quantified and reported as containing the various aroclors. Due to the poor match with the aroclor standards, there is increased qualitative and quantitative uncertainty associated with those results.

Method(s) 8082A: The soil samples were initially analyzed starting at a 5x or 10x dilution. Many of the samples contained aroclors above the instrument's calibration range and required further dilution. Several samples had the surrogates diluted out, with recoveries being flagged with a "D" qualifier.

Method(s) 8082A: Several of the matrix spike recoveries may be biased high due to the sample matrix. This is especially prevalent in the matrix spike recoveries of sample SSHS-SS12-C-2-3 (180-35079-16).

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

General Chemistry

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

Definitions/Glossary

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery exceeds the control limits
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35079-1
Project/Site: Former Sperry Remington Site - North

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-15
California	State Program	9	2891	03-31-15
Connecticut	State Program	1	PH-0688	09-30-14 *
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	01-31-15
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-15
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-15
North Carolina (WW/SW)	State Program	4	434	12-31-14
Pennsylvania	NELAP	3	02-00416	04-30-15
South Carolina	State Program	4	89014	04-30-15
Texas	NELAP	6	T104704528	03-31-15
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P330-10-00139	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-14 *
West Virginia DEP	State Program	3	142	01-31-15
Wisconsin	State Program	5	998027800	08-31-14 *

* Certification renewal pending - certification considered valid.

Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-35079-1	SSHS-FB6-A-SS	Solid	07/22/14 07:50	07/23/14 09:10
180-35079-2	SSHS-SS16-SS	Solid	07/22/14 08:10	07/23/14 09:10
180-35079-3	SSHS-SS12-B-SS	Solid	07/22/14 08:50	07/23/14 09:10
180-35079-4	SSHS-SS12-B-0.17-1	Solid	07/22/14 08:53	07/23/14 09:10
180-35079-5	SSHS-SS12-B-1-2	Solid	07/22/14 08:56	07/23/14 09:10
180-35079-6	SSHS-SS12-B-2-3	Solid	07/22/14 09:00	07/23/14 09:10
180-35079-7	SSHS-FB1-A-SS	Solid	07/22/14 09:00	07/23/14 09:10
180-35079-8	SSHS-SS12-A-SS	Solid	07/22/14 09:05	07/23/14 09:10
180-35079-9	SSHS-SS12-A-0.17-1	Solid	07/22/14 09:07	07/23/14 09:10
180-35079-10	SSHS-SS12-A-1-2	Solid	07/22/14 09:09	07/23/14 09:10
180-35079-11	SSHS-SS12-A-2-3	Solid	07/22/14 09:10	07/23/14 09:10
180-35079-12	SSHS-FB11-A-SS	Solid	07/22/14 09:15	07/23/14 09:10
180-35079-13	SSHS-SS12-C-SS	Solid	07/22/14 09:30	07/23/14 09:10
180-35079-14	SSHS-SS12-C-0.17-1	Solid	07/22/14 09:32	07/23/14 09:10
180-35079-15	SSHS-SS12-C-1-2	Solid	07/22/14 09:34	07/23/14 09:10
180-35079-16	SSHS-SS12-C-2-3	Solid	07/22/14 09:36	07/23/14 09:10
180-35079-17	SSHS-FB10-A-SS	Solid	07/22/14 09:55	07/23/14 09:10
180-35079-18	SSHS-B15-A-SS	Solid	07/22/14 10:14	07/23/14 09:10
180-35079-19	SSHS-FB3-A-SS	Solid	07/22/14 10:15	07/23/14 09:10
180-35079-20	SSHS-B15-A-0.17-1	Solid	07/22/14 10:16	07/23/14 09:10
180-35079-21	SSHS-B15-A-1-2	Solid	07/22/14 10:18	07/23/14 09:10
180-35079-22	SSHS-B15-A-2-3	Solid	07/22/14 10:20	07/23/14 09:10
180-35079-23	SSHS-B15-C-SS	Solid	07/22/14 10:46	07/23/14 09:10
180-35079-24	SSHS-B15-C-0.17-1	Solid	07/22/14 10:48	07/23/14 09:10
180-35079-25	SSHS-B15-C-1-2	Solid	07/22/14 10:50	07/23/14 09:10
180-35079-26	SSHS-B15-C-2-3	Solid	07/22/14 10:52	07/23/14 09:10
180-35079-27	SSHS-B15-B-SS	Solid	07/22/14 11:08	07/23/14 09:10
180-35079-28	SSHS-B15-B-0.17-1	Solid	07/22/14 11:10	07/23/14 09:10
180-35079-29	SSHS-B15-B-1-2	Solid	07/22/14 11:12	07/23/14 09:10
180-35079-30	SSHS-B15-B-2-3	Solid	07/22/14 11:14	07/23/14 09:10
180-35079-31	SSHS-B1S-A-SS	Solid	07/22/14 11:40	07/23/14 09:10
180-35079-32	SSHS-B9SS-A-SS	Solid	07/22/14 11:55	07/23/14 09:10
180-35079-33	SSHS-B4SS-A-SS	Solid	07/22/14 12:15	07/23/14 09:10
180-35079-34	SSHS-FB2-A-SS	Solid	07/22/14 13:00	07/23/14 09:10
180-35079-35	SSHS-FB9-A-SS	Solid	07/22/14 13:15	07/23/14 09:10
180-35079-36	EB-20140722	Water	07/22/14 13:45	07/23/14 09:10
180-35079-37	SSHS-FB4-A-SS	Solid	07/22/14 14:10	07/23/14 09:10
180-35079-38	SSHS-SS15-SS	Solid	07/22/14 14:15	07/23/14 09:10
180-35079-39	SSHS-DUP5	Solid	07/22/14 00:00	07/23/14 09:10
180-35079-40	SSHS-SS12-DUP6	Solid	07/22/14 00:00	07/23/14 09:10
180-35079-41	SSHS-DUP7	Solid	07/22/14 00:00	07/23/14 09:10
180-35079-42	SSHS-B15-DUP8	Solid	07/22/14 00:00	07/23/14 09:10

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35079-1

Method	Method Description	Protocol	Laboratory
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
8082A	Polychlorinated Biphenyls (PCBs) (GC)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT

Protocol References:

SM22 = SM22

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client Sample ID: SSHS-FB6-A-SS

Lab Sample ID: 180-35079-1

Date Collected: 07/22/14 07:50
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 77.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	112566	07/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D LL		1	15.1 g	0.5 mL	112599	07/25/14 12:21	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		5	15.1 g	1.0 mL	117172	07/24/14 19:34	DFE	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SS16-SS

Lab Sample ID: 180-35079-2

Date Collected: 07/22/14 08:10
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 78.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		5	15.0 g	1.0 mL	117172	07/24/14 20:06	DFE	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SS12-B-SS

Lab Sample ID: 180-35079-3

Date Collected: 07/22/14 08:50
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		25	15.1 g	1.0 mL	117172	07/25/14 18:09	DFE	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SS12-B-0.17-1

Lab Sample ID: 180-35079-4

Date Collected: 07/22/14 08:53
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-SS12-B-0.17-1

Lab Sample ID: 180-35079-4
Date Collected: 07/22/14 08:53
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		25	15.1 g	1.0 mL	117172	07/25/14 18:41	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-SS12-B-1-2

Lab Sample ID: 180-35079-5
Date Collected: 07/22/14 08:56
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		50	15.0 g	1.0 mL	117172	07/25/14 19:14	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-SS12-B-2-3

Lab Sample ID: 180-35079-6
Date Collected: 07/22/14 09:00
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		250	15.0 g	1.0 mL	117172	07/25/14 19:46	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB1-A-SS

Lab Sample ID: 180-35079-7
Date Collected: 07/22/14 09:00
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 77.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		5	15.1 g	1.0 mL	117172	07/24/14 22:47	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Lab Chronicle

Client Sample ID: SSHS-SS12-A-SS

Lab Sample ID: 180-35079-8

Date Collected: 07/22/14 09:05
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		5	15.0 g	1.0 mL	117172	07/25/14 00:24	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-SS12-A-0.17-1

Lab Sample ID: 180-35079-9

Date Collected: 07/22/14 09:07
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		5	15.1 g	1.0 mL	117172	07/25/14 00:56	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-SS12-A-1-2

Lab Sample ID: 180-35079-10

Date Collected: 07/22/14 09:09
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		100	15.2 g	1.0 mL	117172	07/25/14 20:18	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-SS12-A-2-3

Lab Sample ID: 180-35079-11

Date Collected: 07/22/14 09:10
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		50	15.0 g	1.0 mL	117172	07/25/14 20:51	DFE	TAL PIT
	Instrument ID:	CHGC8_R								

Client Sample ID: SSHS-SS12-A-2-3 Lab Sample ID: 180-35079-11

Date Collected: 07/22/14 09:10 **Matrix: Solid**
Date Received: 07/23/14 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB11-A-SS Lab Sample ID: 180-35079-12

Date Collected: 07/22/14 09:15 **Matrix: Solid**
Date Received: 07/23/14 09:10 **Percent Solids: 75.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		5	15.0 g	1.0 mL	117172	07/25/14 02:33	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-SS12-C-SS Lab Sample ID: 180-35079-13

Date Collected: 07/22/14 09:30 **Matrix: Solid**
Date Received: 07/23/14 09:10 **Percent Solids: 83.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		5	15.1 g	1.0 mL	117172	07/25/14 03:05	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-SS12-C-0.17-1 Lab Sample ID: 180-35079-14

Date Collected: 07/22/14 09:32 **Matrix: Solid**
Date Received: 07/23/14 09:10 **Percent Solids: 91.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		25	15.1 g	1.0 mL	117172	07/25/14 21:23	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Lab Chronicle

Client Sample ID: SSHS-SS12-C-1-2
Lab Sample ID: 180-35079-15

Date Collected: 07/22/14 09:34
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		50	15.1 g	1.0 mL	117172	07/25/14 21:55	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-SS12-C-2-3
Lab Sample ID: 180-35079-16

Date Collected: 07/22/14 09:36
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		500	15.1 g	1.0 mL	117172	07/27/14 19:42	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB10-A-SS
Lab Sample ID: 180-35079-17

Date Collected: 07/22/14 09:55
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 77.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	112566	07/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D LL		1	15.0 g	0.5 mL	112599	07/25/14 12:49	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		5	15.0 g	1.0 mL	117172	07/25/14 04:42	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-B15-A-SS
Lab Sample ID: 180-35079-18

Date Collected: 07/22/14 10:14
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT

Client Sample ID: SSHS-B15-A-SS Lab Sample ID: 180-35079-18

Date Collected: 07/22/14 10:14 **Matrix: Solid**
Date Received: 07/23/14 09:10 **Percent Solids: 92.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		5	15.1 g	1.0 mL	117172	07/25/14 05:47	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB3-A-SS Lab Sample ID: 180-35079-19

Date Collected: 07/22/14 10:15 **Matrix: Solid**
Date Received: 07/23/14 09:10 **Percent Solids: 77.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		5	15.0 g	1.0 mL	117172	07/25/14 06:19	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-B15-A-0.17-1 Lab Sample ID: 180-35079-20

Date Collected: 07/22/14 10:16 **Matrix: Solid**
Date Received: 07/23/14 09:10 **Percent Solids: 94.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		25	15.0 g	1.0 mL	117172	07/25/14 22:27	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112483	07/24/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-B15-A-1-2 Lab Sample ID: 180-35079-21

Date Collected: 07/22/14 10:18 **Matrix: Solid**
Date Received: 07/23/14 09:10 **Percent Solids: 92.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112444	07/24/14 06:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112494	07/24/14 13:00	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112495	07/24/14 13:01	DFE	TAL PIT
Total/NA	Analysis	8082A		5	15.1 g	1.0 mL	117172	07/25/14 07:23	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Lab Chronicle

Client Sample ID: SSHS-B15-A-2-3

Lab Sample ID: 180-35079-22

Date Collected: 07/22/14 10:20
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.1 g	1.0 mL	117172	07/26/14 19:27	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-B15-C-SS

Lab Sample ID: 180-35079-23

Date Collected: 07/22/14 10:46
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	1.0 mL	117172	07/26/14 19:59	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-B15-C-0.17-1

Lab Sample ID: 180-35079-24

Date Collected: 07/22/14 10:48
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		50	15.0 g	1.0 mL	117172	07/27/14 21:19	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-B15-C-1-2

Lab Sample ID: 180-35079-25

Date Collected: 07/22/14 10:50
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	1.0 mL	117172	07/26/14 21:04	DFE	TAL PIT
	Instrument ID:	CHGC8_R								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35079-1

Client Sample ID: SSHS-B15-C-1-2

Lab Sample ID: 180-35079-25

Date Collected: 07/22/14 10:50
Date Received: 07/23/14 09:10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-B15-C-2-3

Lab Sample ID: 180-35079-26

Date Collected: 07/22/14 10:52
Date Received: 07/23/14 09:10

Matrix: Solid
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		200	15.1 g	1.0 mL	117172	07/27/14 21:51	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-B15-B-SS

Lab Sample ID: 180-35079-27

Date Collected: 07/22/14 11:08
Date Received: 07/23/14 09:10

Matrix: Solid
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	1.0 mL	117172	07/26/14 22:09	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-B15-B-0.17-1

Lab Sample ID: 180-35079-28

Date Collected: 07/22/14 11:10
Date Received: 07/23/14 09:10

Matrix: Solid
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		50	15.0 g	1.0 mL	117172	07/27/14 22:23	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-B15-B-1-2
Lab Sample ID: 180-35079-29

Date Collected: 07/22/14 11:12
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.1 g	1.0 mL	117172	07/26/14 23:13	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-B15-B-2-3
Lab Sample ID: 180-35079-30

Date Collected: 07/22/14 11:14
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.1 g	1.0 mL	117172	07/26/14 23:46	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-B1S-A-SS
Lab Sample ID: 180-35079-31

Date Collected: 07/22/14 11:40
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	1.0 mL	117172	07/27/14 00:18	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-B9SS-A-SS
Lab Sample ID: 180-35079-32

Date Collected: 07/22/14 11:55
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.1 g	1.0 mL	117172	07/27/14 00:50	DFE	TAL PIT
	Instrument ID:	CHGC8_R								

Lab Chronicle

Client: Geosyntec Consultants, Inc.

TestAmerica Job ID: 180-35079-1

Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B9SS-A-SS

Lab Sample ID: 180-35079-32

Date Collected: 07/22/14 11:55

Matrix: Solid

Date Received: 07/23/14 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-B4SS-A-SS

Lab Sample ID: 180-35079-33

Date Collected: 07/22/14 12:15

Matrix: Solid

Date Received: 07/23/14 09:10

Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	1.0 mL	117172	07/27/14 01:22	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB2-A-SS

Lab Sample ID: 180-35079-34

Date Collected: 07/22/14 13:00

Matrix: Solid

Date Received: 07/23/14 09:10

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112684	07/26/14 02:40	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112702	07/26/14 11:42	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112703	07/26/14 11:43	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	1.0 mL	117172	07/27/14 06:13	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-FB9-A-SS

Lab Sample ID: 180-35079-35

Date Collected: 07/22/14 13:15

Matrix: Solid

Date Received: 07/23/14 09:10

Percent Solids: 76.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	0.5 mL	112566	07/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D LL		1	15.1 g	0.5 mL	112599	07/25/14 13:17	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.1 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.1 g	1.0 mL	117172	07/27/14 01:54	DFE	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: EB-20140722 **Lab Sample ID: 180-35079-36**

Date Collected: 07/22/14 13:45 **Matrix: Water**

Date Received: 07/23/14 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1030 mL	1.0 mL	112437	07/24/14 07:24	BJT	TAL PIT
Total/NA	Analysis	8270D LL		1	1030 mL	1.0 mL	112596	07/25/14 17:26	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3510C			120 mL	0.5 mL	112655	07/25/14 14:00	CBY	TAL PIT
Total/NA	Analysis	8082A		1	120 mL	0.5 mL	117172	07/28/14 01:04	DFE	TAL PIT
	Instrument ID: CHGC8_R									

Client Sample ID: SSHS-FB4-A-SS **Lab Sample ID: 180-35079-37**

Date Collected: 07/22/14 14:10 **Matrix: Solid**

Date Received: 07/23/14 09:10 **Percent Solids: 72.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.2 g	1.0 mL	117172	07/27/14 02:27	DFE	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SS15-SS **Lab Sample ID: 180-35079-38**

Date Collected: 07/22/14 14:15 **Matrix: Solid**

Date Received: 07/23/14 09:10 **Percent Solids: 78.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	1.0 mL	117172	07/27/14 02:59	DFE	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-DUP5 **Lab Sample ID: 180-35079-39**

Date Collected: 07/22/14 00:00 **Matrix: Solid**

Date Received: 07/23/14 09:10 **Percent Solids: 75.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	0.5 mL	112566	07/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D LL		1	15.0 g	0.5 mL	112599	07/25/14 13:44	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT

Client Sample ID: SSHS-DUP5 Lab Sample ID: 180-35079-39

Date Collected: 07/22/14 00:00 **Matrix: Solid**

Date Received: 07/23/14 09:10 **Percent Solids: 75.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		10	15.0 g	1.0 mL	117172	07/27/14 04:03	DFE	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-SS12-DUP6 Lab Sample ID: 180-35079-40

Date Collected: 07/22/14 00:00 **Matrix: Solid**

Date Received: 07/23/14 09:10 **Percent Solids: 92.1**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		200	15.0 g	1.0 mL	117172	07/27/14 22:55	DFE	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-DUP7 Lab Sample ID: 180-35079-41

Date Collected: 07/22/14 00:00 **Matrix: Solid**

Date Received: 07/23/14 09:10 **Percent Solids: 91.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.1 g	1.0 mL	117172	07/27/14 05:08	DFE	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Analysis	2540G		1			112509	07/24/14 14:38	AJB	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-B15-DUP8 Lab Sample ID: 180-35079-42

Date Collected: 07/22/14 00:00 **Matrix: Solid**

Date Received: 07/23/14 09:10 **Percent Solids: 90.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	1.0 mL	112574	07/25/14 03:10	KLG	TAL PIT
Total/NA	Cleanup	3665A			1 mL	1 mL	112666	07/25/14 16:24	DFE	TAL PIT
Total/NA	Cleanup	3660B			1 mL	1 mL	112667	07/25/14 16:26	DFE	TAL PIT
Total/NA	Analysis	8082A		10	15.1 g	1.0 mL	117172	07/27/14 05:40	DFE	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Analysis	2540G		1			112520	07/24/14 15:10	AJB	TAL PIT
	Instrument ID: NOEQUIP									

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT

- Batch Type: Cleanup
  - DFE = David Eppinger
- Batch Type: Prep
  - BJT = Bill Trout
  - CBY = Charles Yushinski
  - KLG = Kevin Geehring
- Batch Type: Analysis
  - AJB = Amanda Brunick
  - DFE = David Eppinger
  - VVP = Vincent Piccolino

Client Sample Results

Client Sample ID: SSHS-FB6-A-SS

Lab Sample ID: 180-35079-1

Date Collected: 07/22/14 07:50
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 77.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**60**		8.6	0.83	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Acenaphthylene	**35**		8.6	0.98	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Acetophenone	**5.5**	**J**	43	3.5	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Anthracene	**130**		8.6	0.84	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Atrazine	ND		43	4.2	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Benzaldehyde	ND		43	6.4	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Benzo[a]anthracene	**220**		8.6	1.1	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Benzo[a]pyrene	**190**		8.6	0.86	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Benzo[b]fluoranthene	**210**		8.6	1.4	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Benzo[g,h,i]perylene	**140**		8.6	0.86	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Benzo[k]fluoranthene	**96**		8.6	1.7	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
1,1'-Biphenyl	**4.5**	**J**	43	3.8	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Bis(2-chloroethoxy)methane	ND		43	2.8	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Bis(2-chloroethyl)ether	ND		8.6	1.2	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Bis(2-ethylhexyl) phthalate	**120**		86	6.9	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
4-Bromophenyl phenyl ether	ND		43	3.7	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Butyl benzyl phthalate	ND		43	5.9	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Caprolactam	ND		220	32	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Carbazole	**51**		8.6	0.79	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
4-Chloroaniline	ND		43	3.4	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
4-Chloro-3-methylphenol	ND		43	4.0	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
2-Chloronaphthalene	ND		8.6	0.90	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
2-Chlorophenol	ND		43	3.5	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
4-Chlorophenyl phenyl ether	ND		43	4.8	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Chrysene	**220**		8.6	1.0	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Dibenz(a,h)anthracene	**43**		8.6	0.96	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Dibenzofuran	**31**	**J**	43	4.2	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
3,3'-Dichlorobenzidine	ND		43	4.5	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
2,4-Dichlorophenol	ND		8.6	0.86	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Diethyl phthalate	ND		43	4.7	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
2,4-Dimethylphenol	ND		43	6.7	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Dimethyl phthalate	ND		43	4.7	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Di-n-butyl phthalate	**10**	**J**	43	5.4	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
4,6-Dinitro-2-methylphenol	ND		220	17	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
2,4-Dinitrophenol	ND		220	51	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
2,4-Dinitrotoluene	ND		43	3.5	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
2,6-Dinitrotoluene	ND		43	4.4	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Di-n-octyl phthalate	ND		43	4.5	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Fluoranthene	**440**		8.6	0.92	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Fluorene	**52**		8.6	1.1	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Hexachlorobenzene	ND		8.6	0.92	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Hexachlorobutadiene	ND		8.6	0.96	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Hexachlorocyclopentadiene	ND		43	4.6	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Hexachloroethane	ND		43	3.1	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Indeno[1,2,3-cd]pyrene	**130**		8.6	0.89	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Isophorone	ND		43	3.2	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
2-Methylnaphthalene	**18**		8.6	0.77	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
2-Methylphenol	ND		43	3.0	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Methylphenol, 3 & 4	ND		43	4.2	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1

Client Sample Results

Client Sample ID: SSHS-FB6-A-SS
Lab Sample ID: 180-35079-1
Date Collected: 07/22/14 07:50
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 77.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**30**		8.6	0.74	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
2-Nitroaniline	ND		220	19	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
3-Nitroaniline	ND		220	18	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
4-Nitroaniline	ND		220	17	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Nitrobenzene	ND		86	3.6	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
2-Nitrophenol	ND		43	4.7	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
4-Nitrophenol	ND		220	16	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
N-Nitrosodi-n-propylamine	ND		8.6	1.0	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
N-Nitrosodiphenylamine	ND		43	4.0	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
2,2'-oxybis[1-chloropropane]	ND		8.6	0.93	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Pentachlorophenol	ND		43	3.8	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Phenanthrene	**330**		8.6	1.4	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Phenol	ND		8.6	1.0	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
Pyrene	**280**		8.6	0.87	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
1,2,4,5-Tetrachlorobenzene	ND		43	3.3	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
2,3,4,6-Tetrachlorophenol	ND		43	2.8	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
2,4,5-Trichlorophenol	ND		43	4.6	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1
2,4,6-Trichlorophenol	ND		43	6.4	ug/Kg	☼	07/25/14 03:00	07/25/14 12:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*100*	*T J*	*ug/Kg*	☼	*10.48*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*57*	*T J*	*ug/Kg*	☼	*10.60*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*95*	*T J*	*ug/Kg*	☼	*10.95*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*11.27*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*50*	*T J*	*ug/Kg*	☼	*11.83*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown PAH	*140*	*T J*	*ug/Kg*	☼	*12.75*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown Straight Chain Alkane	*89*	*T J*	*ug/Kg*	☼	*13.93*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*58*	*T J*	*ug/Kg*	☼	*14.85*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown PAH	*61*	*T J*	*ug/Kg*	☼	*15.06*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown Straight Chain Alkane	*81*	*T J*	*ug/Kg*	☼	*15.26*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown Straight Chain Alkane	*130*	*T J*	*ug/Kg*	☼	*15.97*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*360*	*T J*	*ug/Kg*	☼	*16.14*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*6200*	*T J*	*ug/Kg*	☼	*16.31*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*7000*	*T J*	*ug/Kg*	☼	*16.77*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*440*	*T J*	*ug/Kg*	☼	*17.04*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown Straight Chain Alkane	*86*	*T J*	*ug/Kg*	☼	*17.43*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*3600*	*T J*	*ug/Kg*	☼	*17.80*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*120*	*T J*	*ug/Kg*	☼	*17.95*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown Straight Chain Alkane	*1500*	*T J*	*ug/Kg*	☼	*18.18*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*1900*	*T J*	*ug/Kg*	☼	*18.26*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*460*	*T J*	*ug/Kg*	☼	*18.36*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*440*	*T J*	*ug/Kg*	☼	*18.54*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*86*	*T J*	*ug/Kg*	☼	*18.76*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*140*	*T J*	*ug/Kg*	☼	*18.92*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*2400*	*T J*	*ug/Kg*	☼	*19.35*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown Straight Chain Alkane	*1400*	*T J*	*ug/Kg*	☼	*19.77*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*19.89*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*470*	*T J*	*ug/Kg*	☼	*20.01*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*140*	*T J*	*ug/Kg*	☼	*20.45*		*07/25/14 03:00*	*07/25/14 12:21*	*1*
Unknown	*60*	*T J*	*ug/Kg*	☼	*20.69*		*07/25/14 03:00*	*07/25/14 12:21*	*1*

Client Sample Results

Client Sample ID: SSHS-FB6-A-SS

Lab Sample ID: 180-35079-1
Date Collected: 07/22/14 07:50
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 77.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*28 - 108*	*07/25/14 03:00*	*07/25/14 12:21*	*1*
2-Fluorophenol (Surr)	*53*		*28 - 107*	*07/25/14 03:00*	*07/25/14 12:21*	*1*
Nitrobenzene-d5 (Surr)	*70*		*27 - 110*	*07/25/14 03:00*	*07/25/14 12:21*	*1*
Phenol-d5 (Surr)	*57*		*30 - 112*	*07/25/14 03:00*	*07/25/14 12:21*	*1*
Terphenyl-d14 (Surr)	*59*		*21 - 130*	*07/25/14 03:00*	*07/25/14 12:21*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*21 - 116*	*07/25/14 03:00*	*07/25/14 12:21*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		5.4	0.80	ug/Kg	☼	07/24/14 06:10	07/24/14 19:34	5
PCB-1221	ND		5.4	1.0	ug/Kg	☼	07/24/14 06:10	07/24/14 19:34	5
PCB-1232	ND		5.4	0.92	ug/Kg	☼	07/24/14 06:10	07/24/14 19:34	5
PCB-1242	ND		5.4	0.87	ug/Kg	☼	07/24/14 06:10	07/24/14 19:34	5
PCB-1248	**180**		5.4	0.51	ug/Kg	☼	07/24/14 06:10	07/24/14 19:34	5
PCB-1254	**150**		5.4	0.76	ug/Kg	☼	07/24/14 06:10	07/24/14 19:34	5
PCB-1260	ND		5.4	0.76	ug/Kg	☼	07/24/14 06:10	07/24/14 19:34	5
PCB-1262	ND		5.4	1.2	ug/Kg	☼	07/24/14 06:10	07/24/14 19:34	5
PCB-1268	ND		5.4	0.69	ug/Kg	☼	07/24/14 06:10	07/24/14 19:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*20 - 150*	*07/24/14 06:10*	*07/24/14 19:34*	*5*
Tetrachloro-m-xylene (Surr)	*63*		*30 - 150*	*07/24/14 06:10*	*07/24/14 19:34*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**23**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**77**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-SS16-SS

Lab Sample ID: 180-35079-2
Date Collected: 07/22/14 08:10
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 78.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		5.3	0.79	ug/Kg	☼	07/24/14 06:10	07/24/14 20:06	5
PCB-1221	ND		5.3	1.0	ug/Kg	☼	07/24/14 06:10	07/24/14 20:06	5
PCB-1232	ND		5.3	0.91	ug/Kg	☼	07/24/14 06:10	07/24/14 20:06	5
PCB-1242	ND		5.3	0.86	ug/Kg	☼	07/24/14 06:10	07/24/14 20:06	5
PCB-1248	**28**		5.3	0.50	ug/Kg	☼	07/24/14 06:10	07/24/14 20:06	5
PCB-1254	**25**		5.3	0.75	ug/Kg	☼	07/24/14 06:10	07/24/14 20:06	5
PCB-1260	ND		5.3	0.75	ug/Kg	☼	07/24/14 06:10	07/24/14 20:06	5
PCB-1262	ND		5.3	1.2	ug/Kg	☼	07/24/14 06:10	07/24/14 20:06	5
PCB-1268	ND		5.3	0.68	ug/Kg	☼	07/24/14 06:10	07/24/14 20:06	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*20 - 150*	*07/24/14 06:10*	*07/24/14 20:06*	*5*
Tetrachloro-m-xylene (Surr)	*61*		*30 - 150*	*07/24/14 06:10*	*07/24/14 20:06*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**21**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-SS16-SS

Lab Sample ID: 180-35079-2

Date Collected: 07/22/14 08:10

Matrix: Solid

Date Received: 07/23/14 09:10

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**79**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-SS12-B-SS

Lab Sample ID: 180-35079-3

Date Collected: 07/22/14 08:50

Matrix: Solid

Date Received: 07/23/14 09:10

Percent Solids: 86.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		24	3.6	ug/Kg	☼	07/24/14 06:10	07/25/14 18:09	25
PCB-1221	ND		24	4.6	ug/Kg	☼	07/24/14 06:10	07/25/14 18:09	25
PCB-1232	ND		24	4.1	ug/Kg	☼	07/24/14 06:10	07/25/14 18:09	25
PCB-1242	ND		24	3.9	ug/Kg	☼	07/24/14 06:10	07/25/14 18:09	25
PCB-1248	**2100**		24	2.3	ug/Kg	☼	07/24/14 06:10	07/25/14 18:09	25
PCB-1254	**2200**		24	3.4	ug/Kg	☼	07/24/14 06:10	07/25/14 18:09	25
PCB-1260	ND		24	3.4	ug/Kg	☼	07/24/14 06:10	07/25/14 18:09	25
PCB-1262	ND		24	5.2	ug/Kg	☼	07/24/14 06:10	07/25/14 18:09	25
PCB-1268	ND		24	3.1	ug/Kg	☼	07/24/14 06:10	07/25/14 18:09	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*134*	*D*	*20 - 150*	*07/24/14 06:10*	*07/25/14 18:09*	*25*
Tetrachloro-m-xylene (Surr)	*97*	*D*	*30 - 150*	*07/24/14 06:10*	*07/25/14 18:09*	*25*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**87**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-SS12-B-0.17-1

Lab Sample ID: 180-35079-4

Date Collected: 07/22/14 08:53

Matrix: Solid

Date Received: 07/23/14 09:10

Percent Solids: 90.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		23	3.4	ug/Kg	☼	07/24/14 06:10	07/25/14 18:41	25
PCB-1221	ND		23	4.4	ug/Kg	☼	07/24/14 06:10	07/25/14 18:41	25
PCB-1232	ND		23	3.9	ug/Kg	☼	07/24/14 06:10	07/25/14 18:41	25
PCB-1242	ND		23	3.7	ug/Kg	☼	07/24/14 06:10	07/25/14 18:41	25
PCB-1248	**1500**		23	2.2	ug/Kg	☼	07/24/14 06:10	07/25/14 18:41	25
PCB-1254	**1100**		23	3.3	ug/Kg	☼	07/24/14 06:10	07/25/14 18:41	25
PCB-1260	ND		23	3.2	ug/Kg	☼	07/24/14 06:10	07/25/14 18:41	25
PCB-1262	ND		23	5.0	ug/Kg	☼	07/24/14 06:10	07/25/14 18:41	25
PCB-1268	ND		23	2.9	ug/Kg	☼	07/24/14 06:10	07/25/14 18:41	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*126*	*D*	*20 - 150*	*07/24/14 06:10*	*07/25/14 18:41*	*25*
Tetrachloro-m-xylene (Surr)	*63*	*D*	*30 - 150*	*07/24/14 06:10*	*07/25/14 18:41*	*25*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.4**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**91**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-SS12-B-1-2

Lab Sample ID: 180-35079-5

Date Collected: 07/22/14 08:56

Matrix: Solid

Date Received: 07/23/14 09:10

Percent Solids: 93.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		45	6.7	ug/Kg	☼	07/24/14 06:10	07/25/14 19:14	50
PCB-1221	ND		45	8.6	ug/Kg	☼	07/24/14 06:10	07/25/14 19:14	50
PCB-1232	ND		45	7.7	ug/Kg	☼	07/24/14 06:10	07/25/14 19:14	50
PCB-1242	ND		45	7.3	ug/Kg	☼	07/24/14 06:10	07/25/14 19:14	50
PCB-1248	**5700**		45	4.2	ug/Kg	☼	07/24/14 06:10	07/25/14 19:14	50
PCB-1254	**3600**		45	6.4	ug/Kg	☼	07/24/14 06:10	07/25/14 19:14	50
PCB-1260	ND		45	6.4	ug/Kg	☼	07/24/14 06:10	07/25/14 19:14	50
PCB-1262	ND		45	9.8	ug/Kg	☼	07/24/14 06:10	07/25/14 19:14	50
PCB-1268	ND		45	5.8	ug/Kg	☼	07/24/14 06:10	07/25/14 19:14	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*209*	*X D*	*20 - 150*	*07/24/14 06:10*	*07/25/14 19:14*	*50*
Tetrachloro-m-xylene (Surr)	*100*	*D*	*30 - 150*	*07/24/14 06:10*	*07/25/14 19:14*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.0**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**93**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-SS12-B-2-3

Lab Sample ID: 180-35079-6

Date Collected: 07/22/14 09:00

Matrix: Solid

Date Received: 07/23/14 09:10

Percent Solids: 91.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		230	34	ug/Kg	☼	07/24/14 06:10	07/25/14 19:46	250
PCB-1221	ND		230	43	ug/Kg	☼	07/24/14 06:10	07/25/14 19:46	250
PCB-1232	ND		230	39	ug/Kg	☼	07/24/14 06:10	07/25/14 19:46	250
PCB-1242	ND		230	37	ug/Kg	☼	07/24/14 06:10	07/25/14 19:46	250
PCB-1248	**20000**		230	21	ug/Kg	☼	07/24/14 06:10	07/25/14 19:46	250
PCB-1254	**12000**		230	32	ug/Kg	☼	07/24/14 06:10	07/25/14 19:46	250
PCB-1260	ND		230	32	ug/Kg	☼	07/24/14 06:10	07/25/14 19:46	250
PCB-1262	ND		230	50	ug/Kg	☼	07/24/14 06:10	07/25/14 19:46	250
PCB-1268	ND		230	29	ug/Kg	☼	07/24/14 06:10	07/25/14 19:46	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*378*	*X D*	*20 - 150*	*07/24/14 06:10*	*07/25/14 19:46*	*250*
Tetrachloro-m-xylene (Surr)	*136*	*D*	*30 - 150*	*07/24/14 06:10*	*07/25/14 19:46*	*250*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.1**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**92**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-FB1-A-SS

Lab Sample ID: 180-35079-7

Date Collected: 07/22/14 09:00

Matrix: Solid

Date Received: 07/23/14 09:10

Percent Solids: 77.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		5.3	0.79	ug/Kg	☼	07/24/14 06:10	07/24/14 22:47	5

Client Sample ID: SSHS-FB1-A-SS

Date Collected: 07/22/14 09:00
Date Received: 07/23/14 09:10

Lab Sample ID: 180-35079-7
Matrix: Solid
Percent Solids: 77.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		5.3	1.0	ug/Kg	☼	07/24/14 06:10	07/24/14 22:47	5
PCB-1232	ND		5.3	0.91	ug/Kg	☼	07/24/14 06:10	07/24/14 22:47	5
PCB-1242	ND		5.3	0.87	ug/Kg	☼	07/24/14 06:10	07/24/14 22:47	5
PCB-1248	**250**		5.3	0.51	ug/Kg	☼	07/24/14 06:10	07/24/14 22:47	5
PCB-1254	**110**		5.3	0.76	ug/Kg	☼	07/24/14 06:10	07/24/14 22:47	5
PCB-1260	ND		5.3	0.76	ug/Kg	☼	07/24/14 06:10	07/24/14 22:47	5
PCB-1262	ND		5.3	1.2	ug/Kg	☼	07/24/14 06:10	07/24/14 22:47	5
PCB-1268	ND		5.3	0.69	ug/Kg	☼	07/24/14 06:10	07/24/14 22:47	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*20 - 150*	*07/24/14 06:10*	*07/24/14 22:47*	*5*
Tetrachloro-m-xylene (Surr)	*75*		*30 - 150*	*07/24/14 06:10*	*07/24/14 22:47*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**23**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**77**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-SS12-A-SS

Date Collected: 07/22/14 09:05
Date Received: 07/23/14 09:10

Lab Sample ID: 180-35079-8
Matrix: Solid
Percent Solids: 83.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		5.0	0.74	ug/Kg	☼	07/24/14 06:10	07/25/14 00:24	5
PCB-1221	ND		5.0	0.95	ug/Kg	☼	07/24/14 06:10	07/25/14 00:24	5
PCB-1232	ND		5.0	0.86	ug/Kg	☼	07/24/14 06:10	07/25/14 00:24	5
PCB-1242	ND		5.0	0.81	ug/Kg	☼	07/24/14 06:10	07/25/14 00:24	5
PCB-1248	**370**		5.0	0.47	ug/Kg	☼	07/24/14 06:10	07/25/14 00:24	5
PCB-1254	**210**		5.0	0.71	ug/Kg	☼	07/24/14 06:10	07/25/14 00:24	5
PCB-1260	ND		5.0	0.71	ug/Kg	☼	07/24/14 06:10	07/25/14 00:24	5
PCB-1262	ND		5.0	1.1	ug/Kg	☼	07/24/14 06:10	07/25/14 00:24	5
PCB-1268	ND		5.0	0.64	ug/Kg	☼	07/24/14 06:10	07/25/14 00:24	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*20 - 150*	*07/24/14 06:10*	*07/25/14 00:24*	*5*
Tetrachloro-m-xylene (Surr)	*75*		*30 - 150*	*07/24/14 06:10*	*07/25/14 00:24*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**83**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-SS12-A-0.17-1

Date Collected: 07/22/14 09:07
Date Received: 07/23/14 09:10

Lab Sample ID: 180-35079-9
Matrix: Solid
Percent Solids: 90.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		4.6	0.68	ug/Kg	☼	07/24/14 06:10	07/25/14 00:56	5
PCB-1221	ND		4.6	0.87	ug/Kg	☼	07/24/14 06:10	07/25/14 00:56	5

Client Sample ID: SSHS-SS12-A-0.17-1

Lab Sample ID: 180-35079-9
Date Collected: 07/22/14 09:07
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 90.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		4.6	0.78	ug/Kg	☼	07/24/14 06:10	07/25/14 00:56	5
PCB-1242	ND		4.6	0.74	ug/Kg	☼	07/24/14 06:10	07/25/14 00:56	5
PCB-1248	**930**		4.6	0.43	ug/Kg	☼	07/24/14 06:10	07/25/14 00:56	5
PCB-1254	**450**		4.6	0.65	ug/Kg	☼	07/24/14 06:10	07/25/14 00:56	5
PCB-1260	ND		4.6	0.65	ug/Kg	☼	07/24/14 06:10	07/25/14 00:56	5
PCB-1262	ND		4.6	1.0	ug/Kg	☼	07/24/14 06:10	07/25/14 00:56	5
PCB-1268	ND		4.6	0.59	ug/Kg	☼	07/24/14 06:10	07/25/14 00:56	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*20 - 150*	*07/24/14 06:10*	*07/25/14 00:56*	*5*
Tetrachloro-m-xylene (Surr)	*68*		*30 - 150*	*07/24/14 06:10*	*07/25/14 00:56*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.5**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**91**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-SS12-A-1-2

Lab Sample ID: 180-35079-10
Date Collected: 07/22/14 09:09
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 92.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		89	13	ug/Kg	☼	07/24/14 06:10	07/25/14 20:18	100
PCB-1221	ND		89	17	ug/Kg	☼	07/24/14 06:10	07/25/14 20:18	100
PCB-1232	ND		89	15	ug/Kg	☼	07/24/14 06:10	07/25/14 20:18	100
PCB-1242	ND		89	14	ug/Kg	☼	07/24/14 06:10	07/25/14 20:18	100
PCB-1248	**23000**		89	8.4	ug/Kg	☼	07/24/14 06:10	07/25/14 20:18	100
PCB-1254	**9100**		89	13	ug/Kg	☼	07/24/14 06:10	07/25/14 20:18	100
PCB-1260	ND		89	13	ug/Kg	☼	07/24/14 06:10	07/25/14 20:18	100
PCB-1262	ND		89	19	ug/Kg	☼	07/24/14 06:10	07/25/14 20:18	100
PCB-1268	ND		89	11	ug/Kg	☼	07/24/14 06:10	07/25/14 20:18	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*247*	*X D*	*20 - 150*	*07/24/14 06:10*	*07/25/14 20:18*	*100*
Tetrachloro-m-xylene (Surr)	*98*	*D*	*30 - 150*	*07/24/14 06:10*	*07/25/14 20:18*	*100*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.2**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**93**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-SS12-A-2-3

Lab Sample ID: 180-35079-11
Date Collected: 07/22/14 09:10
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 91.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		45	6.7	ug/Kg	☼	07/24/14 06:10	07/25/14 20:51	50
PCB-1221	ND		45	8.6	ug/Kg	☼	07/24/14 06:10	07/25/14 20:51	50
PCB-1232	ND		45	7.8	ug/Kg	☼	07/24/14 06:10	07/25/14 20:51	50

Client Sample ID: SSHS-SS12-A-2-3

Lab Sample ID: 180-35079-11
Date Collected: 07/22/14 09:10
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 91.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		45	7.4	ug/Kg	☼	07/24/14 06:10	07/25/14 20:51	50
PCB-1248	**8200**		45	4.3	ug/Kg	☼	07/24/14 06:10	07/25/14 20:51	50
PCB-1254	**3300**		45	6.4	ug/Kg	☼	07/24/14 06:10	07/25/14 20:51	50
PCB-1260	ND		45	6.4	ug/Kg	☼	07/24/14 06:10	07/25/14 20:51	50
PCB-1262	ND		45	9.9	ug/Kg	☼	07/24/14 06:10	07/25/14 20:51	50
PCB-1268	ND		45	5.8	ug/Kg	☼	07/24/14 06:10	07/25/14 20:51	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*154*	*X D*	*20 - 150*	*07/24/14 06:10*	*07/25/14 20:51*	*50*
Tetrachloro-m-xylene (Surr)	*74*	*D*	*30 - 150*	*07/24/14 06:10*	*07/25/14 20:51*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.1**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**92**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-FB11-A-SS

Lab Sample ID: 180-35079-12
Date Collected: 07/22/14 09:15
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 75.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		5.5	0.82	ug/Kg	☼	07/24/14 06:10	07/25/14 02:33	5
PCB-1221	ND		5.5	1.1	ug/Kg	☼	07/24/14 06:10	07/25/14 02:33	5
PCB-1232	ND		5.5	0.94	ug/Kg	☼	07/24/14 06:10	07/25/14 02:33	5
PCB-1242	ND		5.5	0.90	ug/Kg	☼	07/24/14 06:10	07/25/14 02:33	5
PCB-1248	**88**		5.5	0.52	ug/Kg	☼	07/24/14 06:10	07/25/14 02:33	5
PCB-1254	**71**		5.5	0.78	ug/Kg	☼	07/24/14 06:10	07/25/14 02:33	5
PCB-1260	ND		5.5	0.78	ug/Kg	☼	07/24/14 06:10	07/25/14 02:33	5
PCB-1262	ND		5.5	1.2	ug/Kg	☼	07/24/14 06:10	07/25/14 02:33	5
PCB-1268	ND		5.5	0.71	ug/Kg	☼	07/24/14 06:10	07/25/14 02:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*20 - 150*	*07/24/14 06:10*	*07/25/14 02:33*	*5*
Tetrachloro-m-xylene (Surr)	*58*		*30 - 150*	*07/24/14 06:10*	*07/25/14 02:33*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**24**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**76**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-SS12-C-SS

Lab Sample ID: 180-35079-13
Date Collected: 07/22/14 09:30
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 83.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		4.9	0.74	ug/Kg	☼	07/24/14 06:10	07/25/14 03:05	5
PCB-1221	ND		4.9	0.94	ug/Kg	☼	07/24/14 06:10	07/25/14 03:05	5
PCB-1232	ND		4.9	0.85	ug/Kg	☼	07/24/14 06:10	07/25/14 03:05	5
PCB-1242	ND		4.9	0.81	ug/Kg	☼	07/24/14 06:10	07/25/14 03:05	5

Client Sample ID: SSHS-SS12-C-SS

Lab Sample ID: 180-35079-13
Date Collected: 07/22/14 09:30
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 83.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	**300**		4.9	0.47	ug/Kg	☼	07/24/14 06:10	07/25/14 03:05	5
PCB-1254	**260**		4.9	0.70	ug/Kg	☼	07/24/14 06:10	07/25/14 03:05	5
PCB-1260	ND		4.9	0.70	ug/Kg	☼	07/24/14 06:10	07/25/14 03:05	5
PCB-1262	ND		4.9	1.1	ug/Kg	☼	07/24/14 06:10	07/25/14 03:05	5
PCB-1268	ND		4.9	0.64	ug/Kg	☼	07/24/14 06:10	07/25/14 03:05	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*99*		*20 - 150*	*07/24/14 06:10*	*07/25/14 03:05*	*5*
Tetrachloro-m-xylene (Surr)	*75*		*30 - 150*	*07/24/14 06:10*	*07/25/14 03:05*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**84**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-SS12-C-0.17-1

Lab Sample ID: 180-35079-14
Date Collected: 07/22/14 09:32
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 91.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		23	3.4	ug/Kg	☼	07/24/14 06:10	07/25/14 21:23	25
PCB-1221	ND		23	4.3	ug/Kg	☼	07/24/14 06:10	07/25/14 21:23	25
PCB-1232	ND		23	3.9	ug/Kg	☼	07/24/14 06:10	07/25/14 21:23	25
PCB-1242	ND		23	3.7	ug/Kg	☼	07/24/14 06:10	07/25/14 21:23	25
PCB-1248	**1600**		23	2.1	ug/Kg	☼	07/24/14 06:10	07/25/14 21:23	25
PCB-1254	**880**		23	3.2	ug/Kg	☼	07/24/14 06:10	07/25/14 21:23	25
PCB-1260	ND		23	3.2	ug/Kg	☼	07/24/14 06:10	07/25/14 21:23	25
PCB-1262	ND		23	4.9	ug/Kg	☼	07/24/14 06:10	07/25/14 21:23	25
PCB-1268	ND		23	2.9	ug/Kg	☼	07/24/14 06:10	07/25/14 21:23	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*133*	*D*	*20 - 150*	*07/24/14 06:10*	*07/25/14 21:23*	*25*
Tetrachloro-m-xylene (Surr)	*94*	*D*	*30 - 150*	*07/24/14 06:10*	*07/25/14 21:23*	*25*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.2**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**92**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-SS12-C-1-2

Lab Sample ID: 180-35079-15
Date Collected: 07/22/14 09:34
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 93.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		44	6.6	ug/Kg	☼	07/24/14 06:10	07/25/14 21:55	50
PCB-1221	ND		44	8.4	ug/Kg	☼	07/24/14 06:10	07/25/14 21:55	50
PCB-1232	ND		44	7.6	ug/Kg	☼	07/24/14 06:10	07/25/14 21:55	50
PCB-1242	ND		44	7.2	ug/Kg	☼	07/24/14 06:10	07/25/14 21:55	50
PCB-1248	**9900**		44	4.2	ug/Kg	☼	07/24/14 06:10	07/25/14 21:55	50

Client Sample ID: SSHS-SS12-C-1-2

Lab Sample ID: 180-35079-15
Date Collected: 07/22/14 09:34
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 93.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	**4500**		44	6.3	ug/Kg	☼	07/24/14 06:10	07/25/14 21:55	50
PCB-1260	ND		44	6.3	ug/Kg	☼	07/24/14 06:10	07/25/14 21:55	50
PCB-1262	ND		44	9.7	ug/Kg	☼	07/24/14 06:10	07/25/14 21:55	50
PCB-1268	ND		44	5.7	ug/Kg	☼	07/24/14 06:10	07/25/14 21:55	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*179*	*X D*	*20 - 150*	*07/24/14 06:10*	*07/25/14 21:55*	*50*
Tetrachloro-m-xylene (Surr)	*98*	*D*	*30 - 150*	*07/24/14 06:10*	*07/25/14 21:55*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.2**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**94**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-SS12-C-2-3

Lab Sample ID: 180-35079-16
Date Collected: 07/22/14 09:36
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 92.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		450	67	ug/Kg	☼	07/25/14 03:10	07/27/14 19:42	500
PCB-1221	ND		450	86	ug/Kg	☼	07/25/14 03:10	07/27/14 19:42	500
PCB-1232	ND		450	77	ug/Kg	☼	07/25/14 03:10	07/27/14 19:42	500
PCB-1242	ND		450	73	ug/Kg	☼	07/25/14 03:10	07/27/14 19:42	500
PCB-1248	**100000**		450	43	ug/Kg	☼	07/25/14 03:10	07/27/14 19:42	500
PCB-1254	**29000**		450	64	ug/Kg	☼	07/25/14 03:10	07/27/14 19:42	500
PCB-1260	ND		450	64	ug/Kg	☼	07/25/14 03:10	07/27/14 19:42	500
PCB-1262	ND		450	98	ug/Kg	☼	07/25/14 03:10	07/27/14 19:42	500
PCB-1268	ND		450	58	ug/Kg	☼	07/25/14 03:10	07/27/14 19:42	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*581*	*X D*	*20 - 150*	*07/25/14 03:10*	*07/27/14 19:42*	*500*
Tetrachloro-m-xylene (Surr)	*147*	*D*	*30 - 150*	*07/25/14 03:10*	*07/27/14 19:42*	*500*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.9**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**92**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-FB10-A-SS

Lab Sample ID: 180-35079-17
Date Collected: 07/22/14 09:55
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 77.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**5.6**	**J**	8.6	0.82	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Acenaphthylene	**14**		8.6	0.98	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Acetophenone	**5.6**	**J**	42	3.5	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Anthracene	**23**		8.6	0.84	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Atrazine	ND		42	4.2	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Benzaldehyde	ND		42	6.4	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1

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

Client Sample ID: SSHS-FB10-A-SS
Lab Sample ID: 180-35079-17
Date Collected: 07/22/14 09:55
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 77.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**76**		8.6	1.1	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Benzo[a]pyrene	**68**		8.6	0.86	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Benzo[b]fluoranthene	**88**		8.6	1.3	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Benzo[g,h,i]perylene	**58**		8.6	0.85	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Benzo[k]fluoranthene	**31**		8.6	1.7	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
1,1'-Biphenyl	ND		42	3.8	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Bis(2-chloroethoxy)methane	ND		42	2.8	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Bis(2-chloroethyl)ether	ND		8.6	1.1	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Bis(2-ethylhexyl) phthalate	**94**		86	6.9	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
4-Bromophenyl phenyl ether	ND		42	3.7	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Butyl benzyl phthalate	**14**	**J**	42	5.9	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Caprolactam	ND		220	32	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Carbazole	**9.4**		8.6	0.79	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
4-Chloroaniline	ND		42	3.4	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
4-Chloro-3-methylphenol	ND		42	3.9	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
2-Chloronaphthalene	ND		8.6	0.89	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
2-Chlorophenol	ND		42	3.5	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
4-Chlorophenyl phenyl ether	ND		42	4.8	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Chrysene	**86**		8.6	1.0	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Dibenz(a,h)anthracene	**15**		8.6	0.95	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Dibenzofuran	ND		42	4.2	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
3,3'-Dichlorobenzidine	ND		42	4.5	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
2,4-Dichlorophenol	ND		8.6	0.86	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Diethyl phthalate	ND		42	4.7	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
2,4-Dimethylphenol	ND		42	6.7	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Dimethyl phthalate	ND		42	4.7	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Di-n-butyl phthalate	**9.0**	**J**	42	5.4	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
4,6-Dinitro-2-methylphenol	ND		220	17	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
2,4-Dinitrophenol	ND		220	51	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
2,4-Dinitrotoluene	ND		42	3.5	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
2,6-Dinitrotoluene	ND		42	4.4	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Di-n-octyl phthalate	ND		42	4.5	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Fluoranthene	**140**		8.6	0.92	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Fluorene	**5.7**	**J**	8.6	1.1	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Hexachlorobenzene	ND		8.6	0.91	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Hexachlorobutadiene	ND		8.6	0.96	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Hexachlorocyclopentadiene	ND		42	4.6	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Hexachloroethane	ND		42	3.1	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Indeno[1,2,3-cd]pyrene	**51**		8.6	0.88	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Isophorone	ND		42	3.2	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
2-Methylnaphthalene	**6.6**	**J**	8.6	0.77	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
2-Methylphenol	ND		42	3.0	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Methylphenol, 3 & 4	ND		42	4.2	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Naphthalene	**7.8**	**J**	8.6	0.74	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
2-Nitroaniline	ND		220	19	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
3-Nitroaniline	ND		220	18	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
4-Nitroaniline	ND		220	17	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Nitrobenzene	ND		86	3.6	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
2-Nitrophenol	ND		42	4.7	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1

Client Sample ID: SSHS-FB10-A-SS
Date Collected: 07/22/14 09:55
Date Received: 07/23/14 09:10

Lab Sample ID: 180-35079-17
Matrix: Solid
Percent Solids: 77.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		220	16	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
N-Nitrosodi-n-propylamine	ND		8.6	1.0	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
N-Nitrosodiphenylamine	ND		42	4.0	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
2,2'-oxybis[1-chloropropane]	ND		8.6	0.92	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Pentachlorophenol	ND		42	3.8	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Phenanthrene	**71**		8.6	1.4	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Phenol	**5.0**	**J**	8.6	1.0	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
Pyrene	**94**		8.6	0.87	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
1,2,4,5-Tetrachlorobenzene	ND		42	3.2	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
2,3,4,6-Tetrachlorophenol	ND		42	2.8	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
2,4,5-Trichlorophenol	ND		42	4.6	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1
2,4,6-Trichlorophenol	ND		42	6.4	ug/Kg	☼	07/25/14 03:00	07/25/14 12:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*120*	*T J*	*ug/Kg*	☼	*6.91*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*97*	*T J*	*ug/Kg*	☼	*11.41*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*11.93*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*90*	*T J*	*ug/Kg*	☼	*12.16*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*91*	*T J*	*ug/Kg*	☼	*12.21*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*310*	*T J*	*ug/Kg*	☼	*12.75*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*120*	*T J*	*ug/Kg*	☼	*13.38*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*90*	*T J*	*ug/Kg*	☼	*13.60*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*120*	*T J*	*ug/Kg*	☼	*13.93*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*100*	*T J*	*ug/Kg*	☼	*14.85*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*15.07*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown Straight Chain Alkane	*140*	*T J*	*ug/Kg*	☼	*15.27*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*96*	*T J*	*ug/Kg*	☼	*15.83*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*16.13*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*4500*	*T J*	*ug/Kg*	☼	*16.31*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*5200*	*T J*	*ug/Kg*	☼	*16.77*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*2300*	*T J*	*ug/Kg*	☼	*17.79*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*360*	*T J*	*ug/Kg*	☼	*17.94*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown Straight Chain Alkane	*1200*	*T J*	*ug/Kg*	☼	*18.19*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*1300*	*T J*	*ug/Kg*	☼	*18.25*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*520*	*T J*	*ug/Kg*	☼	*18.37*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*18.48*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*18.54*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*130*	*T J*	*ug/Kg*	☼	*18.74*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*19.12*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*1400*	*T J*	*ug/Kg*	☼	*19.35*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown Straight Chain Alkane	*1000*	*T J*	*ug/Kg*	☼	*19.76*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*19.89*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*20.02*		*07/25/14 03:00*	*07/25/14 12:49*	*1*
Unknown	*110*	*T J*	*ug/Kg*	☼	*20.68*		*07/25/14 03:00*	*07/25/14 12:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*28 - 108*	*07/25/14 03:00*	*07/25/14 12:49*	*1*
2-Fluorophenol (Surr)	*49*		*28 - 107*	*07/25/14 03:00*	*07/25/14 12:49*	*1*
Nitrobenzene-d5 (Surr)	*67*		*27 - 110*	*07/25/14 03:00*	*07/25/14 12:49*	*1*
Phenol-d5 (Surr)	*52*		*30 - 112*	*07/25/14 03:00*	*07/25/14 12:49*	*1*

Client Sample ID: SSHS-FB10-A-SS

Lab Sample ID: 180-35079-17

Date Collected: 07/22/14 09:55

Matrix: Solid

Date Received: 07/23/14 09:10

Percent Solids: 77.9

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*53*		*21 - 130*	*07/25/14 03:00*	*07/25/14 12:49*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*21 - 116*	*07/25/14 03:00*	*07/25/14 12:49*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		5.3	0.80	ug/Kg	☼	07/24/14 06:10	07/25/14 04:42	5
PCB-1221	ND		5.3	1.0	ug/Kg	☼	07/24/14 06:10	07/25/14 04:42	5
PCB-1232	ND		5.3	0.92	ug/Kg	☼	07/24/14 06:10	07/25/14 04:42	5
PCB-1242	ND		5.3	0.87	ug/Kg	☼	07/24/14 06:10	07/25/14 04:42	5
PCB-1248	**620**		5.3	0.51	ug/Kg	☼	07/24/14 06:10	07/25/14 04:42	5
PCB-1254	**300**		5.3	0.76	ug/Kg	☼	07/24/14 06:10	07/25/14 04:42	5
PCB-1260	ND		5.3	0.76	ug/Kg	☼	07/24/14 06:10	07/25/14 04:42	5
PCB-1262	ND		5.3	1.2	ug/Kg	☼	07/24/14 06:10	07/25/14 04:42	5
PCB-1268	ND		5.3	0.69	ug/Kg	☼	07/24/14 06:10	07/25/14 04:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*20 - 150*	*07/24/14 06:10*	*07/25/14 04:42*	*5*
Tetrachloro-m-xylene (Surr)	*59*		*30 - 150*	*07/24/14 06:10*	*07/25/14 04:42*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**22**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**78**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-B15-A-SS

Lab Sample ID: 180-35079-18

Date Collected: 07/22/14 10:14

Matrix: Solid

Date Received: 07/23/14 09:10

Percent Solids: 92.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		4.5	0.67	ug/Kg	☼	07/24/14 06:10	07/25/14 05:47	5
PCB-1221	ND		4.5	0.85	ug/Kg	☼	07/24/14 06:10	07/25/14 05:47	5
PCB-1232	ND		4.5	0.77	ug/Kg	☼	07/24/14 06:10	07/25/14 05:47	5
PCB-1242	ND		4.5	0.73	ug/Kg	☼	07/24/14 06:10	07/25/14 05:47	5
PCB-1248	**86**		4.5	0.42	ug/Kg	☼	07/24/14 06:10	07/25/14 05:47	5
PCB-1254	**66**		4.5	0.64	ug/Kg	☼	07/24/14 06:10	07/25/14 05:47	5
PCB-1260	ND		4.5	0.64	ug/Kg	☼	07/24/14 06:10	07/25/14 05:47	5
PCB-1262	ND		4.5	0.98	ug/Kg	☼	07/24/14 06:10	07/25/14 05:47	5
PCB-1268	ND		4.5	0.57	ug/Kg	☼	07/24/14 06:10	07/25/14 05:47	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*104*		*20 - 150*	*07/24/14 06:10*	*07/25/14 05:47*	*5*
Tetrachloro-m-xylene (Surr)	*82*		*30 - 150*	*07/24/14 06:10*	*07/25/14 05:47*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.5**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**92**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-FB3-A-SS

Lab Sample ID: 180-35079-19
Date Collected: 07/22/14 10:15
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 77.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		5.4	0.80	ug/Kg	☼	07/24/14 06:10	07/25/14 06:19	5
PCB-1221	ND		5.4	1.0	ug/Kg	☼	07/24/14 06:10	07/25/14 06:19	5
PCB-1232	ND		5.4	0.92	ug/Kg	☼	07/24/14 06:10	07/25/14 06:19	5
PCB-1242	ND		5.4	0.88	ug/Kg	☼	07/24/14 06:10	07/25/14 06:19	5
PCB-1248	**100**		5.4	0.51	ug/Kg	☼	07/24/14 06:10	07/25/14 06:19	5
PCB-1254	**51**		5.4	0.77	ug/Kg	☼	07/24/14 06:10	07/25/14 06:19	5
PCB-1260	ND		5.4	0.77	ug/Kg	☼	07/24/14 06:10	07/25/14 06:19	5
PCB-1262	ND		5.4	1.2	ug/Kg	☼	07/24/14 06:10	07/25/14 06:19	5
PCB-1268	ND		5.4	0.69	ug/Kg	☼	07/24/14 06:10	07/25/14 06:19	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*20 - 150*	*07/24/14 06:10*	*07/25/14 06:19*	*5*
Tetrachloro-m-xylene (Surr)	*68*		*30 - 150*	*07/24/14 06:10*	*07/25/14 06:19*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**23**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**77**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-B15-A-0.17-1

Lab Sample ID: 180-35079-20
Date Collected: 07/22/14 10:16
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 94.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		22	3.3	ug/Kg	☼	07/24/14 06:10	07/25/14 22:27	25
PCB-1221	ND		22	4.2	ug/Kg	☼	07/24/14 06:10	07/25/14 22:27	25
PCB-1232	ND		22	3.8	ug/Kg	☼	07/24/14 06:10	07/25/14 22:27	25
PCB-1242	ND		22	3.6	ug/Kg	☼	07/24/14 06:10	07/25/14 22:27	25
PCB-1248	**4600**		22	2.1	ug/Kg	☼	07/24/14 06:10	07/25/14 22:27	25
PCB-1254	**1900**		22	3.1	ug/Kg	☼	07/24/14 06:10	07/25/14 22:27	25
PCB-1260	ND		22	3.1	ug/Kg	☼	07/24/14 06:10	07/25/14 22:27	25
PCB-1262	ND		22	4.8	ug/Kg	☼	07/24/14 06:10	07/25/14 22:27	25
PCB-1268	ND		22	2.8	ug/Kg	☼	07/24/14 06:10	07/25/14 22:27	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*130*	*D*	*20 - 150*	*07/24/14 06:10*	*07/25/14 22:27*	*25*
Tetrachloro-m-xylene (Surr)	*82*	*D*	*30 - 150*	*07/24/14 06:10*	*07/25/14 22:27*	*25*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.1**		0.10	0.10	%			07/24/14 11:36	1
Percent Solids	**95**		0.10	0.10	%			07/24/14 11:36	1

Client Sample ID: SSHS-B15-A-1-2

Lab Sample ID: 180-35079-21
Date Collected: 07/22/14 10:18
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 92.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		4.5	0.67	ug/Kg	☼	07/24/14 06:10	07/25/14 07:23	5

Client Sample Results

Client Sample ID: SSHS-B15-A-1-2

Lab Sample ID: 180-35079-21
Date Collected: 07/22/14 10:18
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 92.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		4.5	0.86	ug/Kg	☼	07/24/14 06:10	07/25/14 07:23	5
PCB-1232	ND		4.5	0.77	ug/Kg	☼	07/24/14 06:10	07/25/14 07:23	5
PCB-1242	ND		4.5	0.73	ug/Kg	☼	07/24/14 06:10	07/25/14 07:23	5
PCB-1248	**400**		4.5	0.42	ug/Kg	☼	07/24/14 06:10	07/25/14 07:23	5
PCB-1254	**150**		4.5	0.64	ug/Kg	☼	07/24/14 06:10	07/25/14 07:23	5
PCB-1260	ND		4.5	0.64	ug/Kg	☼	07/24/14 06:10	07/25/14 07:23	5
PCB-1262	ND		4.5	0.98	ug/Kg	☼	07/24/14 06:10	07/25/14 07:23	5
PCB-1268	ND		4.5	0.58	ug/Kg	☼	07/24/14 06:10	07/25/14 07:23	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*20 - 150*	*07/24/14 06:10*	*07/25/14 07:23*	*5*
Tetrachloro-m-xylene (Surr)	*74*		*30 - 150*	*07/24/14 06:10*	*07/25/14 07:23*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.8**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**92**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-B15-A-2-3

Lab Sample ID: 180-35079-22
Date Collected: 07/22/14 10:20
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 92.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.0	1.3	ug/Kg	☼	07/25/14 03:10	07/26/14 19:27	10
PCB-1221	ND		9.0	1.7	ug/Kg	☼	07/25/14 03:10	07/26/14 19:27	10
PCB-1232	ND		9.0	1.5	ug/Kg	☼	07/25/14 03:10	07/26/14 19:27	10
PCB-1242	ND		9.0	1.5	ug/Kg	☼	07/25/14 03:10	07/26/14 19:27	10
PCB-1248	**130**		9.0	0.85	ug/Kg	☼	07/25/14 03:10	07/26/14 19:27	10
PCB-1254	**63**		9.0	1.3	ug/Kg	☼	07/25/14 03:10	07/26/14 19:27	10
PCB-1260	ND		9.0	1.3	ug/Kg	☼	07/25/14 03:10	07/26/14 19:27	10
PCB-1262	**12**		9.0	2.0	ug/Kg	☼	07/25/14 03:10	07/26/14 19:27	10
PCB-1268	ND		9.0	1.2	ug/Kg	☼	07/25/14 03:10	07/26/14 19:27	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*109*		*20 - 150*	*07/25/14 03:10*	*07/26/14 19:27*	*10*
Tetrachloro-m-xylene (Surr)	*75*		*30 - 150*	*07/25/14 03:10*	*07/26/14 19:27*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.7**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**92**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-B15-C-SS

Lab Sample ID: 180-35079-23
Date Collected: 07/22/14 10:46
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 93.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		8.9	1.3	ug/Kg	☼	07/25/14 03:10	07/26/14 19:59	10
PCB-1221	ND		8.9	1.7	ug/Kg	☼	07/25/14 03:10	07/26/14 19:59	10

Client Sample ID: SSHS-B15-C-SS

Date Collected: 07/22/14 10:46
Date Received: 07/23/14 09:10

Lab Sample ID: 180-35079-23
Matrix: Solid
Percent Solids: 93.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		8.9	1.5	ug/Kg	☼	07/25/14 03:10	07/26/14 19:59	10
PCB-1242	ND		8.9	1.5	ug/Kg	☼	07/25/14 03:10	07/26/14 19:59	10
PCB-1248	**38**		8.9	0.85	ug/Kg	☼	07/25/14 03:10	07/26/14 19:59	10
PCB-1254	**32**		8.9	1.3	ug/Kg	☼	07/25/14 03:10	07/26/14 19:59	10
PCB-1260	ND		8.9	1.3	ug/Kg	☼	07/25/14 03:10	07/26/14 19:59	10
PCB-1262	ND		8.9	2.0	ug/Kg	☼	07/25/14 03:10	07/26/14 19:59	10
PCB-1268	ND		8.9	1.1	ug/Kg	☼	07/25/14 03:10	07/26/14 19:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*20 - 150*	*07/25/14 03:10*	*07/26/14 19:59*	*10*
Tetrachloro-m-xylene (Surr)	*67*		*30 - 150*	*07/25/14 03:10*	*07/26/14 19:59*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.9**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**93**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-B15-C-0.17-1

Date Collected: 07/22/14 10:48
Date Received: 07/23/14 09:10

Lab Sample ID: 180-35079-24
Matrix: Solid
Percent Solids: 93.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		44	6.6	ug/Kg	☼	07/25/14 03:10	07/27/14 21:19	50
PCB-1221	ND		44	8.5	ug/Kg	☼	07/25/14 03:10	07/27/14 21:19	50
PCB-1232	ND		44	7.6	ug/Kg	☼	07/25/14 03:10	07/27/14 21:19	50
PCB-1242	ND		44	7.2	ug/Kg	☼	07/25/14 03:10	07/27/14 21:19	50
PCB-1248	**4000**		44	4.2	ug/Kg	☼	07/25/14 03:10	07/27/14 21:19	50
PCB-1254	**1700**		44	6.3	ug/Kg	☼	07/25/14 03:10	07/27/14 21:19	50
PCB-1260	ND		44	6.3	ug/Kg	☼	07/25/14 03:10	07/27/14 21:19	50
PCB-1262	ND		44	9.7	ug/Kg	☼	07/25/14 03:10	07/27/14 21:19	50
PCB-1268	ND		44	5.7	ug/Kg	☼	07/25/14 03:10	07/27/14 21:19	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*150*	*D*	*20 - 150*	*07/25/14 03:10*	*07/27/14 21:19*	*50*
Tetrachloro-m-xylene (Surr)	*114*	*D*	*30 - 150*	*07/25/14 03:10*	*07/27/14 21:19*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.3**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**94**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-B15-C-1-2

Date Collected: 07/22/14 10:50
Date Received: 07/23/14 09:10

Lab Sample ID: 180-35079-25
Matrix: Solid
Percent Solids: 92.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.0	1.3	ug/Kg	☼	07/25/14 03:10	07/26/14 21:04	10
PCB-1221	ND		9.0	1.7	ug/Kg	☼	07/25/14 03:10	07/26/14 21:04	10
PCB-1232	ND		9.0	1.5	ug/Kg	☼	07/25/14 03:10	07/26/14 21:04	10

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35079-1

Client Sample ID: SSHS-B15-C-1-2

Lab Sample ID: 180-35079-25

Date Collected: 07/22/14 10:50
Date Received: 07/23/14 09:10

Matrix: Solid
Percent Solids: 92.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		9.0	1.5	ug/Kg	☼	07/25/14 03:10	07/26/14 21:04	10
PCB-1248	**810**		9.0	0.85	ug/Kg	☼	07/25/14 03:10	07/26/14 21:04	10
PCB-1254	**330**		9.0	1.3	ug/Kg	☼	07/25/14 03:10	07/26/14 21:04	10
PCB-1260	ND		9.0	1.3	ug/Kg	☼	07/25/14 03:10	07/26/14 21:04	10
PCB-1262	**29**		9.0	2.0	ug/Kg	☼	07/25/14 03:10	07/26/14 21:04	10
PCB-1268	ND		9.0	1.2	ug/Kg	☼	07/25/14 03:10	07/26/14 21:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*112*		*20 - 150*	*07/25/14 03:10*	*07/26/14 21:04*	*10*
Tetrachloro-m-xylene (Surr)	*85*		*30 - 150*	*07/25/14 03:10*	*07/26/14 21:04*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.2**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**93**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-B15-C-2-3

Lab Sample ID: 180-35079-26

Date Collected: 07/22/14 10:52
Date Received: 07/23/14 09:10

Matrix: Solid
Percent Solids: 89.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		180	27	ug/Kg	☼	07/25/14 03:10	07/27/14 21:51	200
PCB-1221	ND		180	35	ug/Kg	☼	07/25/14 03:10	07/27/14 21:51	200
PCB-1232	ND		180	32	ug/Kg	☼	07/25/14 03:10	07/27/14 21:51	200
PCB-1242	ND		180	30	ug/Kg	☼	07/25/14 03:10	07/27/14 21:51	200
PCB-1248	**15000**		180	17	ug/Kg	☼	07/25/14 03:10	07/27/14 21:51	200
PCB-1254	**7000**		180	26	ug/Kg	☼	07/25/14 03:10	07/27/14 21:51	200
PCB-1260	ND		180	26	ug/Kg	☼	07/25/14 03:10	07/27/14 21:51	200
PCB-1262	ND		180	40	ug/Kg	☼	07/25/14 03:10	07/27/14 21:51	200
PCB-1268	ND		180	24	ug/Kg	☼	07/25/14 03:10	07/27/14 21:51	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*290*	*X D*	*20 - 150*	*07/25/14 03:10*	*07/27/14 21:51*	*200*
Tetrachloro-m-xylene (Surr)	*108*	*D*	*30 - 150*	*07/25/14 03:10*	*07/27/14 21:51*	*200*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**90**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-B15-B-SS

Lab Sample ID: 180-35079-27

Date Collected: 07/22/14 11:08
Date Received: 07/23/14 09:10

Matrix: Solid
Percent Solids: 88.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.5	1.4	ug/Kg	☼	07/25/14 03:10	07/26/14 22:09	10
PCB-1221	ND		9.5	1.8	ug/Kg	☼	07/25/14 03:10	07/26/14 22:09	10
PCB-1232	ND		9.5	1.6	ug/Kg	☼	07/25/14 03:10	07/26/14 22:09	10
PCB-1242	ND		9.5	1.5	ug/Kg	☼	07/25/14 03:10	07/26/14 22:09	10

Client Sample ID: SSHS-B15-B-SS

Lab Sample ID: 180-35079-27

Date Collected: 07/22/14 11:08
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 88.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	**620**		9.5	0.90	ug/Kg	☼	07/25/14 03:10	07/26/14 22:09	10
PCB-1254	**400**		9.5	1.3	ug/Kg	☼	07/25/14 03:10	07/26/14 22:09	10
PCB-1260	ND		9.5	1.3	ug/Kg	☼	07/25/14 03:10	07/26/14 22:09	10
PCB-1262	ND		9.5	2.1	ug/Kg	☼	07/25/14 03:10	07/26/14 22:09	10
PCB-1268	ND		9.5	1.2	ug/Kg	☼	07/25/14 03:10	07/26/14 22:09	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*20 - 150*	*07/25/14 03:10*	*07/26/14 22:09*	*10*
Tetrachloro-m-xylene (Surr)	*78*		*30 - 150*	*07/25/14 03:10*	*07/26/14 22:09*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**88**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-B15-B-0.17-1

Lab Sample ID: 180-35079-28

Date Collected: 07/22/14 11:10
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 94.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		44	6.6	ug/Kg	☼	07/25/14 03:10	07/27/14 22:23	50
PCB-1221	ND		44	8.4	ug/Kg	☼	07/25/14 03:10	07/27/14 22:23	50
PCB-1232	ND		44	7.5	ug/Kg	☼	07/25/14 03:10	07/27/14 22:23	50
PCB-1242	ND		44	7.2	ug/Kg	☼	07/25/14 03:10	07/27/14 22:23	50
PCB-1248	**4300**		44	4.2	ug/Kg	☼	07/25/14 03:10	07/27/14 22:23	50
PCB-1254	**2000**		44	6.3	ug/Kg	☼	07/25/14 03:10	07/27/14 22:23	50
PCB-1260	ND		44	6.3	ug/Kg	☼	07/25/14 03:10	07/27/14 22:23	50
PCB-1262	ND		44	9.7	ug/Kg	☼	07/25/14 03:10	07/27/14 22:23	50
PCB-1268	ND		44	5.7	ug/Kg	☼	07/25/14 03:10	07/27/14 22:23	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*195*	*X D*	*20 - 150*	*07/25/14 03:10*	*07/27/14 22:23*	*50*
Tetrachloro-m-xylene (Surr)	*104*	*D*	*30 - 150*	*07/25/14 03:10*	*07/27/14 22:23*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.5**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**95**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-B15-B-1-2

Lab Sample ID: 180-35079-29

Date Collected: 07/22/14 11:12
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 92.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		8.9	1.3	ug/Kg	☼	07/25/14 03:10	07/26/14 23:13	10
PCB-1221	ND		8.9	1.7	ug/Kg	☼	07/25/14 03:10	07/26/14 23:13	10
PCB-1232	ND		8.9	1.5	ug/Kg	☼	07/25/14 03:10	07/26/14 23:13	10
PCB-1242	ND		8.9	1.5	ug/Kg	☼	07/25/14 03:10	07/26/14 23:13	10
PCB-1248	**88**		8.9	0.85	ug/Kg	☼	07/25/14 03:10	07/26/14 23:13	10

Client Sample ID: SSHS-B15-B-1-2

Date Collected: 07/22/14 11:12
Date Received: 07/23/14 09:10

Lab Sample ID: 180-35079-29
Matrix: Solid
Percent Solids: 92.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	**56**		8.9	1.3	ug/Kg	☼	07/25/14 03:10	07/26/14 23:13	10
PCB-1260	ND		8.9	1.3	ug/Kg	☼	07/25/14 03:10	07/26/14 23:13	10
PCB-1262	ND		8.9	2.0	ug/Kg	☼	07/25/14 03:10	07/26/14 23:13	10
PCB-1268	ND		8.9	1.1	ug/Kg	☼	07/25/14 03:10	07/26/14 23:13	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*20 - 150*	*07/25/14 03:10*	*07/26/14 23:13*	*10*
Tetrachloro-m-xylene (Surr)	*84*		*30 - 150*	*07/25/14 03:10*	*07/26/14 23:13*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.5**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**93**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-B15-B-2-3

Date Collected: 07/22/14 11:14
Date Received: 07/23/14 09:10

Lab Sample ID: 180-35079-30
Matrix: Solid
Percent Solids: 90.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.2	1.4	ug/Kg	☼	07/25/14 03:10	07/26/14 23:46	10
PCB-1221	ND		9.2	1.7	ug/Kg	☼	07/25/14 03:10	07/26/14 23:46	10
PCB-1232	ND		9.2	1.6	ug/Kg	☼	07/25/14 03:10	07/26/14 23:46	10
PCB-1242	ND		9.2	1.5	ug/Kg	☼	07/25/14 03:10	07/26/14 23:46	10
PCB-1248	**200**		9.2	0.87	ug/Kg	☼	07/25/14 03:10	07/26/14 23:46	10
PCB-1254	**110**		9.2	1.3	ug/Kg	☼	07/25/14 03:10	07/26/14 23:46	10
PCB-1260	ND		9.2	1.3	ug/Kg	☼	07/25/14 03:10	07/26/14 23:46	10
PCB-1262	ND		9.2	2.0	ug/Kg	☼	07/25/14 03:10	07/26/14 23:46	10
PCB-1268	ND		9.2	1.2	ug/Kg	☼	07/25/14 03:10	07/26/14 23:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*107*		*20 - 150*	*07/25/14 03:10*	*07/26/14 23:46*	*10*
Tetrachloro-m-xylene (Surr)	*73*		*30 - 150*	*07/25/14 03:10*	*07/26/14 23:46*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.6**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**90**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-B1S-A-SS

Date Collected: 07/22/14 11:40
Date Received: 07/23/14 09:10

Lab Sample ID: 180-35079-31
Matrix: Solid
Percent Solids: 91.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.2	1.4	ug/Kg	☼	07/25/14 03:10	07/27/14 00:18	10
PCB-1221	ND		9.2	1.7	ug/Kg	☼	07/25/14 03:10	07/27/14 00:18	10
PCB-1232	ND		9.2	1.6	ug/Kg	☼	07/25/14 03:10	07/27/14 00:18	10
PCB-1242	ND		9.2	1.5	ug/Kg	☼	07/25/14 03:10	07/27/14 00:18	10
PCB-1248	ND		9.2	0.87	ug/Kg	☼	07/25/14 03:10	07/27/14 00:18	10
PCB-1254	ND		9.2	1.3	ug/Kg	☼	07/25/14 03:10	07/27/14 00:18	10

Client Sample ID: SSHS-B1S-A-SS

Lab Sample ID: 180-35079-31

Date Collected: 07/22/14 11:40

Matrix: Solid

Date Received: 07/23/14 09:10

Percent Solids: 91.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		9.2	1.3	ug/Kg	☼	07/25/14 03:10	07/27/14 00:18	10
PCB-1262	ND		9.2	2.0	ug/Kg	☼	07/25/14 03:10	07/27/14 00:18	10
PCB-1268	ND		9.2	1.2	ug/Kg	☼	07/25/14 03:10	07/27/14 00:18	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*20 - 150*	*07/25/14 03:10*	*07/27/14 00:18*	*10*
Tetrachloro-m-xylene (Surr)	*75*		*30 - 150*	*07/25/14 03:10*	*07/27/14 00:18*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.0**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**91**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-B9SS-A-SS

Lab Sample ID: 180-35079-32

Date Collected: 07/22/14 11:55

Matrix: Solid

Date Received: 07/23/14 09:10

Percent Solids: 95.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		8.7	1.3	ug/Kg	☼	07/25/14 03:10	07/27/14 00:50	10
PCB-1221	ND		8.7	1.7	ug/Kg	☼	07/25/14 03:10	07/27/14 00:50	10
PCB-1232	ND		8.7	1.5	ug/Kg	☼	07/25/14 03:10	07/27/14 00:50	10
PCB-1242	ND		8.7	1.4	ug/Kg	☼	07/25/14 03:10	07/27/14 00:50	10
PCB-1248	ND		8.7	0.82	ug/Kg	☼	07/25/14 03:10	07/27/14 00:50	10
PCB-1254	ND		8.7	1.2	ug/Kg	☼	07/25/14 03:10	07/27/14 00:50	10
PCB-1260	ND		8.7	1.2	ug/Kg	☼	07/25/14 03:10	07/27/14 00:50	10
PCB-1262	ND		8.7	1.9	ug/Kg	☼	07/25/14 03:10	07/27/14 00:50	10
PCB-1268	ND		8.7	1.1	ug/Kg	☼	07/25/14 03:10	07/27/14 00:50	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*96*		*20 - 150*	*07/25/14 03:10*	*07/27/14 00:50*	*10*
Tetrachloro-m-xylene (Surr)	*82*		*30 - 150*	*07/25/14 03:10*	*07/27/14 00:50*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.0**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**95**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-B4SS-A-SS

Lab Sample ID: 180-35079-33

Date Collected: 07/22/14 12:15

Matrix: Solid

Date Received: 07/23/14 09:10

Percent Solids: 89.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.3	1.4	ug/Kg	☼	07/25/14 03:10	07/27/14 01:22	10
PCB-1221	ND		9.3	1.8	ug/Kg	☼	07/25/14 03:10	07/27/14 01:22	10
PCB-1232	ND		9.3	1.6	ug/Kg	☼	07/25/14 03:10	07/27/14 01:22	10
PCB-1242	ND		9.3	1.5	ug/Kg	☼	07/25/14 03:10	07/27/14 01:22	10
PCB-1248	ND		9.3	0.88	ug/Kg	☼	07/25/14 03:10	07/27/14 01:22	10
PCB-1254	ND		9.3	1.3	ug/Kg	☼	07/25/14 03:10	07/27/14 01:22	10
PCB-1260	ND		9.3	1.3	ug/Kg	☼	07/25/14 03:10	07/27/14 01:22	10

Client Sample ID: SSHS-B4SS-A-SS

Lab Sample ID: 180-35079-33
Date Collected: 07/22/14 12:15
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 89.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		9.3	2.0	ug/Kg	☼	07/25/14 03:10	07/27/14 01:22	10
PCB-1268	ND		9.3	1.2	ug/Kg	☼	07/25/14 03:10	07/27/14 01:22	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*20 - 150*	*07/25/14 03:10*	*07/27/14 01:22*	*10*
Tetrachloro-m-xylene (Surr)	*76*		*30 - 150*	*07/25/14 03:10*	*07/27/14 01:22*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**90**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-FB2-A-SS

Lab Sample ID: 180-35079-34
Date Collected: 07/22/14 13:00
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 85.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.7	1.4	ug/Kg	☼	07/26/14 02:40	07/27/14 06:13	10
PCB-1221	ND		9.7	1.9	ug/Kg	☼	07/26/14 02:40	07/27/14 06:13	10
PCB-1232	ND		9.7	1.7	ug/Kg	☼	07/26/14 02:40	07/27/14 06:13	10
PCB-1242	ND		9.7	1.6	ug/Kg	☼	07/26/14 02:40	07/27/14 06:13	10
PCB-1248	ND		9.7	0.92	ug/Kg	☼	07/26/14 02:40	07/27/14 06:13	10
PCB-1254	**110**		9.7	1.4	ug/Kg	☼	07/26/14 02:40	07/27/14 06:13	10
PCB-1260	ND		9.7	1.4	ug/Kg	☼	07/26/14 02:40	07/27/14 06:13	10
PCB-1262	ND		9.7	2.1	ug/Kg	☼	07/26/14 02:40	07/27/14 06:13	10
PCB-1268	ND		9.7	1.2	ug/Kg	☼	07/26/14 02:40	07/27/14 06:13	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*20 - 150*	*07/26/14 02:40*	*07/27/14 06:13*	*10*
Tetrachloro-m-xylene (Surr)	*52*		*30 - 150*	*07/26/14 02:40*	*07/27/14 06:13*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**86**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-FB9-A-SS

Lab Sample ID: 180-35079-35
Date Collected: 07/22/14 13:15
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 76.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**2.8**	**J**	8.7	0.83	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Acenaphthylene	**23**		8.7	0.99	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Acetophenone	**4.7**	**J**	43	3.5	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Anthracene	**21**		8.7	0.84	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Atrazine	ND		43	4.2	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Benzaldehyde	ND		43	6.5	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Benzo[a]anthracene	**57**		8.7	1.1	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Benzo[a]pyrene	**64**		8.7	0.86	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1

Client Sample ID: SSHS-FB9-A-SS
Date Collected: 07/22/14 13:15
Date Received: 07/23/14 09:10

Lab Sample ID: 180-35079-35
Matrix: Solid
Percent Solids: 76.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	**86**		8.7	1.4	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Benzo[g,h,i]perylene	**66**		8.7	0.86	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Benzo[k]fluoranthene	**33**		8.7	1.7	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
1,1'-Biphenyl	ND		43	3.8	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Bis(2-chloroethoxy)methane	ND		43	2.8	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Bis(2-chloroethyl)ether	ND		8.7	1.2	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Bis(2-ethylhexyl) phthalate	**59**	**J**	86	7.0	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
4-Bromophenyl phenyl ether	ND		43	3.8	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Butyl benzyl phthalate	**15**	**J**	43	5.9	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Caprolactam	ND		220	33	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Carbazole	**7.0**	**J**	8.7	0.79	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
4-Chloroaniline	ND		43	3.5	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
4-Chloro-3-methylphenol	ND		43	4.0	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
2-Chloronaphthalene	ND		8.7	0.90	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
2-Chlorophenol	ND		43	3.5	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
4-Chlorophenyl phenyl ether	ND		43	4.8	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Chrysene	**73**		8.7	1.0	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Dibenz(a,h)anthracene	**17**		8.7	0.96	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Dibenzofuran	**4.2**	**J**	43	4.2	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
3,3'-Dichlorobenzidine	ND		43	4.6	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
2,4-Dichlorophenol	ND		8.7	0.86	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Diethyl phthalate	**5.0**	**J**	43	4.7	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
2,4-Dimethylphenol	ND		43	6.7	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Dimethyl phthalate	ND		43	4.7	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Di-n-butyl phthalate	**11**	**J**	43	5.4	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
4,6-Dinitro-2-methylphenol	ND		220	17	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
2,4-Dinitrophenol	ND		220	51	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
2,4-Dinitrotoluene	ND		43	3.5	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
2,6-Dinitrotoluene	ND		43	4.4	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Di-n-octyl phthalate	ND		43	4.5	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Fluoranthene	**110**		8.7	0.92	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Fluorene	**1.7**	**J**	8.7	1.1	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Hexachlorobenzene	ND		8.7	0.92	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Hexachlorobutadiene	ND		8.7	0.96	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Hexachlorocyclopentadiene	ND		43	4.6	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Hexachloroethane	ND		43	3.1	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Indeno[1,2,3-cd]pyrene	**57**		8.7	0.89	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Isophorone	ND		43	3.2	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
2-Methylnaphthalene	**10**		8.7	0.78	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
2-Methylphenol	ND		43	3.0	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Methylphenol, 3 & 4	ND		43	4.2	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Naphthalene	**13**		8.7	0.74	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
2-Nitroaniline	ND		220	19	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
3-Nitroaniline	ND		220	18	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
4-Nitroaniline	ND		220	17	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Nitrobenzene	ND		86	3.6	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
2-Nitrophenol	ND		43	4.8	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
4-Nitrophenol	ND		220	16	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
N-Nitrosodi-n-propylamine	ND		8.7	1.0	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1

Client Sample ID: SSHS-FB9-A-SS
Lab Sample ID: 180-35079-35
Date Collected: 07/22/14 13:15
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 76.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		43	4.0	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
2,2'-oxybis[1-chloropropane]	ND		8.7	0.93	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Pentachlorophenol	ND		43	3.9	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Phenanthrene	**37**		8.7	1.4	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Phenol	ND		8.7	1.0	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
Pyrene	**74**		8.7	0.87	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
1,2,4,5-Tetrachlorobenzene	ND		43	3.3	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
2,3,4,6-Tetrachlorophenol	ND		43	2.8	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
2,4,5-Trichlorophenol	ND		43	4.6	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1
2,4,6-Trichlorophenol	ND		43	6.5	ug/Kg	☼	07/25/14 03:00	07/25/14 13:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*74*	*T J*	*ug/Kg*	☼	*11.42*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*110*	*T J*	*ug/Kg*	☼	*11.92*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*12.74*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*120*	*T J*	*ug/Kg*	☼	*13.32*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*79*	*T J*	*ug/Kg*	☼	*13.59*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*13.92*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*100*	*T J*	*ug/Kg*	☼	*14.84*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*110*	*T J*	*ug/Kg*	☼	*15.06*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*310*	*T J*	*ug/Kg*	☼	*16.12*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*4600*	*T J*	*ug/Kg*	☼	*16.29*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown Cycloalkane	*5300*	*T J*	*ug/Kg*	☼	*16.75*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*16.86*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*17.03*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*74*	*T J*	*ug/Kg*	☼	*17.43*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*2800*	*T J*	*ug/Kg*	☼	*17.78*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*17.93*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown Straight Chain Alkane	*1300*	*T J*	*ug/Kg*	☼	*18.17*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*1300*	*T J*	*ug/Kg*	☼	*18.24*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*430*	*T J*	*ug/Kg*	☼	*18.36*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*18.53*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*76*	*T J*	*ug/Kg*	☼	*18.75*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*90*	*T J*	*ug/Kg*	☼	*18.91*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*1800*	*T J*	*ug/Kg*	☼	*19.34*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown Straight Chain Alkane	*1000*	*T J*	*ug/Kg*	☼	*19.76*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*120*	*T J*	*ug/Kg*	☼	*19.88*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*20.01*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*110*	*T J*	*ug/Kg*	☼	*20.24*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*130*	*T J*	*ug/Kg*	☼	*20.44*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*99*	*T J*	*ug/Kg*	☼	*20.68*		*07/25/14 03:00*	*07/25/14 13:17*	*1*
Unknown	*120*	*T J*	*ug/Kg*	☼	*20.82*		*07/25/14 03:00*	*07/25/14 13:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*28 - 108*	*07/25/14 03:00*	*07/25/14 13:17*	*1*
2-Fluorophenol (Surr)	*41*		*28 - 107*	*07/25/14 03:00*	*07/25/14 13:17*	*1*
Nitrobenzene-d5 (Surr)	*58*		*27 - 110*	*07/25/14 03:00*	*07/25/14 13:17*	*1*
Phenol-d5 (Surr)	*42*		*30 - 112*	*07/25/14 03:00*	*07/25/14 13:17*	*1*
Terphenyl-d14 (Surr)	*44*		*21 - 130*	*07/25/14 03:00*	*07/25/14 13:17*	*1*
2,4,6-Tribromophenol (Surr)	*47*		*21 - 116*	*07/25/14 03:00*	*07/25/14 13:17*	*1*

Client Sample Results

Client Sample ID: SSHS-FB9-A-SS

Lab Sample ID: 180-35079-35

Date Collected: 07/22/14 13:15
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 76.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	1.6	ug/Kg	☼	07/25/14 03:10	07/27/14 01:54	10
PCB-1221	ND		11	2.1	ug/Kg	☼	07/25/14 03:10	07/27/14 01:54	10
PCB-1232	ND		11	1.8	ug/Kg	☼	07/25/14 03:10	07/27/14 01:54	10
PCB-1242	ND		11	1.8	ug/Kg	☼	07/25/14 03:10	07/27/14 01:54	10
PCB-1248	**1200**		11	1.0	ug/Kg	☼	07/25/14 03:10	07/27/14 01:54	10
PCB-1254	**800**		11	1.5	ug/Kg	☼	07/25/14 03:10	07/27/14 01:54	10
PCB-1260	ND		11	1.5	ug/Kg	☼	07/25/14 03:10	07/27/14 01:54	10
PCB-1262	**91**		11	2.4	ug/Kg	☼	07/25/14 03:10	07/27/14 01:54	10
PCB-1268	ND		11	1.4	ug/Kg	☼	07/25/14 03:10	07/27/14 01:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*20 - 150*	*07/25/14 03:10*	*07/27/14 01:54*	*10*
Tetrachloro-m-xylene (Surr)	*58*		*30 - 150*	*07/25/14 03:10*	*07/27/14 01:54*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**23**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**77**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: EB-20140722

Lab Sample ID: 180-35079-36

Date Collected: 07/22/14 13:45
Matrix: Water
Date Received: 07/23/14 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.014	ug/L		07/24/14 07:24	07/25/14 17:26	1
Acenaphthylene	ND		0.19	0.015	ug/L		07/24/14 07:24	07/25/14 17:26	1
Acetophenone	ND		0.97	0.078	ug/L		07/24/14 07:24	07/25/14 17:26	1
Anthracene	ND		0.19	0.015	ug/L		07/24/14 07:24	07/25/14 17:26	1
Atrazine	ND		0.97	0.087	ug/L		07/24/14 07:24	07/25/14 17:26	1
Benzaldehyde	ND	*	0.97	0.15	ug/L		07/24/14 07:24	07/25/14 17:26	1
Benzo[a]anthracene	ND		0.19	0.014	ug/L		07/24/14 07:24	07/25/14 17:26	1
Benzo[a]pyrene	ND		0.19	0.013	ug/L		07/24/14 07:24	07/25/14 17:26	1
Benzo[b]fluoranthene	ND		0.19	0.015	ug/L		07/24/14 07:24	07/25/14 17:26	1
Benzo[g,h,i]perylene	ND		0.19	0.015	ug/L		07/24/14 07:24	07/25/14 17:26	1
Benzo[k]fluoranthene	ND		0.19	0.053	ug/L		07/24/14 07:24	07/25/14 17:26	1
1,1'-Biphenyl	ND		0.97	0.040	ug/L		07/24/14 07:24	07/25/14 17:26	1
Bis(2-chloroethoxy)methane	ND		0.97	0.056	ug/L		07/24/14 07:24	07/25/14 17:26	1
Bis(2-chloroethyl)ether	ND		0.19	0.024	ug/L		07/24/14 07:24	07/25/14 17:26	1
Bis(2-ethylhexyl) phthalate	ND		1.9	1.2	ug/L		07/24/14 07:24	07/25/14 17:26	1
4-Bromophenyl phenyl ether	ND		0.97	0.062	ug/L		07/24/14 07:24	07/25/14 17:26	1
Butyl benzyl phthalate	ND		0.97	0.14	ug/L		07/24/14 07:24	07/25/14 17:26	1
Caprolactam	ND		4.9	1.2	ug/L		07/24/14 07:24	07/25/14 17:26	1
Carbazole	ND		0.19	0.015	ug/L		07/24/14 07:24	07/25/14 17:26	1
4-Chloroaniline	ND		0.97	0.086	ug/L		07/24/14 07:24	07/25/14 17:26	1
4-Chloro-3-methylphenol	ND		0.97	0.073	ug/L		07/24/14 07:24	07/25/14 17:26	1
2-Chloronaphthalene	ND		0.19	0.015	ug/L		07/24/14 07:24	07/25/14 17:26	1
2-Chlorophenol	ND		0.97	0.16	ug/L		07/24/14 07:24	07/25/14 17:26	1
4-Chlorophenyl phenyl ether	ND		0.97	0.049	ug/L		07/24/14 07:24	07/25/14 17:26	1
Chrysene	ND		0.19	0.014	ug/L		07/24/14 07:24	07/25/14 17:26	1

Client Sample ID: EB-20140722
Date Collected: 07/22/14 13:45
Date Received: 07/23/14 09:10

Lab Sample ID: 180-35079-36
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.19	0.015	ug/L		07/24/14 07:24	07/25/14 17:26	1
Dibenzofuran	ND		0.97	0.060	ug/L		07/24/14 07:24	07/25/14 17:26	1
3,3'-Dichlorobenzidine	ND		0.97	0.11	ug/L		07/24/14 07:24	07/25/14 17:26	1
2,4-Dichlorophenol	ND		0.19	0.032	ug/L		07/24/14 07:24	07/25/14 17:26	1
Diethyl phthalate	ND		0.97	0.14	ug/L		07/24/14 07:24	07/25/14 17:26	1
2,4-Dimethylphenol	ND		0.97	0.083	ug/L		07/24/14 07:24	07/25/14 17:26	1
Dimethyl phthalate	ND		0.97	0.074	ug/L		07/24/14 07:24	07/25/14 17:26	1
Di-n-butyl phthalate	ND		0.97	0.12	ug/L		07/24/14 07:24	07/25/14 17:26	1
4,6-Dinitro-2-methylphenol	ND		4.9	0.21	ug/L		07/24/14 07:24	07/25/14 17:26	1
2,4-Dinitrophenol	ND		4.9	0.60	ug/L		07/24/14 07:24	07/25/14 17:26	1
2,4-Dinitrotoluene	ND		0.97	0.052	ug/L		07/24/14 07:24	07/25/14 17:26	1
2,6-Dinitrotoluene	ND		0.97	0.077	ug/L		07/24/14 07:24	07/25/14 17:26	1
Di-n-octyl phthalate	ND		0.97	0.20	ug/L		07/24/14 07:24	07/25/14 17:26	1
Fluoranthene	ND		0.19	0.016	ug/L		07/24/14 07:24	07/25/14 17:26	1
Fluorene	ND		0.19	0.021	ug/L		07/24/14 07:24	07/25/14 17:26	1
Hexachlorobenzene	ND		0.19	0.018	ug/L		07/24/14 07:24	07/25/14 17:26	1
Hexachlorobutadiene	ND		0.19	0.016	ug/L		07/24/14 07:24	07/25/14 17:26	1
Hexachlorocyclopentadiene	ND		0.97	0.050	ug/L		07/24/14 07:24	07/25/14 17:26	1
Hexachloroethane	ND		0.97	0.061	ug/L		07/24/14 07:24	07/25/14 17:26	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.019	ug/L		07/24/14 07:24	07/25/14 17:26	1
Isophorone	ND		0.97	0.063	ug/L		07/24/14 07:24	07/25/14 17:26	1
2-Methylnaphthalene	ND		0.19	0.012	ug/L		07/24/14 07:24	07/25/14 17:26	1
2-Methylphenol	ND		0.97	0.084	ug/L		07/24/14 07:24	07/25/14 17:26	1
Methylphenol, 3 & 4	ND		0.97	0.088	ug/L		07/24/14 07:24	07/25/14 17:26	1
Naphthalene	ND		0.19	0.014	ug/L		07/24/14 07:24	07/25/14 17:26	1
2-Nitroaniline	ND		4.9	0.34	ug/L		07/24/14 07:24	07/25/14 17:26	1
3-Nitroaniline	ND		4.9	0.31	ug/L		07/24/14 07:24	07/25/14 17:26	1
4-Nitroaniline	ND		4.9	0.17	ug/L		07/24/14 07:24	07/25/14 17:26	1
Nitrobenzene	ND		1.9	0.082	ug/L		07/24/14 07:24	07/25/14 17:26	1
2-Nitrophenol	ND		0.97	0.17	ug/L		07/24/14 07:24	07/25/14 17:26	1
4-Nitrophenol	ND		4.9	0.63	ug/L		07/24/14 07:24	07/25/14 17:26	1
N-Nitrosodi-n-propylamine	ND		0.19	0.030	ug/L		07/24/14 07:24	07/25/14 17:26	1
N-Nitrosodiphenylamine	ND		0.97	0.083	ug/L		07/24/14 07:24	07/25/14 17:26	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.019	ug/L		07/24/14 07:24	07/25/14 17:26	1
Pentachlorophenol	ND		0.97	0.064	ug/L		07/24/14 07:24	07/25/14 17:26	1
Phenanthrene	ND		0.19	0.041	ug/L		07/24/14 07:24	07/25/14 17:26	1
Phenol	ND		0.19	0.056	ug/L		07/24/14 07:24	07/25/14 17:26	1
Pyrene	ND		0.19	0.015	ug/L		07/24/14 07:24	07/25/14 17:26	1
1,2,4,5-Tetrachlorobenzene	ND		0.97	0.063	ug/L		07/24/14 07:24	07/25/14 17:26	1
2,3,4,6-Tetrachlorophenol	ND		0.97	0.13	ug/L		07/24/14 07:24	07/25/14 17:26	1
2,4,5-Trichlorophenol	ND		0.97	0.15	ug/L		07/24/14 07:24	07/25/14 17:26	1
2,4,6-Trichlorophenol	ND		0.97	0.17	ug/L		07/24/14 07:24	07/25/14 17:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/24/14 07:24*	*07/25/14 17:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*19 - 107*	*07/24/14 07:24*	*07/25/14 17:26*	*1*
2-Fluorophenol (Surr)	*76*		*10 - 111*	*07/24/14 07:24*	*07/25/14 17:26*	*1*
Nitrobenzene-d5 (Surr)	*77*		*23 - 112*	*07/24/14 07:24*	*07/25/14 17:26*	*1*

Client Sample ID: EB-20140722

Lab Sample ID: 180-35079-36

Date Collected: 07/22/14 13:45

Matrix: Water

Date Received: 07/23/14 09:10

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*75*		*15 - 112*	*07/24/14 07:24*	*07/25/14 17:26*	*1*
Terphenyl-d14 (Surr)	*76*		*10 - 132*	*07/24/14 07:24*	*07/25/14 17:26*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*16 - 122*	*07/24/14 07:24*	*07/25/14 17:26*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.042	0.010	ug/L		07/25/14 14:00	07/28/14 01:04	1
PCB-1221	ND		0.042	0.010	ug/L		07/25/14 14:00	07/28/14 01:04	1
PCB-1232	ND		0.042	0.012	ug/L		07/25/14 14:00	07/28/14 01:04	1
PCB-1242	ND		0.042	0.0077	ug/L		07/25/14 14:00	07/28/14 01:04	1
PCB-1248	ND		0.042	0.0095	ug/L		07/25/14 14:00	07/28/14 01:04	1
PCB-1254	ND		0.042	0.0095	ug/L		07/25/14 14:00	07/28/14 01:04	1
PCB-1260	ND		0.042	0.0056	ug/L		07/25/14 14:00	07/28/14 01:04	1
PCB-1262	ND		0.042	0.0086	ug/L		07/25/14 14:00	07/28/14 01:04	1
PCB-1268	ND		0.042	0.011	ug/L		07/25/14 14:00	07/28/14 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*60 - 135*	*07/25/14 14:00*	*07/28/14 01:04*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*25 - 150*	*07/25/14 14:00*	*07/28/14 01:04*	*1*

Client Sample ID: SSHS-FB4-A-SS

Lab Sample ID: 180-35079-37

Date Collected: 07/22/14 14:10

Matrix: Solid

Date Received: 07/23/14 09:10

Percent Solids: 72.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	1.7	ug/Kg	☼	07/25/14 03:10	07/27/14 02:27	10
PCB-1221	ND		11	2.2	ug/Kg	☼	07/25/14 03:10	07/27/14 02:27	10
PCB-1232	ND		11	1.9	ug/Kg	☼	07/25/14 03:10	07/27/14 02:27	10
PCB-1242	ND		11	1.9	ug/Kg	☼	07/25/14 03:10	07/27/14 02:27	10
PCB-1248	**37**		11	1.1	ug/Kg	☼	07/25/14 03:10	07/27/14 02:27	10
PCB-1254	**61**		11	1.6	ug/Kg	☼	07/25/14 03:10	07/27/14 02:27	10
PCB-1260	ND		11	1.6	ug/Kg	☼	07/25/14 03:10	07/27/14 02:27	10
PCB-1262	ND		11	2.5	ug/Kg	☼	07/25/14 03:10	07/27/14 02:27	10
PCB-1268	ND		11	1.5	ug/Kg	☼	07/25/14 03:10	07/27/14 02:27	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*		*20 - 150*	*07/25/14 03:10*	*07/27/14 02:27*	*10*
Tetrachloro-m-xylene (Surr)	*82*		*30 - 150*	*07/25/14 03:10*	*07/27/14 02:27*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**28**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**72**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-SS15-SS

Lab Sample ID: 180-35079-38

Date Collected: 07/22/14 14:15
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 78.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	1.6	ug/Kg	☼	07/25/14 03:10	07/27/14 02:59	10
PCB-1221	ND		11	2.0	ug/Kg	☼	07/25/14 03:10	07/27/14 02:59	10
PCB-1232	ND		11	1.8	ug/Kg	☼	07/25/14 03:10	07/27/14 02:59	10
PCB-1242	ND		11	1.7	ug/Kg	☼	07/25/14 03:10	07/27/14 02:59	10
PCB-1248	**42**		11	1.0	ug/Kg	☼	07/25/14 03:10	07/27/14 02:59	10
PCB-1254	**36**		11	1.5	ug/Kg	☼	07/25/14 03:10	07/27/14 02:59	10
PCB-1260	ND		11	1.5	ug/Kg	☼	07/25/14 03:10	07/27/14 02:59	10
PCB-1262	**7.4**	**J**	11	2.3	ug/Kg	☼	07/25/14 03:10	07/27/14 02:59	10
PCB-1268	ND		11	1.4	ug/Kg	☼	07/25/14 03:10	07/27/14 02:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*20 - 150*	*07/25/14 03:10*	*07/27/14 02:59*	*10*
Tetrachloro-m-xylene (Surr)	*73*		*30 - 150*	*07/25/14 03:10*	*07/27/14 02:59*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**22**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**78**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-DUP5

Lab Sample ID: 180-35079-39

Date Collected: 07/22/14 00:00
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 75.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**16**		8.8	0.84	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Acenaphthylene	**42**		8.8	1.0	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Acetophenone	**6.2**	**J**	44	3.6	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Anthracene	**55**		8.8	0.86	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Atrazine	ND		44	4.3	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Benzaldehyde	ND		44	6.6	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Benzo[a]anthracene	**110**		8.8	1.1	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Benzo[a]pyrene	**100**		8.8	0.88	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Benzo[b]fluoranthene	**130**		8.8	1.4	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Benzo[g,h,i]perylene	**93**		8.8	0.88	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Benzo[k]fluoranthene	**52**		8.8	1.8	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
1,1'-Biphenyl	ND		44	3.9	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Bis(2-chloroethoxy)methane	ND		44	2.9	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Bis(2-chloroethyl)ether	ND		8.8	1.2	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Bis(2-ethylhexyl) phthalate	**61**	**J**	88	7.1	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
4-Bromophenyl phenyl ether	ND		44	3.8	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Butyl benzyl phthalate	**31**	**J**	44	6.0	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Caprolactam	ND		220	33	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Carbazole	**17**		8.8	0.81	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
4-Chloroaniline	ND		44	3.5	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
4-Chloro-3-methylphenol	ND		44	4.0	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
2-Chloronaphthalene	ND		8.8	0.92	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
2-Chlorophenol	ND		44	3.6	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
4-Chlorophenyl phenyl ether	ND		44	4.9	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Chrysene	**120**		8.8	1.0	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1

Client Sample Results

Client Sample ID: SSHS-DUP5

Lab Sample ID: 180-35079-39

Date Collected: 07/22/14 00:00
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 75.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	**26**		8.8	0.98	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Dibenzofuran	**8.0**	**J**	44	4.3	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
3,3'-Dichlorobenzidine	ND		44	4.7	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
2,4-Dichlorophenol	ND		8.8	0.88	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Diethyl phthalate	ND		44	4.8	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
2,4-Dimethylphenol	ND		44	6.9	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Dimethyl phthalate	ND		44	4.8	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Di-n-butyl phthalate	**10**	**J**	44	5.5	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
4,6-Dinitro-2-methylphenol	ND		220	18	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
2,4-Dinitrophenol	ND		220	52	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
2,4-Dinitrotoluene	ND		44	3.6	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
2,6-Dinitrotoluene	ND		44	4.5	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Di-n-octyl phthalate	ND		44	4.6	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Fluoranthene	**220**		8.8	0.94	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Fluorene	**16**		8.8	1.2	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Hexachlorobenzene	ND		8.8	0.94	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Hexachlorobutadiene	ND		8.8	0.98	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Hexachlorocyclopentadiene	ND		44	4.7	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Hexachloroethane	ND		44	3.2	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Indeno[1,2,3-cd]pyrene	**82**		8.8	0.91	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Isophorone	ND		44	3.3	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
2-Methylnaphthalene	**8.5**	**J**	8.8	0.79	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
2-Methylphenol	ND		44	3.1	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Methylphenol, 3 & 4	ND		44	4.3	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Naphthalene	**11**		8.8	0.76	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
2-Nitroaniline	ND		220	20	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
3-Nitroaniline	ND		220	18	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
4-Nitroaniline	ND		220	18	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Nitrobenzene	ND		88	3.7	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
2-Nitrophenol	ND		44	4.8	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
4-Nitrophenol	ND		220	16	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
N-Nitrosodi-n-propylamine	ND		8.8	1.0	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
N-Nitrosodiphenylamine	ND		44	4.1	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
2,2'-oxybis[1-chloropropane]	ND		8.8	0.95	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Pentachlorophenol	ND		44	3.9	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Phenanthrene	**110**		8.8	1.4	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Phenol	ND		8.8	1.0	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
Pyrene	**150**		8.8	0.89	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
1,2,4,5-Tetrachlorobenzene	ND		44	3.3	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
2,3,4,6-Tetrachlorophenol	ND		44	2.8	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
2,4,5-Trichlorophenol	ND		44	4.7	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1
2,4,6-Trichlorophenol	ND		44	6.6	ug/Kg	☼	07/25/14 03:00	07/25/14 13:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*250*	*T J*	*ug/Kg*	☼	*6.90*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*9.10*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*92*	*T J*	*ug/Kg*	☼	*10.94*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*130*	*T J*	*ug/Kg*	☼	*11.26*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*470*	*T J*	*ug/Kg*	☼	*11.91*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*380*	*T J*	*ug/Kg*	☼	*12.73*		*07/25/14 03:00*	*07/25/14 13:44*	*1*

Client Sample ID: SSHS-DUP5
Date Collected: 07/22/14 00:00
Date Received: 07/23/14 09:10

Lab Sample ID: 180-35079-39
Matrix: Solid
Percent Solids: 75.8

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

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*230*	*T J*	*ug/Kg*	☼	*13.31*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*13.36*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*140*	*T J*	*ug/Kg*	☼	*13.91*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*14.36*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown PAH	*460*	*T J*	*ug/Kg*	☼	*15.07*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown Straight Chain Alkane	*93*	*T J*	*ug/Kg*	☼	*15.96*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*410*	*T J*	*ug/Kg*	☼	*16.11*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*7400*	*T J*	*ug/Kg*	☼	*16.29*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*7300*	*T J*	*ug/Kg*	☼	*16.75*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown PAH	*390*	*T J*	*ug/Kg*	☼	*17.02*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*3900*	*T J*	*ug/Kg*	☼	*17.77*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*17.90*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown Straight Chain Alkane	*1800*	*T J*	*ug/Kg*	☼	*18.16*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*2200*	*T J*	*ug/Kg*	☼	*18.23*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*550*	*T J*	*ug/Kg*	☼	*18.34*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*370*	*T J*	*ug/Kg*	☼	*18.51*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*18.73*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*2800*	*T J*	*ug/Kg*	☼	*19.32*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown Straight Chain Alkane	*1400*	*T J*	*ug/Kg*	☼	*19.74*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*960*	*T J*	*ug/Kg*	☼	*19.88*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*490*	*T J*	*ug/Kg*	☼	*19.98*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*20.34*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*410*	*T J*	*ug/Kg*	☼	*20.41*		*07/25/14 03:00*	*07/25/14 13:44*	*1*
Unknown	*130*	*T J*	*ug/Kg*	☼	*20.65*		*07/25/14 03:00*	*07/25/14 13:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*28 - 108*	*07/25/14 03:00*	*07/25/14 13:44*	*1*
2-Fluorophenol (Surr)	*52*		*28 - 107*	*07/25/14 03:00*	*07/25/14 13:44*	*1*
Nitrobenzene-d5 (Surr)	*74*		*27 - 110*	*07/25/14 03:00*	*07/25/14 13:44*	*1*
Phenol-d5 (Surr)	*57*		*30 - 112*	*07/25/14 03:00*	*07/25/14 13:44*	*1*
Terphenyl-d14 (Surr)	*60*		*21 - 130*	*07/25/14 03:00*	*07/25/14 13:44*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*21 - 116*	*07/25/14 03:00*	*07/25/14 13:44*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11	1.6	ug/Kg	☼	07/25/14 03:10	07/27/14 04:03	10
PCB-1221	ND		11	2.1	ug/Kg	☼	07/25/14 03:10	07/27/14 04:03	10
PCB-1232	ND		11	1.9	ug/Kg	☼	07/25/14 03:10	07/27/14 04:03	10
PCB-1242	ND		11	1.8	ug/Kg	☼	07/25/14 03:10	07/27/14 04:03	10
PCB-1248	**230**		11	1.0	ug/Kg	☼	07/25/14 03:10	07/27/14 04:03	10
PCB-1254	**190**		11	1.6	ug/Kg	☼	07/25/14 03:10	07/27/14 04:03	10
PCB-1260	ND		11	1.6	ug/Kg	☼	07/25/14 03:10	07/27/14 04:03	10
PCB-1262	ND		11	2.4	ug/Kg	☼	07/25/14 03:10	07/27/14 04:03	10
PCB-1268	ND		11	1.4	ug/Kg	☼	07/25/14 03:10	07/27/14 04:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*20 - 150*	*07/25/14 03:10*	*07/27/14 04:03*	*10*
Tetrachloro-m-xylene (Surr)	*78*		*30 - 150*	*07/25/14 03:10*	*07/27/14 04:03*	*10*

Client Sample ID: SSHS-DUP5

Lab Sample ID: 180-35079-39

Date Collected: 07/22/14 00:00
Matrix: Solid
Date Received: 07/23/14 09:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**24**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**76**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-SS12-DUP6

Lab Sample ID: 180-35079-40

Date Collected: 07/22/14 00:00
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 92.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		180	27	ug/Kg	☼	07/25/14 03:10	07/27/14 22:55	200
PCB-1221	ND		180	35	ug/Kg	☼	07/25/14 03:10	07/27/14 22:55	200
PCB-1232	ND		180	31	ug/Kg	☼	07/25/14 03:10	07/27/14 22:55	200
PCB-1242	ND		180	29	ug/Kg	☼	07/25/14 03:10	07/27/14 22:55	200
PCB-1248	**22000**		180	17	ug/Kg	☼	07/25/14 03:10	07/27/14 22:55	200
PCB-1254	**12000**		180	26	ug/Kg	☼	07/25/14 03:10	07/27/14 22:55	200
PCB-1260	ND		180	26	ug/Kg	☼	07/25/14 03:10	07/27/14 22:55	200
PCB-1262	ND		180	40	ug/Kg	☼	07/25/14 03:10	07/27/14 22:55	200
PCB-1268	ND		180	23	ug/Kg	☼	07/25/14 03:10	07/27/14 22:55	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*320*	*X D*	*20 - 150*	*07/25/14 03:10*	*07/27/14 22:55*	*200*
Tetrachloro-m-xylene (Surr)	*98*	*D*	*30 - 150*	*07/25/14 03:10*	*07/27/14 22:55*	*200*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.9**		0.10	0.10	%			07/24/14 14:38	1
Percent Solids	**92**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-DUP7

Lab Sample ID: 180-35079-41

Date Collected: 07/22/14 00:00
Matrix: Solid
Date Received: 07/23/14 09:10
Percent Solids: 91.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.1	1.4	ug/Kg	☼	07/25/14 03:10	07/27/14 05:08	10
PCB-1221	ND		9.1	1.7	ug/Kg	☼	07/25/14 03:10	07/27/14 05:08	10
PCB-1232	ND		9.1	1.6	ug/Kg	☼	07/25/14 03:10	07/27/14 05:08	10
PCB-1242	ND		9.1	1.5	ug/Kg	☼	07/25/14 03:10	07/27/14 05:08	10
PCB-1248	ND		9.1	0.86	ug/Kg	☼	07/25/14 03:10	07/27/14 05:08	10
PCB-1254	ND		9.1	1.3	ug/Kg	☼	07/25/14 03:10	07/27/14 05:08	10
PCB-1260	ND		9.1	1.3	ug/Kg	☼	07/25/14 03:10	07/27/14 05:08	10
PCB-1262	ND		9.1	2.0	ug/Kg	☼	07/25/14 03:10	07/27/14 05:08	10
PCB-1268	ND		9.1	1.2	ug/Kg	☼	07/25/14 03:10	07/27/14 05:08	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*20 - 150*	*07/25/14 03:10*	*07/27/14 05:08*	*10*
Tetrachloro-m-xylene (Surr)	*85*		*30 - 150*	*07/25/14 03:10*	*07/27/14 05:08*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		0.10	0.10	%			07/24/14 14:38	1

Client Sample Results

Client Sample ID: SSHS-DUP7

Lab Sample ID: 180-35079-41

Date Collected: 07/22/14 00:00

Matrix: Solid

Date Received: 07/23/14 09:10

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**91**		0.10	0.10	%			07/24/14 14:38	1

Client Sample ID: SSHS-B15-DUP8

Lab Sample ID: 180-35079-42

Date Collected: 07/22/14 00:00

Matrix: Solid

Date Received: 07/23/14 09:10

Percent Solids: 90.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		9.1	1.4	ug/Kg	☼	07/25/14 03:10	07/27/14 05:40	10
PCB-1221	ND		9.1	1.7	ug/Kg	☼	07/25/14 03:10	07/27/14 05:40	10
PCB-1232	ND		9.1	1.6	ug/Kg	☼	07/25/14 03:10	07/27/14 05:40	10
PCB-1242	ND		9.1	1.5	ug/Kg	☼	07/25/14 03:10	07/27/14 05:40	10
PCB-1248	**160**		9.1	0.86	ug/Kg	☼	07/25/14 03:10	07/27/14 05:40	10
PCB-1254	**97**		9.1	1.3	ug/Kg	☼	07/25/14 03:10	07/27/14 05:40	10
PCB-1260	ND		9.1	1.3	ug/Kg	☼	07/25/14 03:10	07/27/14 05:40	10
PCB-1262	**16**		9.1	2.0	ug/Kg	☼	07/25/14 03:10	07/27/14 05:40	10
PCB-1268	ND		9.1	1.2	ug/Kg	☼	07/25/14 03:10	07/27/14 05:40	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*20 - 150*	*07/25/14 03:10*	*07/27/14 05:40*	*10*
Tetrachloro-m-xylene (Surr)	*65*		*30 - 150*	*07/25/14 03:10*	*07/27/14 05:40*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.5**		0.10	0.10	%			07/24/14 15:10	1
Percent Solids	**91**		0.10	0.10	%			07/24/14 15:10	1

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

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

Lab Sample ID: MB 180-112437/1-A
Matrix: Water
Analysis Batch: 112596

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112437

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.014	ug/L		07/24/14 07:24	07/25/14 14:08	1
Acenaphthylene	ND		0.20	0.015	ug/L		07/24/14 07:24	07/25/14 14:08	1
Acetophenone	ND		1.0	0.080	ug/L		07/24/14 07:24	07/25/14 14:08	1
Anthracene	ND		0.20	0.015	ug/L		07/24/14 07:24	07/25/14 14:08	1
Atrazine	ND		1.0	0.089	ug/L		07/24/14 07:24	07/25/14 14:08	1
Benzaldehyde	ND		1.0	0.15	ug/L		07/24/14 07:24	07/25/14 14:08	1
Benzo[a]anthracene	ND		0.20	0.015	ug/L		07/24/14 07:24	07/25/14 14:08	1
Benzo[a]pyrene	ND		0.20	0.013	ug/L		07/24/14 07:24	07/25/14 14:08	1
Benzo[b]fluoranthene	ND		0.20	0.016	ug/L		07/24/14 07:24	07/25/14 14:08	1
Benzo[g,h,i]perylene	ND		0.20	0.015	ug/L		07/24/14 07:24	07/25/14 14:08	1
Benzo[k]fluoranthene	ND		0.20	0.055	ug/L		07/24/14 07:24	07/25/14 14:08	1
1,1'-Biphenyl	ND		1.0	0.042	ug/L		07/24/14 07:24	07/25/14 14:08	1
Bis(2-chloroethoxy)methane	ND		1.0	0.058	ug/L		07/24/14 07:24	07/25/14 14:08	1
Bis(2-chloroethyl)ether	ND		0.20	0.025	ug/L		07/24/14 07:24	07/25/14 14:08	1
Bis(2-ethylhexyl) phthalate	ND		2.0	1.3	ug/L		07/24/14 07:24	07/25/14 14:08	1
4-Bromophenyl phenyl ether	ND		1.0	0.064	ug/L		07/24/14 07:24	07/25/14 14:08	1
Butyl benzyl phthalate	ND		1.0	0.14	ug/L		07/24/14 07:24	07/25/14 14:08	1
Caprolactam	ND		5.0	1.2	ug/L		07/24/14 07:24	07/25/14 14:08	1
Carbazole	ND		0.20	0.016	ug/L		07/24/14 07:24	07/25/14 14:08	1
4-Chloroaniline	ND		1.0	0.089	ug/L		07/24/14 07:24	07/25/14 14:08	1
4-Chloro-3-methylphenol	ND		1.0	0.075	ug/L		07/24/14 07:24	07/25/14 14:08	1
2-Chloronaphthalene	ND		0.20	0.015	ug/L		07/24/14 07:24	07/25/14 14:08	1
2-Chlorophenol	ND		1.0	0.17	ug/L		07/24/14 07:24	07/25/14 14:08	1
4-Chlorophenyl phenyl ether	ND		1.0	0.050	ug/L		07/24/14 07:24	07/25/14 14:08	1
Chrysene	ND		0.20	0.014	ug/L		07/24/14 07:24	07/25/14 14:08	1
Dibenz(a,h)anthracene	ND		0.20	0.016	ug/L		07/24/14 07:24	07/25/14 14:08	1
Dibenzofuran	ND		1.0	0.062	ug/L		07/24/14 07:24	07/25/14 14:08	1
3,3'-Dichlorobenzidine	ND		1.0	0.11	ug/L		07/24/14 07:24	07/25/14 14:08	1
2,4-Dichlorophenol	ND		0.20	0.033	ug/L		07/24/14 07:24	07/25/14 14:08	1
Diethyl phthalate	ND		1.0	0.15	ug/L		07/24/14 07:24	07/25/14 14:08	1
2,4-Dimethylphenol	ND		1.0	0.085	ug/L		07/24/14 07:24	07/25/14 14:08	1
Dimethyl phthalate	ND		1.0	0.077	ug/L		07/24/14 07:24	07/25/14 14:08	1
Di-n-butyl phthalate	ND		1.0	0.12	ug/L		07/24/14 07:24	07/25/14 14:08	1
4,6-Dinitro-2-methylphenol	ND		5.0	0.22	ug/L		07/24/14 07:24	07/25/14 14:08	1
2,4-Dinitrophenol	ND		5.0	0.61	ug/L		07/24/14 07:24	07/25/14 14:08	1
2,4-Dinitrotoluene	ND		1.0	0.054	ug/L		07/24/14 07:24	07/25/14 14:08	1
2,6-Dinitrotoluene	ND		1.0	0.080	ug/L		07/24/14 07:24	07/25/14 14:08	1
Di-n-octyl phthalate	ND		1.0	0.21	ug/L		07/24/14 07:24	07/25/14 14:08	1
Fluoranthene	ND		0.20	0.016	ug/L		07/24/14 07:24	07/25/14 14:08	1
Fluorene	ND		0.20	0.022	ug/L		07/24/14 07:24	07/25/14 14:08	1
Hexachlorobenzene	ND		0.20	0.018	ug/L		07/24/14 07:24	07/25/14 14:08	1
Hexachlorobutadiene	ND		0.20	0.017	ug/L		07/24/14 07:24	07/25/14 14:08	1
Hexachlorocyclopentadiene	ND		1.0	0.052	ug/L		07/24/14 07:24	07/25/14 14:08	1
Hexachloroethane	ND		1.0	0.063	ug/L		07/24/14 07:24	07/25/14 14:08	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.020	ug/L		07/24/14 07:24	07/25/14 14:08	1
Isophorone	ND		1.0	0.064	ug/L		07/24/14 07:24	07/25/14 14:08	1
2-Methylnaphthalene	ND		0.20	0.012	ug/L		07/24/14 07:24	07/25/14 14:08	1
2-Methylphenol	ND		1.0	0.086	ug/L		07/24/14 07:24	07/25/14 14:08	1

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

Lab Sample ID: MB 180-112437/1-A
Matrix: Water
Analysis Batch: 112596

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112437

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		1.0	0.090	ug/L		07/24/14 07:24	07/25/14 14:08	1
Naphthalene	ND		0.20	0.014	ug/L		07/24/14 07:24	07/25/14 14:08	1
2-Nitroaniline	ND		5.0	0.35	ug/L		07/24/14 07:24	07/25/14 14:08	1
3-Nitroaniline	ND		5.0	0.32	ug/L		07/24/14 07:24	07/25/14 14:08	1
4-Nitroaniline	ND		5.0	0.17	ug/L		07/24/14 07:24	07/25/14 14:08	1
Nitrobenzene	ND		2.0	0.084	ug/L		07/24/14 07:24	07/25/14 14:08	1
2-Nitrophenol	ND		1.0	0.17	ug/L		07/24/14 07:24	07/25/14 14:08	1
4-Nitrophenol	ND		5.0	0.65	ug/L		07/24/14 07:24	07/25/14 14:08	1
N-Nitrosodi-n-propylamine	ND		0.20	0.031	ug/L		07/24/14 07:24	07/25/14 14:08	1
N-Nitrosodiphenylamine	ND		1.0	0.085	ug/L		07/24/14 07:24	07/25/14 14:08	1
2,2'-oxybis[1-chloropropane]	ND		0.20	0.020	ug/L		07/24/14 07:24	07/25/14 14:08	1
Pentachlorophenol	ND		1.0	0.066	ug/L		07/24/14 07:24	07/25/14 14:08	1
Phenanthrene	ND		0.20	0.043	ug/L		07/24/14 07:24	07/25/14 14:08	1
Phenol	ND		0.20	0.058	ug/L		07/24/14 07:24	07/25/14 14:08	1
Pyrene	ND		0.20	0.016	ug/L		07/24/14 07:24	07/25/14 14:08	1
1,2,4,5-Tetrachlorobenzene	ND		1.0	0.065	ug/L		07/24/14 07:24	07/25/14 14:08	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.14	ug/L		07/24/14 07:24	07/25/14 14:08	1
2,4,5-Trichlorophenol	ND		1.0	0.15	ug/L		07/24/14 07:24	07/25/14 14:08	1
2,4,6-Trichlorophenol	ND		1.0	0.17	ug/L		07/24/14 07:24	07/25/14 14:08	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/24/14 07:24*	*07/25/14 14:08*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*19 - 107*	*07/24/14 07:24*	*07/25/14 14:08*	*1*
2-Fluorophenol (Surr)	*72*		*10 - 111*	*07/24/14 07:24*	*07/25/14 14:08*	*1*
Nitrobenzene-d5 (Surr)	*68*		*23 - 112*	*07/24/14 07:24*	*07/25/14 14:08*	*1*
Phenol-d5 (Surr)	*71*		*15 - 112*	*07/24/14 07:24*	*07/25/14 14:08*	*1*
Terphenyl-d14 (Surr)	*79*		*10 - 132*	*07/24/14 07:24*	*07/25/14 14:08*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*16 - 122*	*07/24/14 07:24*	*07/25/14 14:08*	*1*

Lab Sample ID: LCS 180-112437/2-A
Matrix: Water
Analysis Batch: 112596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112437

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	20.0	13.5		ug/L		68	35 - 99
Acenaphthylene	20.0	14.0		ug/L		70	37 - 107
Acetophenone	20.0	12.9		ug/L		64	30 - 150
Anthracene	20.0	14.0		ug/L		70	35 - 105
Atrazine	20.0	13.0		ug/L		65	30 - 150
Benzaldehyde	20.0	1.19	*	ug/L		6	30 - 150
Benzo[a]anthracene	20.0	14.3		ug/L		72	38 - 101
Benzo[a]pyrene	20.0	14.0		ug/L		70	26 - 108
Benzo[b]fluoranthene	20.0	13.1		ug/L		65	29 - 98
Benzo[g,h,i]perylene	20.0	14.1		ug/L		70	20 - 115
Benzo[k]fluoranthene	20.0	14.0		ug/L		70	28 - 107

QC Sample Results

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

Lab Sample ID: LCS 180-112437/2-A
Matrix: Water
Analysis Batch: 112596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112437

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	20.0	13.3		ug/L		67	30 - 150
Bis(2-chloroethoxy)methane	20.0	13.2		ug/L		66	33 - 98
Bis(2-chloroethyl)ether	20.0	13.2		ug/L		66	33 - 95
Bis(2-ethylhexyl) phthalate	20.0	15.3		ug/L		76	20 - 116
4-Bromophenyl phenyl ether	20.0	14.0		ug/L		70	37 - 104
Butyl benzyl phthalate	20.0	15.0		ug/L		75	36 - 108
Caprolactam	20.0	15.7		ug/L		78	30 - 150
Carbazole	20.0	13.9		ug/L		70	29 - 112
4-Chloroaniline	20.0	13.2		ug/L		66	10 - 99
4-Chloro-3-methylphenol	20.0	15.1		ug/L		75	35 - 104
2-Chloronaphthalene	20.0	12.7		ug/L		63	34 - 96
2-Chlorophenol	20.0	13.8		ug/L		69	31 - 99
4-Chlorophenyl phenyl ether	20.0	14.2		ug/L		71	34 - 103
Chrysene	20.0	14.1		ug/L		71	37 - 99
Dibenz(a,h)anthracene	20.0	14.4		ug/L		72	19 - 118
Dibenzofuran	20.0	13.6		ug/L		68	34 - 101
3,3'-Dichlorobenzidine	20.0	12.7		ug/L		64	10 - 89
2,4-Dichlorophenol	20.0	14.9		ug/L		74	34 - 104
Diethyl phthalate	20.0	14.0		ug/L		70	36 - 109
2,4-Dimethylphenol	20.0	13.9		ug/L		69	33 - 97
Dimethyl phthalate	20.0	14.0		ug/L		70	37 - 106
Di-n-butyl phthalate	20.0	15.2		ug/L		76	37 - 111
4,6-Dinitro-2-methylphenol	40.0	29.7		ug/L		74	24 - 124
2,4-Dinitrophenol	40.0	31.7		ug/L		79	10 - 130
2,4-Dinitrotoluene	20.0	16.8		ug/L		84	37 - 115
2,6-Dinitrotoluene	20.0	16.2		ug/L		81	39 - 113
Di-n-octyl phthalate	20.0	13.1		ug/L		66	11 - 127
Fluoranthene	20.0	14.3		ug/L		72	32 - 112
Fluorene	20.0	14.3		ug/L		72	34 - 104
Hexachlorobenzene	20.0	13.7		ug/L		69	35 - 102
Hexachlorobutadiene	20.0	13.6		ug/L		68	35 - 100
Hexachlorocyclopentadiene	20.0	15.4		ug/L		77	36 - 115
Hexachloroethane	20.0	13.2		ug/L		66	32 - 94
Indeno[1,2,3-cd]pyrene	20.0	13.9		ug/L		69	22 - 115
Isophorone	20.0	14.0		ug/L		70	38 - 102
2-Methylnaphthalene	20.0	13.4		ug/L		67	34 - 98
2-Methylphenol	20.0	14.3		ug/L		72	33 - 98
Methylphenol, 3 & 4	20.0	13.5		ug/L		68	32 - 100
Naphthalene	20.0	13.1		ug/L		66	35 - 97
2-Nitroaniline	20.0	15.6		ug/L		78	29 - 112
3-Nitroaniline	20.0	15.4		ug/L		77	11 - 104
4-Nitroaniline	20.0	15.9		ug/L		80	20 - 124
Nitrobenzene	20.0	14.1		ug/L		71	37 - 100
2-Nitrophenol	20.0	16.7		ug/L		83	34 - 107
4-Nitrophenol	40.0	31.7		ug/L		79	29 - 115
N-Nitrosodi-n-propylamine	20.0	11.8		ug/L		59	34 - 101
N-Nitrosodiphenylamine	20.0	13.7		ug/L		68	32 - 102
2,2'-oxybis[1-chloropropane]	20.0	11.3		ug/L		57	30 - 99

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

Lab Sample ID: LCS 180-112437/2-A
Matrix: Water
Analysis Batch: 112596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112437

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pentachlorophenol	40.0	29.7		ug/L		74	15 - 111
Phenanthrene	20.0	13.7		ug/L		68	32 - 104
Phenol	20.0	13.5		ug/L		67	32 - 95
Pyrene	20.0	13.3		ug/L		66	35 - 106
1,2,4,5-Tetrachlorobenzene	20.0	13.3		ug/L		67	30 - 125
2,3,4,6-Tetrachlorophenol	20.0	15.2		ug/L		76	36 - 103
2,4,5-Trichlorophenol	20.0	15.7		ug/L		79	34 - 104
2,4,6-Trichlorophenol	20.0	15.7		ug/L		78	36 - 103

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*68*		*19 - 107*
2-Fluorophenol (Surr)	*74*		*10 - 111*
Nitrobenzene-d5 (Surr)	*71*		*23 - 112*
Phenol-d5 (Surr)	*71*		*15 - 112*
Terphenyl-d14 (Surr)	*73*		*10 - 132*
2,4,6-Tribromophenol (Surr)	*81*		*16 - 122*

Lab Sample ID: LCSD 180-112437/3-A
Matrix: Water
Analysis Batch: 112596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112437

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	20.0	13.2		ug/L		66	35 - 99	3	41
Acenaphthylene	20.0	13.5		ug/L		68	37 - 107	3	40
Acetophenone	20.0	12.4		ug/L		62	30 - 150	4	35
Anthracene	20.0	13.7		ug/L		68	35 - 105	2	37
Atrazine	20.0	12.8		ug/L		64	30 - 150	2	35
Benzaldehyde	20.0	1.15	*	ug/L		6	30 - 150	4	35
Benzo[a]anthracene	20.0	14.2		ug/L		71	38 - 101	1	36
Benzo[a]pyrene	20.0	13.8		ug/L		69	26 - 108	1	40
Benzo[b]fluoranthene	20.0	13.3		ug/L		67	29 - 98	2	46
Benzo[g,h,i]perylene	20.0	13.9		ug/L		69	20 - 115	1	44
Benzo[k]fluoranthene	20.0	13.5		ug/L		67	28 - 107	4	31
1,1'-Biphenyl	20.0	13.1		ug/L		65	30 - 150	2	35
Bis(2-chloroethoxy)methane	20.0	12.8		ug/L		64	33 - 98	3	46
Bis(2-chloroethyl)ether	20.0	12.5		ug/L		63	33 - 95	5	38
Bis(2-ethylhexyl) phthalate	20.0	15.0		ug/L		75	20 - 116	2	40
4-Bromophenyl phenyl ether	20.0	13.7		ug/L		68	37 - 104	3	40
Butyl benzyl phthalate	20.0	14.9		ug/L		74	36 - 108	1	40
Caprolactam	20.0	15.4		ug/L		77	30 - 150	2	35
Carbazole	20.0	13.7		ug/L		69	29 - 112	2	35
4-Chloroaniline	20.0	12.9		ug/L		65	10 - 99	2	39
4-Chloro-3-methylphenol	20.0	15.1		ug/L		76	35 - 104	1	42
2-Chloronaphthalene	20.0	12.3		ug/L		61	34 - 96	3	39
2-Chlorophenol	20.0	13.4		ug/L		67	31 - 99	3	39
4-Chlorophenyl phenyl ether	20.0	13.7		ug/L		68	34 - 103	4	38
Chrysene	20.0	13.7		ug/L		69	37 - 99	3	42
Dibenz(a,h)anthracene	20.0	14.4		ug/L		72	19 - 118	0	44

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

Lab Sample ID: LCSD 180-112437/3-A
Matrix: Water
Analysis Batch: 112596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112437

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibenzofuran	20.0	13.1		ug/L		65	34 - 101	4	39
3,3'-Dichlorobenzidine	20.0	12.8		ug/L		64	10 - 89	0	56
2,4-Dichlorophenol	20.0	14.2		ug/L		71	34 - 104	4	41
Diethyl phthalate	20.0	13.5		ug/L		67	36 - 109	4	39
2,4-Dimethylphenol	20.0	13.6		ug/L		68	33 - 97	2	40
Dimethyl phthalate	20.0	13.6		ug/L		68	37 - 106	3	42
Di-n-butyl phthalate	20.0	15.2		ug/L		76	37 - 111	0	38
4,6-Dinitro-2-methylphenol	40.0	29.7		ug/L		74	24 - 124	0	41
2,4-Dinitrophenol	40.0	30.8		ug/L		77	10 - 130	3	53
2,4-Dinitrotoluene	20.0	16.5		ug/L		83	37 - 115	2	39
2,6-Dinitrotoluene	20.0	15.9		ug/L		80	39 - 113	2	40
Di-n-octyl phthalate	20.0	13.0		ug/L		65	11 - 127	1	44
Fluoranthene	20.0	14.3		ug/L		72	32 - 112	0	39
Fluorene	20.0	13.9		ug/L		70	34 - 104	3	40
Hexachlorobenzene	20.0	13.6		ug/L		68	35 - 102	1	35
Hexachlorobutadiene	20.0	13.3		ug/L		66	35 - 100	2	41
Hexachlorocyclopentadiene	20.0	15.2		ug/L		76	36 - 115	2	47
Hexachloroethane	20.0	12.9		ug/L		65	32 - 94	2	39
Indeno[1,2,3-cd]pyrene	20.0	13.9		ug/L		70	22 - 115	0	54
Isophorone	20.0	13.7		ug/L		68	38 - 102	2	43
2-Methylnaphthalene	20.0	13.4		ug/L		67	34 - 98	0	42
2-Methylphenol	20.0	13.7		ug/L		69	33 - 98	4	38
Methylphenol, 3 & 4	20.0	13.3		ug/L		67	32 - 100	2	41
Naphthalene	20.0	12.7		ug/L		64	35 - 97	3	43
2-Nitroaniline	20.0	15.1		ug/L		76	29 - 112	3	65
3-Nitroaniline	20.0	15.0		ug/L		75	11 - 104	3	48
4-Nitroaniline	20.0	15.6		ug/L		78	20 - 124	2	45
Nitrobenzene	20.0	13.6		ug/L		68	37 - 100	4	42
2-Nitrophenol	20.0	16.3		ug/L		82	34 - 107	2	41
4-Nitrophenol	40.0	30.8		ug/L		77	29 - 115	3	42
N-Nitrosodi-n-propylamine	20.0	11.3		ug/L		57	34 - 101	4	43
N-Nitrosodiphenylamine	20.0	13.5		ug/L		67	32 - 102	1	36
2,2'-oxybis[1-chloropropane]	20.0	11.0		ug/L		55	30 - 99	3	42
Pentachlorophenol	40.0	29.1		ug/L		73	15 - 111	2	42
Phenanthrene	20.0	13.6		ug/L		68	32 - 104	0	36
Phenol	20.0	13.1		ug/L		65	32 - 95	3	39
Pyrene	20.0	12.8		ug/L		64	35 - 106	3	42
1,2,4,5-Tetrachlorobenzene	20.0	13.0		ug/L		65	30 - 125	2	25
2,3,4,6-Tetrachlorophenol	20.0	15.0		ug/L		75	36 - 103	2	40
2,4,5-Trichlorophenol	20.0	15.4		ug/L		77	34 - 104	2	39
2,4,6-Trichlorophenol	20.0	15.5		ug/L		77	36 - 103	1	39

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*19 - 107*
2-Fluorophenol (Surr)	*71*		*10 - 111*
Nitrobenzene-d5 (Surr)	*70*		*23 - 112*
Phenol-d5 (Surr)	*68*		*15 - 112*
Terphenyl-d14 (Surr)	*71*		*10 - 132*

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

Lab Sample ID: LCSD 180-112437/3-A
Matrix: Water
Analysis Batch: 112596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112437

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*78*		*16 - 122*

Lab Sample ID: MB 180-112566/1-A
Matrix: Solid
Analysis Batch: 112599

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112566

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		6.7	0.64	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Acenaphthylene	ND		6.7	0.76	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Acetophenone	ND		33	2.7	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Anthracene	ND		6.7	0.65	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Atrazine	ND		33	3.2	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Benzaldehyde	ND		33	5.0	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Benzo[a]anthracene	ND		6.7	0.84	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Benzo[a]pyrene	ND		6.7	0.67	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Benzo[b]fluoranthene	ND		6.7	1.0	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Benzo[g,h,i]perylene	ND		6.7	0.66	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Benzo[k]fluoranthene	ND		6.7	1.3	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
1,1'-Biphenyl	ND		33	3.0	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Bis(2-chloroethoxy)methane	ND		33	2.2	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Bis(2-chloroethyl)ether	ND		6.7	0.90	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Bis(2-ethylhexyl) phthalate	ND		67	5.4	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
4-Bromophenyl phenyl ether	ND		33	2.9	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Butyl benzyl phthalate	ND		33	4.6	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Caprolactam	ND		170	25	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Carbazole	ND		6.7	0.61	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
4-Chloroaniline	ND		33	2.7	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
4-Chloro-3-methylphenol	ND		33	3.1	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2-Chloronaphthalene	ND		6.7	0.70	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2-Chlorophenol	ND		33	2.7	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
4-Chlorophenyl phenyl ether	ND		33	3.7	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Chrysene	ND		6.7	0.79	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Dibenz(a,h)anthracene	ND		6.7	0.74	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Dibenzofuran	ND		33	3.3	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
3,3'-Dichlorobenzidine	ND		33	3.5	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2,4-Dichlorophenol	ND		6.7	0.67	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Diethyl phthalate	ND		33	3.6	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2,4-Dimethylphenol	ND		33	5.2	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Dimethyl phthalate	ND		33	3.6	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Di-n-butyl phthalate	ND		33	4.2	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
4,6-Dinitro-2-methylphenol	ND		170	13	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2,4-Dinitrophenol	ND		170	40	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2,4-Dinitrotoluene	ND		33	2.7	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2,6-Dinitrotoluene	ND		33	3.4	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Di-n-octyl phthalate	ND		33	3.5	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Fluoranthene	ND		6.7	0.71	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Fluorene	ND		6.7	0.88	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Hexachlorobenzene	ND		6.7	0.71	ug/Kg		07/25/14 03:00	07/25/14 09:10	1

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35079-1

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

Lab Sample ID: MB 180-112566/1-A
Matrix: Solid
Analysis Batch: 112599

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112566

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		6.7	0.75	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Hexachlorocyclopentadiene	ND		33	3.6	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Hexachloroethane	ND		33	2.4	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Indeno[1,2,3-cd]pyrene	ND		6.7	0.69	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Isophorone	ND		33	2.5	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2-Methylnaphthalene	ND		6.7	0.60	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2-Methylphenol	ND		33	2.3	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Methylphenol, 3 & 4	ND		33	3.3	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Naphthalene	ND		6.7	0.58	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2-Nitroaniline	ND		170	15	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
3-Nitroaniline	ND		170	14	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
4-Nitroaniline	ND		170	14	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Nitrobenzene	ND		67	2.8	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2-Nitrophenol	ND		33	3.7	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
4-Nitrophenol	ND		170	12	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
N-Nitrosodi-n-propylamine	ND		6.7	0.78	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
N-Nitrosodiphenylamine	ND		33	3.1	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2,2'-oxybis[1-chloropropane]	ND		6.7	0.72	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Pentachlorophenol	ND		33	3.0	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Phenanthrene	ND		6.7	1.1	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Phenol	ND		6.7	0.79	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
Pyrene	ND		6.7	0.67	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
1,2,4,5-Tetrachlorobenzene	ND		33	2.5	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2,3,4,6-Tetrachlorophenol	ND		33	2.1	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2,4,5-Trichlorophenol	ND		33	3.6	ug/Kg		07/25/14 03:00	07/25/14 09:10	1
2,4,6-Trichlorophenol	ND		33	5.0	ug/Kg		07/25/14 03:00	07/25/14 09:10	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*07/25/14 03:00*	*07/25/14 09:10*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*28 - 108*	*07/25/14 03:00*	*07/25/14 09:10*	*1*
2-Fluorophenol (Surr)	*60*		*28 - 107*	*07/25/14 03:00*	*07/25/14 09:10*	*1*
Nitrobenzene-d5 (Surr)	*65*		*27 - 110*	*07/25/14 03:00*	*07/25/14 09:10*	*1*
Phenol-d5 (Surr)	*61*		*30 - 112*	*07/25/14 03:00*	*07/25/14 09:10*	*1*
Terphenyl-d14 (Surr)	*58*		*21 - 130*	*07/25/14 03:00*	*07/25/14 09:10*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*21 - 116*	*07/25/14 03:00*	*07/25/14 09:10*	*1*

Lab Sample ID: LCS 180-112566/2-A
Matrix: Solid
Analysis Batch: 112599

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	667	356		ug/Kg		53	42 - 104
Acenaphthylene	667	354		ug/Kg		53	43 - 117
Acetophenone	667	358		ug/Kg		54	30 - 150
Anthracene	667	357		ug/Kg		54	43 - 111

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

Lab Sample ID: LCS 180-112566/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 112599 **Prep Batch: 112566**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	667	935		ug/Kg		140	30 - 150
Benzaldehyde	667	369		ug/Kg		55	30 - 150
Benzo[a]anthracene	667	385		ug/Kg		58	45 - 110
Benzo[a]pyrene	667	362		ug/Kg		54	42 - 114
Benzo[b]fluoranthene	667	332		ug/Kg		50	37 - 108
Benzo[g,h,i]perylene	667	382		ug/Kg		57	35 - 127
Benzo[k]fluoranthene	667	331		ug/Kg		50	39 - 115
1,1'-Biphenyl	667	331		ug/Kg		50	30 - 150
Bis(2-chloroethoxy)methane	667	342		ug/Kg		51	42 - 103
Bis(2-chloroethyl)ether	667	336		ug/Kg		50	40 - 100
Bis(2-ethylhexyl) phthalate	667	444		ug/Kg		67	41 - 121
4-Bromophenyl phenyl ether	667	345		ug/Kg		52	43 - 111
Butyl benzyl phthalate	667	445		ug/Kg		67	40 - 117
Caprolactam	667	425		ug/Kg		64	30 - 150
Carbazole	667	367		ug/Kg		55	42 - 114
4-Chloroaniline	667	360		ug/Kg		54	33 - 102
4-Chloro-3-methylphenol	667	422		ug/Kg		63	43 - 110
2-Chloronaphthalene	667	300		ug/Kg		45	40 - 104
2-Chlorophenol	667	346		ug/Kg		52	40 - 105
4-Chlorophenyl phenyl ether	667	353		ug/Kg		53	42 - 111
Chrysene	667	390		ug/Kg		59	44 - 108
Dibenz(a,h)anthracene	667	379		ug/Kg		57	34 - 131
Dibenzofuran	667	349		ug/Kg		52	42 - 106
3,3'-Dichlorobenzidine	667	338		ug/Kg		51	24 - 113
2,4-Dichlorophenol	667	364		ug/Kg		55	44 - 110
Diethyl phthalate	667	385		ug/Kg		58	44 - 113
2,4-Dimethylphenol	667	385		ug/Kg		58	39 - 106
Dimethyl phthalate	667	383		ug/Kg		57	44 - 111
Di-n-butyl phthalate	667	407		ug/Kg		61	44 - 120
4,6-Dinitro-2-methylphenol	1330	675		ug/Kg		51	28 - 130
2,4-Dinitrophenol	1330	649		ug/Kg		49	19 - 140
2,4-Dinitrotoluene	667	442		ug/Kg		66	48 - 118
2,6-Dinitrotoluene	667	385		ug/Kg		58	47 - 119
Di-n-octyl phthalate	667	385		ug/Kg		58	35 - 129
Fluoranthene	667	376		ug/Kg		56	40 - 118
Fluorene	667	361		ug/Kg		54	43 - 110
Hexachlorobenzene	667	346		ug/Kg		52	42 - 110
Hexachlorobutadiene	667	349		ug/Kg		52	40 - 114
Hexachlorocyclopentadiene	667	291		ug/Kg		44	10 - 150
Hexachloroethane	667	355		ug/Kg		53	40 - 102
Indeno[1,2,3-cd]pyrene	667	375		ug/Kg		56	34 - 130
Isophorone	667	416		ug/Kg		62	39 - 114
2-Methylnaphthalene	667	352		ug/Kg		53	43 - 105
2-Methylphenol	667	373		ug/Kg		56	41 - 104
Methylphenol, 3 & 4	667	362		ug/Kg		54	43 - 107
Naphthalene	667	337		ug/Kg		51	42 - 104
2-Nitroaniline	667	451		ug/Kg		68	41 - 118
3-Nitroaniline	667	373		ug/Kg		56	38 - 116

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

Lab Sample ID: LCS 180-112566/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 112599 **Prep Batch: 112566**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitroaniline	667	374		ug/Kg		56	37 - 120
Nitrobenzene	667	370		ug/Kg		56	40 - 109
2-Nitrophenol	667	375		ug/Kg		56	45 - 112
4-Nitrophenol	1330	937		ug/Kg		70	27 - 131
N-Nitrosodi-n-propylamine	667	368		ug/Kg		55	42 - 108
N-Nitrosodiphenylamine	667	355		ug/Kg		53	41 - 110
2,2'-oxybis[1-chloropropane]	667	340		ug/Kg		51	37 - 105
Pentachlorophenol	1330	529		ug/Kg		40	18 - 125
Phenanthrene	667	347		ug/Kg		52	41 - 107
Phenol	667	370		ug/Kg		55	39 - 105
Pyrene	667	383		ug/Kg		57	39 - 113
1,2,4,5-Tetrachlorobenzene	667	323		ug/Kg		49	30 - 125
2,3,4,6-Tetrachlorophenol	667	360		ug/Kg		54	43 - 108
2,4,5-Trichlorophenol	667	365		ug/Kg		55	42 - 110
2,4,6-Trichlorophenol	667	369		ug/Kg		55	43 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*51*		*28 - 108*
2-Fluorophenol (Surr)	*59*		*28 - 107*
Nitrobenzene-d5 (Surr)	*60*		*27 - 110*
Phenol-d5 (Surr)	*59*		*30 - 112*
Terphenyl-d14 (Surr)	*61*		*21 - 130*
2,4,6-Tribromophenol (Surr)	*57*		*21 - 116*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 180-112444/1-C **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 117172 **Prep Batch: 112444**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.83	0.12	ug/Kg		07/24/14 06:10	07/24/14 18:29	1
PCB-1221	ND		0.83	0.16	ug/Kg		07/24/14 06:10	07/24/14 18:29	1
PCB-1232	ND		0.83	0.14	ug/Kg		07/24/14 06:10	07/24/14 18:29	1
PCB-1242	ND		0.83	0.14	ug/Kg		07/24/14 06:10	07/24/14 18:29	1
PCB-1248	ND		0.83	0.079	ug/Kg		07/24/14 06:10	07/24/14 18:29	1
PCB-1254	ND		0.83	0.12	ug/Kg		07/24/14 06:10	07/24/14 18:29	1
PCB-1260	ND		0.83	0.12	ug/Kg		07/24/14 06:10	07/24/14 18:29	1
PCB-1262	ND		0.83	0.18	ug/Kg		07/24/14 06:10	07/24/14 18:29	1
PCB-1268	ND		0.83	0.11	ug/Kg		07/24/14 06:10	07/24/14 18:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*20 - 150*	*07/24/14 06:10*	*07/24/14 18:29*	*1*
Tetrachloro-m-xylene (Surr)	*62*		*30 - 150*	*07/24/14 06:10*	*07/24/14 18:29*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCS 180-112444/2-C
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112444

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	66.7	45.4		ug/Kg		68	50 - 120
PCB-1260	66.7	48.1		ug/Kg		72	50 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*79*		*20 - 150*
Tetrachloro-m-xylene (Surr)	*73*		*30 - 150*

Lab Sample ID: 180-35079-7 MS
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: SSHS-FB1-A-SS
Prep Type: Total/NA
Prep Batch: 112444

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		86.1	149	F1	ug/Kg	☼	173	50 - 120
PCB-1260	ND		86.1	97.1		ug/Kg	☼	113	50 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*102*		*20 - 150*
Tetrachloro-m-xylene (Surr)	*80*		*30 - 150*

Lab Sample ID: 180-35079-7 MSD
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: SSHS-FB1-A-SS
Prep Type: Total/NA
Prep Batch: 112444

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		85.5	196	F1	ug/Kg	☼	229	50 - 120	27	30
PCB-1260	ND		85.5	98.5		ug/Kg	☼	115	50 - 120	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*111*		*20 - 150*
Tetrachloro-m-xylene (Surr)	*83*		*30 - 150*

Lab Sample ID: MB 180-112574/1-C
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112574

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.83	0.12	ug/Kg		07/25/14 03:10	07/26/14 16:45	1
PCB-1221	ND		0.83	0.16	ug/Kg		07/25/14 03:10	07/26/14 16:45	1
PCB-1232	ND		0.83	0.14	ug/Kg		07/25/14 03:10	07/26/14 16:45	1
PCB-1242	ND		0.83	0.14	ug/Kg		07/25/14 03:10	07/26/14 16:45	1
PCB-1248	ND		0.83	0.079	ug/Kg		07/25/14 03:10	07/26/14 16:45	1
PCB-1254	ND		0.83	0.12	ug/Kg		07/25/14 03:10	07/26/14 16:45	1
PCB-1260	ND		0.83	0.12	ug/Kg		07/25/14 03:10	07/26/14 16:45	1
PCB-1262	ND		0.83	0.18	ug/Kg		07/25/14 03:10	07/26/14 16:45	1
PCB-1268	ND		0.83	0.11	ug/Kg		07/25/14 03:10	07/26/14 16:45	1

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35079-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: MB 180-112574/1-C
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112574

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*91*		*20 - 150*	*07/25/14 03:10*	*07/26/14 16:45*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*30 - 150*	*07/25/14 03:10*	*07/26/14 16:45*	*1*

Lab Sample ID: LCS 180-112574/2-C
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112574

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016			66.7	58.8		ug/Kg		88	50 - 120
PCB-1260			66.7	62.0		ug/Kg		93	50 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*88*		*20 - 150*
Tetrachloro-m-xylene (Surr)	*81*		*30 - 150*

Lab Sample ID: 180-35079-16 MS
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: SSHS-SS12-C-2-3
Prep Type: Total/NA
Prep Batch: 112574

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		72.4	46400	F1 D	ug/Kg	☼	64082	50 - 120
PCB-1260	ND		72.4	4990	F1 D	ug/Kg	☼	6885	50 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*579*	*X D*	*20 - 150*
Tetrachloro-m-xylene (Surr)	*0*	*X D*	*30 - 150*

Lab Sample ID: 180-35079-16 MSD
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: SSHS-SS12-C-2-3
Prep Type: Total/NA
Prep Batch: 112574

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		71.9	44300	F1 D	ug/Kg	☼	61582	50 - 120	5	30
PCB-1260	ND		71.9	4840	F1 D	ug/Kg	☼	6727	50 - 120	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*492*	*X D*	*20 - 150*
Tetrachloro-m-xylene (Surr)	*155*	*X D*	*30 - 150*

Lab Sample ID: MB 180-112655/1-A
Matrix: Water
Analysis Batch: 117172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112655

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.010	0.0025	ug/L		07/25/14 14:00	07/28/14 02:41	1
PCB-1221	ND		0.010	0.0025	ug/L		07/25/14 14:00	07/28/14 02:41	1
PCB-1232	ND		0.010	0.0029	ug/L		07/25/14 14:00	07/28/14 02:41	1

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35079-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: MB 180-112655/1-A
Matrix: Water
Analysis Batch: 117172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112655

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		0.010	0.0019	ug/L		07/25/14 14:00	07/28/14 02:41	1
PCB-1248	ND		0.010	0.0023	ug/L		07/25/14 14:00	07/28/14 02:41	1
PCB-1254	ND		0.010	0.0023	ug/L		07/25/14 14:00	07/28/14 02:41	1
PCB-1260	ND		0.010	0.0014	ug/L		07/25/14 14:00	07/28/14 02:41	1
PCB-1262	ND		0.010	0.0021	ug/L		07/25/14 14:00	07/28/14 02:41	1
PCB-1268	ND		0.010	0.0027	ug/L		07/25/14 14:00	07/28/14 02:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*60 - 135*	*07/25/14 14:00*	*07/28/14 02:41*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*25 - 150*	*07/25/14 14:00*	*07/28/14 02:41*	*1*

Lab Sample ID: LCS 180-112655/4-A
Matrix: Water
Analysis Batch: 117172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112655

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	0.925		ug/L		92	55 - 120
PCB-1260	1.00	0.953		ug/L		95	55 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*89*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*90*		*25 - 150*

Lab Sample ID: LCSD 180-112655/5-A
Matrix: Water
Analysis Batch: 117172

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 112655

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	1.00	0.952		ug/L		95	55 - 120	3	25
PCB-1260	1.00	0.993		ug/L		99	55 - 120	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*92*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*93*		*25 - 150*

Lab Sample ID: MB 180-112684/1-C
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112684

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.83	0.12	ug/Kg		07/26/14 02:40	07/27/14 11:36	1
PCB-1221	ND		0.83	0.16	ug/Kg		07/26/14 02:40	07/27/14 11:36	1
PCB-1232	ND		0.83	0.14	ug/Kg		07/26/14 02:40	07/27/14 11:36	1
PCB-1242	ND		0.83	0.14	ug/Kg		07/26/14 02:40	07/27/14 11:36	1
PCB-1248	ND		0.83	0.079	ug/Kg		07/26/14 02:40	07/27/14 11:36	1
PCB-1254	ND		0.83	0.12	ug/Kg		07/26/14 02:40	07/27/14 11:36	1
PCB-1260	ND		0.83	0.12	ug/Kg		07/26/14 02:40	07/27/14 11:36	1

QC Sample Results

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: MB 180-112684/1-C
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 112684

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		0.83	0.18	ug/Kg		07/26/14 02:40	07/27/14 11:36	1
PCB-1268	ND		0.83	0.11	ug/Kg		07/26/14 02:40	07/27/14 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*20 - 150*	*07/26/14 02:40*	*07/27/14 11:36*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*30 - 150*	*07/26/14 02:40*	*07/27/14 11:36*	*1*

Lab Sample ID: LCS 180-112684/2-C
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 112684

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	66.7	55.3		ug/Kg		83	50 - 120
PCB-1260	66.7	58.9		ug/Kg		88	50 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*94*		*20 - 150*
Tetrachloro-m-xylene (Surr)	*84*		*30 - 150*

Lab Sample ID: 180-35079-34 MS
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: SSHS-FB2-A-SS
Prep Type: Total/NA
Prep Batch: 112684

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		77.3	91.8		ug/Kg	☼	119	50 - 120
PCB-1260	ND		77.3	232	F1	ug/Kg	☼	300	50 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*110*		*20 - 150*
Tetrachloro-m-xylene (Surr)	*88*		*30 - 150*

Lab Sample ID: 180-35079-34 MSD
Matrix: Solid
Analysis Batch: 117172

Client Sample ID: SSHS-FB2-A-SS
Prep Type: Total/NA
Prep Batch: 112684

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		77.8	91.9		ug/Kg	☼	118	50 - 120	0	30
PCB-1260	ND		77.8	224	F1	ug/Kg	☼	288	50 - 120	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*134*		*20 - 150*
Tetrachloro-m-xylene (Surr)	*86*		*30 - 150*

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

Method: 2540G - SM 2540G

Lab Sample ID: 180-35079-7 DU **Client Sample ID: SSHS-FB1-A-SS**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 112483

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	23		23		%		0.6	20
Percent Solids	77		77		%		0.2	20

Lab Sample ID: 180-35079-16 DU **Client Sample ID: SSHS-SS12-C-2-3**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 112483

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	7.9		8.3		%		4	20
Percent Solids	92		92		%		0.4	20

Lab Sample ID: 180-35079-21 DU **Client Sample ID: SSHS-B15-A-1-2**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 112509

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	7.8		7.0		%		10	20
Percent Solids	92		93		%		0.8	20

Lab Sample ID: 180-35079-33 DU **Client Sample ID: SSHS-B4SS-A-SS**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 112509

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	10		9.8		%		3	20
Percent Solids	90		90		%		0.4	20

Lab Sample ID: 180-35079-42 DU **Client Sample ID: SSHS-B15-DUP8**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 112520

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	9.5		8.6		%		10	20
Percent Solids	91		91		%		1	20

QC Association Summary

GC/MS Semi VOA

Prep Batch: 112437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-36	EB-20140722	Total/NA	Water	3520C	
LCS 180-112437/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 180-112437/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 180-112437/1-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 112566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-1	SSHS-FB6-A-SS	Total/NA	Solid	3541	
180-35079-17	SSHS-FB10-A-SS	Total/NA	Solid	3541	
180-35079-35	SSHS-FB9-A-SS	Total/NA	Solid	3541	
180-35079-39	SSHS-DUP5	Total/NA	Solid	3541	
LCS 180-112566/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-112566/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 112596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-36	EB-20140722	Total/NA	Water	8270D LL	112437
LCS 180-112437/2-A	Lab Control Sample	Total/NA	Water	8270D LL	112437
LCSD 180-112437/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	112437
MB 180-112437/1-A	Method Blank	Total/NA	Water	8270D LL	112437

Analysis Batch: 112599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-1	SSHS-FB6-A-SS	Total/NA	Solid	8270D LL	112566
180-35079-17	SSHS-FB10-A-SS	Total/NA	Solid	8270D LL	112566
180-35079-35	SSHS-FB9-A-SS	Total/NA	Solid	8270D LL	112566
180-35079-39	SSHS-DUP5	Total/NA	Solid	8270D LL	112566
LCS 180-112566/2-A	Lab Control Sample	Total/NA	Solid	8270D LL	112566
MB 180-112566/1-A	Method Blank	Total/NA	Solid	8270D LL	112566

GC Semi VOA

Prep Batch: 112444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-1	SSHS-FB6-A-SS	Total/NA	Solid	3541	
180-35079-2	SSHS-SS16-SS	Total/NA	Solid	3541	
180-35079-3	SSHS-SS12-B-SS	Total/NA	Solid	3541	
180-35079-4	SSHS-SS12-B-0.17-1	Total/NA	Solid	3541	
180-35079-5	SSHS-SS12-B-1-2	Total/NA	Solid	3541	
180-35079-6	SSHS-SS12-B-2-3	Total/NA	Solid	3541	
180-35079-7	SSHS-FB1-A-SS	Total/NA	Solid	3541	
180-35079-7 MS	SSHS-FB1-A-SS	Total/NA	Solid	3541	
180-35079-7 MSD	SSHS-FB1-A-SS	Total/NA	Solid	3541	
180-35079-8	SSHS-SS12-A-SS	Total/NA	Solid	3541	
180-35079-9	SSHS-SS12-A-0.17-1	Total/NA	Solid	3541	
180-35079-10	SSHS-SS12-A-1-2	Total/NA	Solid	3541	
180-35079-11	SSHS-SS12-A-2-3	Total/NA	Solid	3541	
180-35079-12	SSHS-FB11-A-SS	Total/NA	Solid	3541	
180-35079-13	SSHS-SS12-C-SS	Total/NA	Solid	3541	
180-35079-14	SSHS-SS12-C-0.17-1	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 112444 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-15	SSHS-SS12-C-1-2	Total/NA	Solid	3541	
180-35079-17	SSHS-FB10-A-SS	Total/NA	Solid	3541	
180-35079-18	SSHS-B15-A-SS	Total/NA	Solid	3541	
180-35079-19	SSHS-FB3-A-SS	Total/NA	Solid	3541	
180-35079-20	SSHS-B15-A-0.17-1	Total/NA	Solid	3541	
180-35079-21	SSHS-B15-A-1-2	Total/NA	Solid	3541	
LCS 180-112444/2-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-112444/1-C	Method Blank	Total/NA	Solid	3541	

Cleanup Batch: 112494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-1	SSHS-FB6-A-SS	Total/NA	Solid	3665A	112444
180-35079-2	SSHS-SS16-SS	Total/NA	Solid	3665A	112444
180-35079-3	SSHS-SS12-B-SS	Total/NA	Solid	3665A	112444
180-35079-4	SSHS-SS12-B-0.17-1	Total/NA	Solid	3665A	112444
180-35079-5	SSHS-SS12-B-1-2	Total/NA	Solid	3665A	112444
180-35079-6	SSHS-SS12-B-2-3	Total/NA	Solid	3665A	112444
180-35079-7	SSHS-FB1-A-SS	Total/NA	Solid	3665A	112444
180-35079-7 MS	SSHS-FB1-A-SS	Total/NA	Solid	3665A	112444
180-35079-7 MSD	SSHS-FB1-A-SS	Total/NA	Solid	3665A	112444
180-35079-8	SSHS-SS12-A-SS	Total/NA	Solid	3665A	112444
180-35079-9	SSHS-SS12-A-0.17-1	Total/NA	Solid	3665A	112444
180-35079-10	SSHS-SS12-A-1-2	Total/NA	Solid	3665A	112444
180-35079-11	SSHS-SS12-A-2-3	Total/NA	Solid	3665A	112444
180-35079-12	SSHS-FB11-A-SS	Total/NA	Solid	3665A	112444
180-35079-13	SSHS-SS12-C-SS	Total/NA	Solid	3665A	112444
180-35079-14	SSHS-SS12-C-0.17-1	Total/NA	Solid	3665A	112444
180-35079-15	SSHS-SS12-C-1-2	Total/NA	Solid	3665A	112444
180-35079-17	SSHS-FB10-A-SS	Total/NA	Solid	3665A	112444
180-35079-18	SSHS-B15-A-SS	Total/NA	Solid	3665A	112444
180-35079-19	SSHS-FB3-A-SS	Total/NA	Solid	3665A	112444
180-35079-20	SSHS-B15-A-0.17-1	Total/NA	Solid	3665A	112444
180-35079-21	SSHS-B15-A-1-2	Total/NA	Solid	3665A	112444
LCS 180-112444/2-C	Lab Control Sample	Total/NA	Solid	3665A	112444
MB 180-112444/1-C	Method Blank	Total/NA	Solid	3665A	112444

Cleanup Batch: 112495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-1	SSHS-FB6-A-SS	Total/NA	Solid	3660B	112494
180-35079-2	SSHS-SS16-SS	Total/NA	Solid	3660B	112494
180-35079-3	SSHS-SS12-B-SS	Total/NA	Solid	3660B	112494
180-35079-4	SSHS-SS12-B-0.17-1	Total/NA	Solid	3660B	112494
180-35079-5	SSHS-SS12-B-1-2	Total/NA	Solid	3660B	112494
180-35079-6	SSHS-SS12-B-2-3	Total/NA	Solid	3660B	112494
180-35079-7	SSHS-FB1-A-SS	Total/NA	Solid	3660B	112494
180-35079-7 MS	SSHS-FB1-A-SS	Total/NA	Solid	3660B	112494
180-35079-7 MSD	SSHS-FB1-A-SS	Total/NA	Solid	3660B	112494
180-35079-8	SSHS-SS12-A-SS	Total/NA	Solid	3660B	112494
180-35079-9	SSHS-SS12-A-0.17-1	Total/NA	Solid	3660B	112494
180-35079-10	SSHS-SS12-A-1-2	Total/NA	Solid	3660B	112494
180-35079-11	SSHS-SS12-A-2-3	Total/NA	Solid	3660B	112494

GC Semi VOA (Continued)

Cleanup Batch: 112495 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-12	SSHS-FB11-A-SS	Total/NA	Solid	3660B	112494
180-35079-13	SSHS-SS12-C-SS	Total/NA	Solid	3660B	112494
180-35079-14	SSHS-SS12-C-0.17-1	Total/NA	Solid	3660B	112494
180-35079-15	SSHS-SS12-C-1-2	Total/NA	Solid	3660B	112494
180-35079-17	SSHS-FB10-A-SS	Total/NA	Solid	3660B	112494
180-35079-18	SSHS-B15-A-SS	Total/NA	Solid	3660B	112494
180-35079-19	SSHS-FB3-A-SS	Total/NA	Solid	3660B	112494
180-35079-20	SSHS-B15-A-0.17-1	Total/NA	Solid	3660B	112494
180-35079-21	SSHS-B15-A-1-2	Total/NA	Solid	3660B	112494
LCS 180-112444/2-C	Lab Control Sample	Total/NA	Solid	3660B	112494
MB 180-112444/1-C	Method Blank	Total/NA	Solid	3660B	112494

Prep Batch: 112574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-16	SSHS-SS12-C-2-3	Total/NA	Solid	3541	
180-35079-16 MS	SSHS-SS12-C-2-3	Total/NA	Solid	3541	
180-35079-16 MSD	SSHS-SS12-C-2-3	Total/NA	Solid	3541	
180-35079-22	SSHS-B15-A-2-3	Total/NA	Solid	3541	
180-35079-23	SSHS-B15-C-SS	Total/NA	Solid	3541	
180-35079-24	SSHS-B15-C-0.17-1	Total/NA	Solid	3541	
180-35079-25	SSHS-B15-C-1-2	Total/NA	Solid	3541	
180-35079-26	SSHS-B15-C-2-3	Total/NA	Solid	3541	
180-35079-27	SSHS-B15-B-SS	Total/NA	Solid	3541	
180-35079-28	SSHS-B15-B-0.17-1	Total/NA	Solid	3541	
180-35079-29	SSHS-B15-B-1-2	Total/NA	Solid	3541	
180-35079-30	SSHS-B15-B-2-3	Total/NA	Solid	3541	
180-35079-31	SSHS-B1S-A-SS	Total/NA	Solid	3541	
180-35079-32	SSHS-B9SS-A-SS	Total/NA	Solid	3541	
180-35079-33	SSHS-B4SS-A-SS	Total/NA	Solid	3541	
180-35079-35	SSHS-FB9-A-SS	Total/NA	Solid	3541	
180-35079-37	SSHS-FB4-A-SS	Total/NA	Solid	3541	
180-35079-38	SSHS-SS15-SS	Total/NA	Solid	3541	
180-35079-39	SSHS-DUP5	Total/NA	Solid	3541	
180-35079-40	SSHS-SS12-DUP6	Total/NA	Solid	3541	
180-35079-41	SSHS-DUP7	Total/NA	Solid	3541	
180-35079-42	SSHS-B15-DUP8	Total/NA	Solid	3541	
LCS 180-112574/2-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-112574/1-C	Method Blank	Total/NA	Solid	3541	

Prep Batch: 112655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-36	EB-20140722	Total/NA	Water	3510C	
LCS 180-112655/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 180-112655/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 180-112655/1-A	Method Blank	Total/NA	Water	3510C	

Cleanup Batch: 112666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-16	SSHS-SS12-C-2-3	Total/NA	Solid	3665A	112574
180-35079-16 MS	SSHS-SS12-C-2-3	Total/NA	Solid	3665A	112574
180-35079-16 MSD	SSHS-SS12-C-2-3	Total/NA	Solid	3665A	112574

GC Semi VOA (Continued)

Cleanup Batch: 112666 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-22	SSHS-B15-A-2-3	Total/NA	Solid	3665A	112574
180-35079-23	SSHS-B15-C-SS	Total/NA	Solid	3665A	112574
180-35079-24	SSHS-B15-C-0.17-1	Total/NA	Solid	3665A	112574
180-35079-25	SSHS-B15-C-1-2	Total/NA	Solid	3665A	112574
180-35079-26	SSHS-B15-C-2-3	Total/NA	Solid	3665A	112574
180-35079-27	SSHS-B15-B-SS	Total/NA	Solid	3665A	112574
180-35079-28	SSHS-B15-B-0.17-1	Total/NA	Solid	3665A	112574
180-35079-29	SSHS-B15-B-1-2	Total/NA	Solid	3665A	112574
180-35079-30	SSHS-B15-B-2-3	Total/NA	Solid	3665A	112574
180-35079-31	SSHS-B1S-A-SS	Total/NA	Solid	3665A	112574
180-35079-32	SSHS-B9SS-A-SS	Total/NA	Solid	3665A	112574
180-35079-33	SSHS-B4SS-A-SS	Total/NA	Solid	3665A	112574
180-35079-35	SSHS-FB9-A-SS	Total/NA	Solid	3665A	112574
180-35079-37	SSHS-FB4-A-SS	Total/NA	Solid	3665A	112574
180-35079-38	SSHS-SS15-SS	Total/NA	Solid	3665A	112574
180-35079-39	SSHS-DUP5	Total/NA	Solid	3665A	112574
180-35079-40	SSHS-SS12-DUP6	Total/NA	Solid	3665A	112574
180-35079-41	SSHS-DUP7	Total/NA	Solid	3665A	112574
180-35079-42	SSHS-B15-DUP8	Total/NA	Solid	3665A	112574
LCS 180-112574/2-C	Lab Control Sample	Total/NA	Solid	3665A	112574
MB 180-112574/1-C	Method Blank	Total/NA	Solid	3665A	112574

Cleanup Batch: 112667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-16	SSHS-SS12-C-2-3	Total/NA	Solid	3660B	112666
180-35079-16 MS	SSHS-SS12-C-2-3	Total/NA	Solid	3660B	112666
180-35079-16 MSD	SSHS-SS12-C-2-3	Total/NA	Solid	3660B	112666
180-35079-22	SSHS-B15-A-2-3	Total/NA	Solid	3660B	112666
180-35079-23	SSHS-B15-C-SS	Total/NA	Solid	3660B	112666
180-35079-24	SSHS-B15-C-0.17-1	Total/NA	Solid	3660B	112666
180-35079-25	SSHS-B15-C-1-2	Total/NA	Solid	3660B	112666
180-35079-26	SSHS-B15-C-2-3	Total/NA	Solid	3660B	112666
180-35079-27	SSHS-B15-B-SS	Total/NA	Solid	3660B	112666
180-35079-28	SSHS-B15-B-0.17-1	Total/NA	Solid	3660B	112666
180-35079-29	SSHS-B15-B-1-2	Total/NA	Solid	3660B	112666
180-35079-30	SSHS-B15-B-2-3	Total/NA	Solid	3660B	112666
180-35079-31	SSHS-B1S-A-SS	Total/NA	Solid	3660B	112666
180-35079-32	SSHS-B9SS-A-SS	Total/NA	Solid	3660B	112666
180-35079-33	SSHS-B4SS-A-SS	Total/NA	Solid	3660B	112666
180-35079-35	SSHS-FB9-A-SS	Total/NA	Solid	3660B	112666
180-35079-37	SSHS-FB4-A-SS	Total/NA	Solid	3660B	112666
180-35079-38	SSHS-SS15-SS	Total/NA	Solid	3660B	112666
180-35079-39	SSHS-DUP5	Total/NA	Solid	3660B	112666
180-35079-40	SSHS-SS12-DUP6	Total/NA	Solid	3660B	112666
180-35079-41	SSHS-DUP7	Total/NA	Solid	3660B	112666
180-35079-42	SSHS-B15-DUP8	Total/NA	Solid	3660B	112666
LCS 180-112574/2-C	Lab Control Sample	Total/NA	Solid	3660B	112666
MB 180-112574/1-C	Method Blank	Total/NA	Solid	3660B	112666

GC Semi VOA (Continued)

Prep Batch: 112684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-34	SSHS-FB2-A-SS	Total/NA	Solid	3541	
180-35079-34 MS	SSHS-FB2-A-SS	Total/NA	Solid	3541	
180-35079-34 MSD	SSHS-FB2-A-SS	Total/NA	Solid	3541	
LCS 180-112684/2-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-112684/1-C	Method Blank	Total/NA	Solid	3541	

Cleanup Batch: 112702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-34	SSHS-FB2-A-SS	Total/NA	Solid	3665A	112684
180-35079-34 MS	SSHS-FB2-A-SS	Total/NA	Solid	3665A	112684
180-35079-34 MSD	SSHS-FB2-A-SS	Total/NA	Solid	3665A	112684
LCS 180-112684/2-C	Lab Control Sample	Total/NA	Solid	3665A	112684
MB 180-112684/1-C	Method Blank	Total/NA	Solid	3665A	112684

Cleanup Batch: 112703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-34	SSHS-FB2-A-SS	Total/NA	Solid	3660B	112702
180-35079-34 MS	SSHS-FB2-A-SS	Total/NA	Solid	3660B	112702
180-35079-34 MSD	SSHS-FB2-A-SS	Total/NA	Solid	3660B	112702
LCS 180-112684/2-C	Lab Control Sample	Total/NA	Solid	3660B	112702
MB 180-112684/1-C	Method Blank	Total/NA	Solid	3660B	112702

Analysis Batch: 117172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-1	SSHS-FB6-A-SS	Total/NA	Solid	8082A	112495
180-35079-2	SSHS-SS16-SS	Total/NA	Solid	8082A	112495
180-35079-3	SSHS-SS12-B-SS	Total/NA	Solid	8082A	112495
180-35079-4	SSHS-SS12-B-0.17-1	Total/NA	Solid	8082A	112495
180-35079-5	SSHS-SS12-B-1-2	Total/NA	Solid	8082A	112495
180-35079-6	SSHS-SS12-B-2-3	Total/NA	Solid	8082A	112495
180-35079-7	SSHS-FB1-A-SS	Total/NA	Solid	8082A	112495
180-35079-7 MS	SSHS-FB1-A-SS	Total/NA	Solid	8082A	112495
180-35079-7 MSD	SSHS-FB1-A-SS	Total/NA	Solid	8082A	112495
180-35079-8	SSHS-SS12-A-SS	Total/NA	Solid	8082A	112495
180-35079-9	SSHS-SS12-A-0.17-1	Total/NA	Solid	8082A	112495
180-35079-10	SSHS-SS12-A-1-2	Total/NA	Solid	8082A	112495
180-35079-11	SSHS-SS12-A-2-3	Total/NA	Solid	8082A	112495
180-35079-12	SSHS-FB11-A-SS	Total/NA	Solid	8082A	112495
180-35079-13	SSHS-SS12-C-SS	Total/NA	Solid	8082A	112495
180-35079-14	SSHS-SS12-C-0.17-1	Total/NA	Solid	8082A	112495
180-35079-15	SSHS-SS12-C-1-2	Total/NA	Solid	8082A	112495
180-35079-16	SSHS-SS12-C-2-3	Total/NA	Solid	8082A	112667
180-35079-16 MS	SSHS-SS12-C-2-3	Total/NA	Solid	8082A	112667
180-35079-16 MSD	SSHS-SS12-C-2-3	Total/NA	Solid	8082A	112667
180-35079-17	SSHS-FB10-A-SS	Total/NA	Solid	8082A	112495
180-35079-18	SSHS-B15-A-SS	Total/NA	Solid	8082A	112495
180-35079-19	SSHS-FB3-A-SS	Total/NA	Solid	8082A	112495
180-35079-20	SSHS-B15-A-0.17-1	Total/NA	Solid	8082A	112495
180-35079-21	SSHS-B15-A-1-2	Total/NA	Solid	8082A	112495
180-35079-22	SSHS-B15-A-2-3	Total/NA	Solid	8082A	112667
180-35079-23	SSHS-B15-C-SS	Total/NA	Solid	8082A	112667

QC Association Summary

GC Semi VOA (Continued)

Analysis Batch: 117172 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-24	SSHS-B15-C-0.17-1	Total/NA	Solid	8082A	112667
180-35079-25	SSHS-B15-C-1-2	Total/NA	Solid	8082A	112667
180-35079-26	SSHS-B15-C-2-3	Total/NA	Solid	8082A	112667
180-35079-27	SSHS-B15-B-SS	Total/NA	Solid	8082A	112667
180-35079-28	SSHS-B15-B-0.17-1	Total/NA	Solid	8082A	112667
180-35079-29	SSHS-B15-B-1-2	Total/NA	Solid	8082A	112667
180-35079-30	SSHS-B15-B-2-3	Total/NA	Solid	8082A	112667
180-35079-31	SSHS-B1S-A-SS	Total/NA	Solid	8082A	112667
180-35079-32	SSHS-B9SS-A-SS	Total/NA	Solid	8082A	112667
180-35079-33	SSHS-B4SS-A-SS	Total/NA	Solid	8082A	112667
180-35079-34	SSHS-FB2-A-SS	Total/NA	Solid	8082A	112703
180-35079-34 MS	SSHS-FB2-A-SS	Total/NA	Solid	8082A	112703
180-35079-34 MSD	SSHS-FB2-A-SS	Total/NA	Solid	8082A	112703
180-35079-35	SSHS-FB9-A-SS	Total/NA	Solid	8082A	112667
180-35079-36	EB-20140722	Total/NA	Water	8082A	112655
180-35079-37	SSHS-FB4-A-SS	Total/NA	Solid	8082A	112667
180-35079-38	SSHS-SS15-SS	Total/NA	Solid	8082A	112667
180-35079-39	SSHS-DUP5	Total/NA	Solid	8082A	112667
180-35079-40	SSHS-SS12-DUP6	Total/NA	Solid	8082A	112667
180-35079-41	SSHS-DUP7	Total/NA	Solid	8082A	112667
180-35079-42	SSHS-B15-DUP8	Total/NA	Solid	8082A	112667
LCS 180-112444/2-C	Lab Control Sample	Total/NA	Solid	8082A	112495
LCS 180-112574/2-C	Lab Control Sample	Total/NA	Solid	8082A	112667
LCS 180-112655/4-A	Lab Control Sample	Total/NA	Water	8082A	112655
LCS 180-112684/2-C	Lab Control Sample	Total/NA	Solid	8082A	112703
LCSD 180-112655/5-A	Lab Control Sample Dup	Total/NA	Water	8082A	112655
MB 180-112444/1-C	Method Blank	Total/NA	Solid	8082A	112495
MB 180-112574/1-C	Method Blank	Total/NA	Solid	8082A	112667
MB 180-112655/1-A	Method Blank	Total/NA	Water	8082A	112655
MB 180-112684/1-C	Method Blank	Total/NA	Solid	8082A	112703

General Chemistry

Analysis Batch: 112483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-1	SSHS-FB6-A-SS	Total/NA	Solid	2540G	
180-35079-2	SSHS-SS16-SS	Total/NA	Solid	2540G	
180-35079-3	SSHS-SS12-B-SS	Total/NA	Solid	2540G	
180-35079-4	SSHS-SS12-B-0.17-1	Total/NA	Solid	2540G	
180-35079-5	SSHS-SS12-B-1-2	Total/NA	Solid	2540G	
180-35079-6	SSHS-SS12-B-2-3	Total/NA	Solid	2540G	
180-35079-7	SSHS-FB1-A-SS	Total/NA	Solid	2540G	
180-35079-7 DU	SSHS-FB1-A-SS	Total/NA	Solid	2540G	
180-35079-8	SSHS-SS12-A-SS	Total/NA	Solid	2540G	
180-35079-9	SSHS-SS12-A-0.17-1	Total/NA	Solid	2540G	
180-35079-10	SSHS-SS12-A-1-2	Total/NA	Solid	2540G	
180-35079-11	SSHS-SS12-A-2-3	Total/NA	Solid	2540G	
180-35079-12	SSHS-FB11-A-SS	Total/NA	Solid	2540G	
180-35079-13	SSHS-SS12-C-SS	Total/NA	Solid	2540G	
180-35079-14	SSHS-SS12-C-0.17-1	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 112483 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-15	SSHS-SS12-C-1-2	Total/NA	Solid	2540G	
180-35079-16	SSHS-SS12-C-2-3	Total/NA	Solid	2540G	
180-35079-16 DU	SSHS-SS12-C-2-3	Total/NA	Solid	2540G	
180-35079-17	SSHS-FB10-A-SS	Total/NA	Solid	2540G	
180-35079-18	SSHS-B15-A-SS	Total/NA	Solid	2540G	
180-35079-19	SSHS-FB3-A-SS	Total/NA	Solid	2540G	
180-35079-20	SSHS-B15-A-0.17-1	Total/NA	Solid	2540G	

Analysis Batch: 112509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-21	SSHS-B15-A-1-2	Total/NA	Solid	2540G	
180-35079-21 DU	SSHS-B15-A-1-2	Total/NA	Solid	2540G	
180-35079-22	SSHS-B15-A-2-3	Total/NA	Solid	2540G	
180-35079-23	SSHS-B15-C-SS	Total/NA	Solid	2540G	
180-35079-24	SSHS-B15-C-0.17-1	Total/NA	Solid	2540G	
180-35079-25	SSHS-B15-C-1-2	Total/NA	Solid	2540G	
180-35079-26	SSHS-B15-C-2-3	Total/NA	Solid	2540G	
180-35079-27	SSHS-B15-B-SS	Total/NA	Solid	2540G	
180-35079-28	SSHS-B15-B-0.17-1	Total/NA	Solid	2540G	
180-35079-29	SSHS-B15-B-1-2	Total/NA	Solid	2540G	
180-35079-30	SSHS-B15-B-2-3	Total/NA	Solid	2540G	
180-35079-31	SSHS-B1S-A-SS	Total/NA	Solid	2540G	
180-35079-32	SSHS-B9SS-A-SS	Total/NA	Solid	2540G	
180-35079-33	SSHS-B4SS-A-SS	Total/NA	Solid	2540G	
180-35079-33 DU	SSHS-B4SS-A-SS	Total/NA	Solid	2540G	
180-35079-34	SSHS-FB2-A-SS	Total/NA	Solid	2540G	
180-35079-35	SSHS-FB9-A-SS	Total/NA	Solid	2540G	
180-35079-37	SSHS-FB4-A-SS	Total/NA	Solid	2540G	
180-35079-38	SSHS-SS15-SS	Total/NA	Solid	2540G	
180-35079-39	SSHS-DUP5	Total/NA	Solid	2540G	
180-35079-40	SSHS-SS12-DUP6	Total/NA	Solid	2540G	
180-35079-41	SSHS-DUP7	Total/NA	Solid	2540G	

Analysis Batch: 112520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35079-42	SSHS-B15-DUP8	Total/NA	Solid	2540G	
180-35079-42 DU	SSHS-B15-DUP8	Total/NA	Solid	2540G	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information

Client Contact: Adam Gray
Company: Geosyntec Consultants, Inc.
Address: 10220 Old Columbia Road Suite A
City: Columbia
State, Zip: MD, 21046
Phone:
Email: agray@geosyntec.com
Project Name: Former Sperry Remington Site - North
Site:

Sampler: Adam Gray
Phone: 301-379-0933
Due Date Requested:
TAT Requested (days): 3-DAY
PO #: MN0832
WO #:
Project #: 18013464
SSOW#:

Lab PM: Dunlap, David A
E-Mail: dave.dunlap@testamericainc.com
Carrier Tracking No(s):
COC No: 180-18661-4775.7
Page: Page 1 of 5
Job #:

Analysis Requested

180-35079 Chain of Custody

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A PCBs	8270D TCL SVOCs+TICs	Total Number of containers	Special Instructions/Note: 2 coolers
				Preservation Code:						
SSHS-FB6-A-SS	7/22/2014	07:50	G	S	N	N	X	X	2	
SSHS-SS16-SS		08:10	G	S	N	N	X		1	
SSHS-SS12-B-SS		08:50	G	S	N	N	X		1	
SSHS-SS12-B-0.17-1		08:53	C	S	N	N	X		1	
SSHS-SS12-B-1-2		08:56	C	S	N	N	X		1	
SSHS-SS12-B-2-3		09:00	C	S	N	N	X		1	
SSHS-FB2-A-SS		09:00	G	S	N	N	X		1	
SSHS-FB2-A-SS MS/MSD		09:00	G	S	N	Y	X		3	
SSHS-SS12-A-SS		09:05	G	S	N	N	X		1	
SSHS-SS12-A-0.17-1		09:07	C	S	N	N	X		1	
SSHS-SS12-A-1-2		09:09	C	S	N	N	X		1	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Deliverable Requested: I, II, III, [✓ IV], Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*

Special Instructions/QC Requirements:

Empty Kit Relinquished by:
Date:
Time:
Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	7/22/2014 1700	Geosyntec		7/23/14 0910	TAP

Custody Seals Intact: ∆ Yes ∆ No
Custody Seal No.: 120720, 120721
Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.7
Client Contact: Adam Gray	Phone: 301-329-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 2 of 5
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10220 Old Columbia Road Suite A	Due Date Requested:
City: Columbia	TAT Requested (days): 3 DAY
State, Zip: MD, 21046	
Phone:	PO #: MN0832
Email: agray@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site - North	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

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

Other:

2 Coolers

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A PCBs	8270D TCL SVOC, TICs	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SSHS-SS12-A-2-3	7/22/2014	09:10	C	S	N	N	X		1	
SSHS-FB11-A-SS		09:15	G	S	N	N	X		1	
SSHS-SS12-C-SS		09:30	G	S	N	N	X		1	
SSHS-SS12-C-0.17-1		09:32	C	S	N	N	X		1	
SSHS-SS12-C-1-2		09:34	C	S	N	N	X		1	
SSHS-SS12-C-2-3		09:36	C	S	N	N	X		1	
SSHS-SS12-C-2-3 MS/MSD		09:36	C	S	N	Y	X		2	
SSHS-FB10-A-SS		09:55	G	S	N	N	X	X	2	
SSHS-B15-A-SS		10:14	G	S	N	N	X		1	
SSHS-FB3-A-SS		10:15	G	S	N	N	X		1	
SSHS-B15-A-0.17-1	↓	10:16	C	S	N	N	X		1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

Deliverable Requested: I, II, III, [✓ IV], Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 7/22/2014 1700	Company: Geosyntec	Received by:	Date/Time: 7/23/14 0916	Company: TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 120720, 120721	Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.7
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 3 of 5
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-DAY			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A PCBs	8270D TCL SVOCs +TICs	Total Number of containers	Special Instructions/Note: 2 coolers
			Preservation Code:							
SSHS-B15-A-1-2	7/22/2014	10:18	C	S	N	N	X		1	
SSHS-B15-A-2-3		10:20	C	S	N	N	X		1	
SSHS-B15-C-SS		10:46	G	S	N	N	X		1	
SSHS-B15-C-0.17-1		10:48	C	S	N	N	X		1	
SSHS-B15-C-1-2		10:50	C	S	N	N	X		1	
SSHS-B15-C-2-3		10:52	C	S	N	N	X		1	
SSHS-B15-B-SS		11:08	G	S	N	N	X		1	
SSHS-B15-B-0.17-1		1110	C	S	N	N	X		1	
SSHS-B15-B-1-2		11:12	C	S	N	N	X		1	
SSHS-B15-B-2-3		11:14	C	S	N	N	X		1	
SSHS-B51-A-SS		11:40	G	S	N	N	X		1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, [✓ IV], Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 7/22/2014 1700	Company: Geosyntec	Received by:	Date/Time: 7/23/14 0910	Company: TAP
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.: 120720, 120721

Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.7
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 4 of 5
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10220 Old Columbia Road Suite A	Due Date Requested:
City: Columbia	TAT Requested (days): 3-DAY
State, Zip: MD, 21046	
Phone:	PO #: MN0832
Email: agray@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site - North	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

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

Other:

Special Instructions/Note: 2 coolers

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A PCBs	8270D TCL-Svocs+TICs	Total Number of containers
			Preservation Code:						
SSHS-B955-A-55	7/22/2014	11:55	G	S	N	N	X		1
SSHS-B455-A-55		12:15	G	S	N	N	X		1
SSHS-FB2-A-55		13:00	G	S	N	N	X		1
SSHS-FB2-A-55 MS/MSD		13:00	G	S	N	Y	X		2
SSHS-FB9-A-53		13:15	G	S	N	N	X	X	3
EB1-20140722		13:45	G	W	N	N	X	X	3
SSHS-FB4-A-55		14:10	G	S	N	N	X		1
SSHS-5515-55		14:15	G	S	N	N	X		1
~~D~~ SSHS-DUP5		—	C	S	N	N	X	X	2
SSHS-5512-DUP6		—	C	S	N	N	X		1
SSHS-DUP7		—	C	S	N	N	X		1

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, [✓ IV], Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 7/22/2014 1700	Company: Geosyntec	Received by:	Date/Time: 7/23/14 0910	Company: TAP
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 120720, 120721		Cooler Temperature(s) °C and Other Remarks:		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.7
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 5 of 5
Company: Geosyntec Consultants, Inc.		**Analysis Requested**		Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA

M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A PCBs	Total Number of containers	Special Instructions/Note: 2 coolers
			Preservation Code:						
3SHS-B15-DUP8	7/22/2014	—	C	S	N	N	X	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, [✓ IV], Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 7/22/2014 1700	Company: Geosyntec	Received by:	Date/Time: 7/23/14 0910	Company: TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: △ Yes △ No	Custody Seal No.: 120720, 120721		Cooler Temperature(s) °C and Other Remarks:		

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-35079-1

Login Number: 35079

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Butcher, Ryan M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

TestAmerica Job ID: 180-35729-1
Client Project/Site: Former Sperry Remington Site - North

For:
Geosyntec Consultants, Inc.
10220 Old Columbia Road
Suite A
Columbia, Maryland 21046

Attn: Mr. Aron Krasnopoler

Authorized for release by:
8/29/2014 8:42:29 PM

David Dunlap, Senior Project Manager
(412)963-2432
dave.dunlap@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Case Narrative

Job ID: 180-35729-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-35729-1

Receipt
The samples were received on 8/13/2014 1:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.8º C, 1.9º C and 2.6º C.

GC/MS VOA
Method(s) 8260C: The recovery of surrogate 1,2-dichloroethane-d4 was above the control limits for sample SSHS-B93-0.17-2 (1.5) (180-35729-17). As the recovery was high and there were no target compounds detected in the sample, the results were reported.

Method(s) 8260C: The recovery of surrogate dibromofluoromethane was above the control limits for sample 20140812-SOURCE BLANK (180-35729-37). As the recovery was high and there were no target compounds detected in the sample, the results were reported.

Method(s) 8260C: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch 115104 recovered above the control limits for the following analyte: 2-hexanone. As this analyte was biased high in the LCS/LCSD and was not detected in the associated samples, the results were reported.

Method(s) 8260C: The laboratory control sample duplicate (LCSD) for batch 115232 recovered slightly above the control limits for the following analyte: 1,3-dichlorobenzene. As this analyte was biased high in the LCSD and was not detected in the associated samples, the results were reported.

Method(s) 8260C: The laboratory control sample (LCS) for batch 114635 recovered above the control limits for the following analyte: 1,2-dichloroethene. As this analyte was biased high in the LCSD and was not detected in the associated samples, the results were reported.

Method(s) 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for prep batch 115242 was above the control limits for the following analyte: 1-2-dibromo-3 chloropropane. The recoveries were within the control limits.

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

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method 8081B: CCV 180-115680/22 was above criteria on column MR-1 for 4,4’-DDD and endosulfan II. As the CCV met criteria on column MR-2, and the results were either non-detects or below the reporting limit, the results were reported.

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

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

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

Definitions/Glossary

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	RPD of the LCS and LCSD exceeds the control limits
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery exceeds the control limits
B	Compound was found in the blank and sample.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Laboratory: TestAmerica Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	**Program**	**EPA Region**	**Certification ID**	**Expiration Date**
New York	NELAP	2	11182	03-31-15

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	1,2,3-Trichlorobenzene
8260C	5035	Solid	Cyclohexane
8270D	3541	Solid	1,4-Dioxane

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
8270D LL	3520C	Water	1,4-Dioxane

Laboratory: TestAmerica Canton

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

Authority	**Program**	**EPA Region**	**Certification ID**	**Expiration Date**
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-14 *
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-14 *

* Certification renewal pending - certification considered valid.

Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-35729-1	SSHS-B95-0.17-2 (1.5)	Solid	08/12/14 14:47	08/13/14 12:37
180-35729-2	SSHS-B95-2-6 (4)	Solid	08/12/14 14:52	08/13/14 12:37
180-35729-3	SSHS-B95-6-10 (8)	Solid	08/12/14 15:02	08/13/14 12:37
180-35729-4	SSHS-B95-10-15 (11.5)	Solid	08/12/14 15:07	08/13/14 12:37
180-35729-5	SSHS-B92-SS	Solid	08/12/14 10:15	08/13/14 12:37
180-35729-6	SSHS-B92-0.17-2 (1)	Solid	08/12/14 10:18	08/13/14 12:37
180-35729-7	SSHS-B92-2-6 (4)	Solid	08/12/14 10:21	08/13/14 12:37
180-35729-8	SSHS-B92-6-10 (9)	Solid	08/12/14 10:28	08/13/14 12:37
180-35729-9	SSHS-B92-10-16 (12)	Solid	08/12/14 10:38	08/13/14 12:37
180-35729-10	SSHS-B94-SS	Solid	08/12/14 11:34	08/13/14 12:37
180-35729-11	SSHS-B96-SS	Solid	08/12/14 15:55	08/13/14 12:37
180-35729-12	SSHS-B96-0.17-2 (1.5)	Solid	08/12/14 16:00	08/13/14 12:37
180-35729-13	SSHS-B96-2-6 (4.5)	Solid	08/12/14 16:08	08/13/14 12:37
180-35729-14	SSHS-B96-6-10 (9.5)	Solid	08/12/14 16:15	08/13/14 12:37
180-35729-15	SSHS-B96-10-15.5 (12.5)	Solid	08/12/14 16:20	08/13/14 12:37
180-35729-16	SSHS-B93-SS	Solid	08/12/14 13:30	08/13/14 12:37
180-35729-17	SSHS-B93-0.17-2 (1.5)	Solid	08/12/14 13:34	08/13/14 12:37
180-35729-18	SSHS-B93-2-6 (5)	Solid	08/12/14 13:41	08/13/14 12:37
180-35729-19	SSHS-B93-6-10 (9.5)	Solid	08/12/14 13:49	08/13/14 12:37
180-35729-20	SSHS-B93-10-16 (15)	Solid	08/12/14 13:57	08/13/14 12:37
180-35729-21	SSHS-B95-SS	Solid	08/12/14 14:40	08/13/14 12:37
180-35729-22	SSHS-B94-0.17-2 (1)	Solid	08/12/14 11:37	08/13/14 12:37
180-35729-23	SSHS-B94-2-6 (6)	Solid	08/12/14 11:41	08/13/14 12:37
180-35729-24	SSHS-B94-6-10 (7)	Solid	08/12/14 11:47	08/13/14 12:37
180-35729-25	SSHS-B94-10-16 (14)	Solid	08/12/14 11:55	08/13/14 12:37
180-35729-26	DUP-1	Solid	08/12/14 00:00	08/13/14 12:37
180-35729-27	DUP-2	Solid	08/12/14 00:00	08/13/14 12:37
180-35729-28	SSHS-B93-GW-18-22	Water	08/12/14 14:20	08/13/14 12:37
180-35729-29	SSHS-B94-GW-18-22	Water	08/12/14 12:27	08/13/14 12:37
180-35729-30	SSHS-B92-GW-18-22	Water	08/12/14 11:10	08/13/14 12:37
180-35729-31	SSHS-B95-GW-18-22	Water	08/12/14 15:27	08/13/14 12:37
180-35729-32	SSHS-B96-GW-18-22	Water	08/12/14 16:41	08/13/14 12:37
180-35729-33	DUP-3-GW	Water	08/12/14 00:00	08/13/14 12:37
180-35729-34	TRIP BLANK	Water	08/12/14 00:00	08/13/14 12:37
180-35729-35	20140812-EQUIPMENT BLANK-GW	Water	08/12/14 16:00	08/13/14 12:37
180-35729-36	20140812-EQUIPMENT BLANK-SOIL	Water	08/12/14 16:53	08/13/14 12:37
180-35729-37	20140812-SOURCE BLANK	Water	08/12/14 15:55	08/13/14 12:37

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds (GC/MS)	SW846	TAL PIT
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PIT
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
8015D	Gasoline Range Organics (GRO) (GC)	SW846	TAL CAN
8015D	Diesel Range Organics (DRO) (GC)	SW846	TAL CAN
8081B	Organochlorine Pesticides (GC)	SW846	TAL PIT
8081B_LL	Organochlorine Pesticides (GC)	SW846	TAL PIT
8082A	Polychlorinated Biphenyls (PCBs) (GC)	SW846	TAL PIT
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
6010C	Metals (ICP)	SW846	TAL PIT
7470A	Mercury (CVAA)	SW846	TAL PIT
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
9014	Cyanide	SW846	TAL PIT

Protocol References:

SM22 = SM22
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396
TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Client Sample ID: SSHS-B95-0.17-2 (1.5)

Lab Sample ID: 180-35729-1

Date Collected: 08/12/14 14:47
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.8505 g	5 mL	114641	08/14/14 03:59	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.8505 g	5 mL	114635	08/14/14 11:49	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115193	08/19/14 13:55	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115424	08/20/14 18:00	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115597	08/22/14 01:40	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115599	08/22/14 02:11	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.97 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.97 g	100 mL	116072	08/26/14 08:03	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	3050B			00000.97 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.97 g	100 mL	116283	08/27/14 17:38	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			00000.63 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.63 g	100 mL	115302	08/19/14 14:49	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114721	08/14/14 10:49	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.04 g	50 mL	115113	08/18/14 11:35	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	115140	08/18/14 13:02	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B95-2-6 (4)

Lab Sample ID: 180-35729-2

Date Collected: 08/12/14 14:52
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.1179 g	5 mL	114641	08/14/14 03:59	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.1179 g	5 mL	114635	08/14/14 12:12	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115193	08/19/14 14:23	VVP	TAL PIT
	Instrument ID:	CH733								

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

Client Sample ID: SSHS-B95-2-6 (4) Lab Sample ID: 180-35729-2

Date Collected: 08/12/14 14:52 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 92.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115424	08/20/14 18:16	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115597	08/22/14 02:11	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115599	08/22/14 02:42	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.03 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116072	08/26/14 08:08	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			00001.03 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116283	08/27/14 17:43	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			00000.64 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.64 g	100 mL	115302	08/19/14 14:51	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114721	08/14/14 10:49	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.99 g	50 mL	115113	08/18/14 11:35	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115140	08/18/14 13:02	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B95-6-10 (8) Lab Sample ID: 180-35729-3

Date Collected: 08/12/14 15:02 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 94.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6487 g	5 mL	114641	08/14/14 03:59	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.6487 g	5 mL	114635	08/14/14 07:19	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115193	08/19/14 14:52	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115424	08/20/14 18:32	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT

Client Sample ID: SSHS-B95-6-10 (8)

Lab Sample ID: 180-35729-3

Date Collected: 08/12/14 15:02
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115597	08/22/14 02:42	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115599	08/22/14 03:13	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.99 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116072	08/26/14 08:14	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	3050B			00000.99 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116283	08/27/14 17:48	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			00000.64 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.64 g	100 mL	115302	08/19/14 14:53	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114721	08/14/14 10:49	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.05 g	50 mL	115113	08/18/14 11:35	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.05 g	50 mL	115140	08/18/14 13:02	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B95-10-15 (11.5)

Lab Sample ID: 180-35729-4

Date Collected: 08/12/14 15:07
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9521 g	5 mL	114641	08/14/14 03:59	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.9521 g	5 mL	114635	08/14/14 12:35	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115193	08/19/14 16:16	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115424	08/20/14 19:19	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115597	08/22/14 04:16	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT

Lab Chronicle

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35729-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B95-10-15 (11.5) Lab Sample ID: 180-35729-4

Date Collected: 08/12/14 15:07 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 91.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115599	08/22/14 04:48	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.99 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116072	08/26/14 08:39	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	3050B			00000.99 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116283	08/27/14 18:14	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			00000.65 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.65 g	100 mL	115302	08/19/14 15:02	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114721	08/14/14 10:49	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	115113	08/18/14 11:35	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115140	08/18/14 13:09	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B92-SS Lab Sample ID: 180-35729-5

Date Collected: 08/12/14 10:15 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 67.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8911 g	5 mL	114641	08/14/14 03:59	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.8911 g	5 mL	114635	08/14/14 12:57	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115193	08/19/14 16:44	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115424	08/20/14 19:34	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115597	08/22/14 04:48	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115599	08/22/14 05:19	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.04 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.04 g	100 mL	116072	08/26/14 08:54	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	3050B			00001.04 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT

Lab Chronicle

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

Client Sample ID: SSHS-B92-SS

Lab Sample ID: 180-35729-5

Date Collected: 08/12/14 10:15

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 67.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	00001.04 g	100 mL	116283	08/27/14 18:30	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			00000.65 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.65 g	100 mL	115302	08/19/14 15:04	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114721	08/14/14 10:49	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.01 g	50 mL	115113	08/18/14 11:35	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	115140	08/18/14 13:09	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B92-0.17-2 (1)

Lab Sample ID: 180-35729-6

Date Collected: 08/12/14 10:18

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9965 g	5 mL	114641	08/14/14 03:59	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.9965 g	5 mL	114635	08/14/14 13:20	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115415	08/20/14 12:25	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115424	08/20/14 19:50	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115597	08/22/14 05:19	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115599	08/22/14 05:50	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00000.98 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.98 g	100 mL	116072	08/26/14 09:00	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			00000.98 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.98 g	100 mL	116283	08/27/14 18:35	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			00000.65 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.65 g	100 mL	115302	08/19/14 15:05	LEM	TAL PIT
	Instrument ID: K									

Client Sample ID: SSHS-B92-0.17-2 (1)

Lab Sample ID: 180-35729-6

Date Collected: 08/12/14 10:18

Matrix: Solid

Date Received: 08/13/14 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			114721	08/14/14 10:49	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.04 g	50 mL	115113	08/18/14 11:35	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	115140	08/18/14 13:09	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B92-2-6 (4)

Lab Sample ID: 180-35729-7

Date Collected: 08/12/14 10:21

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.0826 g	5 mL	114641	08/14/14 03:59	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.0826 g	5 mL	114635	08/14/14 13:42	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115193	08/19/14 17:40	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115424	08/20/14 20:05	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115597	08/22/14 05:50	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115599	08/22/14 06:21	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.08 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116072	08/26/14 09:05	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			00001.08 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116283	08/27/14 18:40	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			00000.63 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.63 g	100 mL	115302	08/19/14 15:07	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114721	08/14/14 10:49	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.04 g	50 mL	115113	08/18/14 11:35	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	115140	08/18/14 13:09	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Lab Chronicle

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35729-1

Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B92-6-10 (9)

Lab Sample ID: 180-35729-8

Date Collected: 08/12/14 10:28

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 74.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.139 g	5 mL	114641	08/14/14 03:59	KLG	TAL PIT
Total/NA	Analysis	8260C		1	7.139 g	5 mL	114635	08/14/14 14:04	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115193	08/19/14 18:08	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115424	08/20/14 20:21	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115597	08/22/14 06:21	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115599	08/22/14 06:53	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.02 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116072	08/26/14 09:10	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	3050B			00001.02 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116283	08/27/14 18:46	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			00000.60 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.60 g	100 mL	115302	08/19/14 15:09	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114721	08/14/14 10:49	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.01 g	50 mL	115113	08/18/14 11:35	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	115140	08/18/14 13:09	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B92-10-16 (12)

Lab Sample ID: 180-35729-9

Date Collected: 08/12/14 10:38

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.5468 g	5 mL	114641	08/14/14 03:59	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.5468 g	5 mL	114635	08/14/14 14:27	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115500	08/20/14 15:58	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115579	08/21/14 12:26	VVP	TAL PIT
	Instrument ID:	CH732								

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

Client Sample ID: SSHS-B92-10-16 (12)

Lab Sample ID: 180-35729-9

Date Collected: 08/12/14 10:38
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115424	08/20/14 20:36	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115597	08/22/14 06:53	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115599	08/22/14 07:24	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.95 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.95 g	100 mL	116072	08/26/14 09:15	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	3050B			00000.95 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.95 g	100 mL	116283	08/27/14 18:51	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			00000.65 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.65 g	100 mL	115302	08/19/14 15:10	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114721	08/14/14 10:49	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.97 g	50 mL	115113	08/18/14 11:35	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.97 g	50 mL	115140	08/18/14 13:09	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B94-SS

Lab Sample ID: 180-35729-10

Date Collected: 08/12/14 11:34
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 70.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1279 g	5 mL	114641	08/14/14 03:59	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.1279 g	5 mL	114635	08/14/14 14:50	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115193	08/19/14 19:04	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115424	08/20/14 20:52	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B94-SS

Lab Sample ID: 180-35729-10

Date Collected: 08/12/14 11:34
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 70.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115597	08/22/14 07:24	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115599	08/22/14 07:56	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.10 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.10 g	100 mL	116072	08/26/14 09:20	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			00001.10 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.10 g	100 mL	116283	08/27/14 18:56	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			00000.64 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.64 g	100 mL	115302	08/19/14 15:12	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114721	08/14/14 10:49	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.98 g	50 mL	115113	08/18/14 11:35	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	115140	08/18/14 13:17	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B96-SS

Lab Sample ID: 180-35729-11

Date Collected: 08/12/14 15:55
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4954 g	5 mL	115242	08/19/14 08:45	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5.4954 g	5 mL	115214	08/19/14 19:30	PJJ	TAL PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.1 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115193	08/19/14 19:32	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115424	08/20/14 21:08	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115597	08/22/14 09:30	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT

Client Sample ID: SSHS-B96-SS — Lab Sample ID: 180-35729-11

Date Collected: 08/12/14 15:55 — **Matrix: Solid**
Date Received: 08/13/14 12:37 — **Percent Solids: 82.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115599	08/22/14 10:02	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.99 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116072	08/26/14 09:25	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	3050B			00000.99 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116283	08/27/14 19:02	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			00000.60 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.60 g	100 mL	115302	08/19/14 15:14	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114721	08/14/14 10:49	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.01 g	50 mL	115113	08/18/14 11:35	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	115140	08/18/14 13:17	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B96-0.17-2 (1.5) — Lab Sample ID: 180-35729-12

Date Collected: 08/12/14 16:00 — **Matrix: Solid**
Date Received: 08/13/14 12:37 — **Percent Solids: 92.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6108 g	5 mL	114801	08/15/14 04:00	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.6108 g	5 mL	114794	08/15/14 07:31	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115193	08/19/14 20:00	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.2 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20.0 mL	115424	08/20/14 21:23	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.2 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	115597	08/22/14 10:02	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.2 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	115599	08/22/14 10:33	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.12 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.12 g	100 mL	116072	08/26/14 09:30	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	3050B			00001.12 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B96-0.17-2 (1.5)

Lab Sample ID: 180-35729-12

Date Collected: 08/12/14 16:00
Date Received: 08/13/14 12:37

Matrix: Solid
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	00001.12 g	100 mL	116283	08/27/14 19:07	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			00000.61 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.61 g	100 mL	115302	08/19/14 15:19	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114721	08/14/14 10:49	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.03 g	50 mL	115113	08/18/14 11:35	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	115140	08/18/14 13:17	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B96-2-6 (4.5)

Lab Sample ID: 180-35729-13

Date Collected: 08/12/14 16:08
Date Received: 08/13/14 12:37

Matrix: Solid
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8334 g	5 mL	114801	08/15/14 04:00	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.8334 g	5 mL	114794	08/15/14 09:27	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115415	08/20/14 12:53	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115424	08/20/14 21:39	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115597	08/22/14 10:33	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115599	08/22/14 11:05	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.03 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116072	08/26/14 09:36	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			00001.03 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116283	08/27/14 19:12	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			00000.61 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.61 g	100 mL	115302	08/19/14 15:21	LEM	TAL PIT
	Instrument ID: K									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B96-2-6 (4.5)

Lab Sample ID: 180-35729-13

Date Collected: 08/12/14 16:08
Date Received: 08/13/14 12:37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			114721	08/14/14 10:49	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.05 g	50 mL	115113	08/18/14 11:35	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.05 g	50 mL	115140	08/18/14 13:17	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B96-6-10 (9.5)

Lab Sample ID: 180-35729-14

Date Collected: 08/12/14 16:15
Date Received: 08/13/14 12:37

Matrix: Solid
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.4057 g	5 mL	114801	08/15/14 04:00	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.4057 g	5 mL	114794	08/15/14 09:54	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115193	08/19/14 20:56	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115424	08/20/14 21:55	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115597	08/22/14 11:05	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115599	08/22/14 11:36	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.04 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.04 g	100 mL	116072	08/26/14 09:41	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			00001.04 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.04 g	100 mL	116283	08/27/14 19:17	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			00000.61 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.61 g	100 mL	115302	08/19/14 15:23	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114721	08/14/14 10:49	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.00 g	50 mL	115113	08/18/14 11:35	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	115140	08/18/14 13:17	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B96-10-15.5 (12.5)

Lab Sample ID: 180-35729-15

Date Collected: 08/12/14 16:20

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.4077 g	5 mL	114801	08/15/14 04:00	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.4077 g	5 mL	114794	08/15/14 10:16	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115193	08/19/14 21:24	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115424	08/20/14 22:10	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115597	08/22/14 11:36	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115599	08/22/14 12:08	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.01 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.01 g	100 mL	116072	08/26/14 09:56	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			00001.01 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.01 g	100 mL	116283	08/27/14 19:33	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			00000.65 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.65 g	100 mL	115302	08/19/14 15:25	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114721	08/14/14 10:49	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.99 g	50 mL	115113	08/18/14 11:35	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115140	08/18/14 13:17	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B93-SS

Lab Sample ID: 180-35729-16

Date Collected: 08/12/14 13:30

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 72.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.0941 g	5 mL	114801	08/15/14 04:00	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.0941 g	5 mL	114794	08/15/14 10:39	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.2 g	5.0 mL	115193	08/19/14 21:52	VVP	TAL PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B93-SS

Lab Sample ID: 180-35729-16

Date Collected: 08/12/14 13:30

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 72.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115424	08/20/14 23:28	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115597	08/22/14 12:08	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115599	08/22/14 12:39	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.12 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.12 g	100 mL	116072	08/26/14 10:01	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			00001.12 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.12 g	100 mL	116283	08/27/14 19:39	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			00000.62 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.62 g	100 mL	115302	08/19/14 15:26	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114721	08/14/14 10:49	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.98 g	50 mL	115113	08/18/14 11:35	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	115140	08/18/14 13:32	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B93-0.17-2 (1.5)

Lab Sample ID: 180-35729-17

Date Collected: 08/12/14 13:34

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.4988 g	5 mL	114801	08/15/14 04:00	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.4988 g	5 mL	114794	08/15/14 11:04	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115193	08/19/14 22:20	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115424	08/20/14 23:44	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT

Client Sample ID: SSHS-B93-0.17-2 (1.5)

Lab Sample ID: 180-35729-17

Date Collected: 08/12/14 13:34

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115597	08/22/14 12:39	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115599	08/22/14 13:11	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.94 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.94 g	100 mL	116072	08/26/14 10:07	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	3050B			00000.94 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.94 g	100 mL	116283	08/27/14 19:44	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			00000.62 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.62 g	100 mL	115302	08/19/14 15:28	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114730	08/14/14 11:35	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.02 g	50 mL	115113	08/18/14 11:35	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	115140	08/18/14 13:17	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B93-2-6 (5)

Lab Sample ID: 180-35729-18

Date Collected: 08/12/14 13:41

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0314 g	5 mL	114801	08/15/14 04:00	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.0314 g	5 mL	114794	08/15/14 11:27	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115193	08/19/14 22:47	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115424	08/20/14 23:59	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115597	08/22/14 13:11	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT

Client Sample ID: SSHS-B93-2-6 (5) Lab Sample ID: 180-35729-18

Date Collected: 08/12/14 13:41 **Matrix: Solid**

Date Received: 08/13/14 12:37 **Percent Solids: 90.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115599	08/22/14 13:43	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.95 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.95 g	100 mL	116072	08/26/14 10:12	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	3050B			00000.95 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.95 g	100 mL	116283	08/27/14 19:49	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			00000.63 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.63 g	100 mL	115302	08/19/14 15:30	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114730	08/14/14 11:35	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.03 g	50 mL	115113	08/18/14 11:35	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	115140	08/18/14 13:17	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B93-6-10 (9.5) Lab Sample ID: 180-35729-19

Date Collected: 08/12/14 13:49 **Matrix: Solid**

Date Received: 08/13/14 12:37 **Percent Solids: 91.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.1076 g	5 mL	114801	08/15/14 04:00	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.1076 g	5 mL	114794	08/15/14 11:49	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115193	08/19/14 23:15	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115424	08/21/14 00:15	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115597	08/22/14 13:43	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115599	08/22/14 14:14	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.21 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.21 g	100 mL	116072	08/26/14 10:17	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	3050B			00001.21 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT

Client Sample ID: SSHS-B93-6-10 (9.5) Lab Sample ID: 180-35729-19

Date Collected: 08/12/14 13:49 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 91.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	00001.21 g	100 mL	116283	08/27/14 19:54	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			00000.60 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.60 g	100 mL	115302	08/19/14 15:31	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114730	08/14/14 11:35	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.00 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	115506	08/20/14 09:13	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B93-10-16 (15) Lab Sample ID: 180-35729-20

Date Collected: 08/12/14 13:57 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 93.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0875 g	5 mL	114801	08/15/14 04:00	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.0875 g	5 mL	114794	08/15/14 12:11	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115180	08/19/14 02:45	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115193	08/19/14 23:43	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115424	08/21/14 00:30	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115597	08/22/14 14:14	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	115362	08/20/14 06:05	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115458	08/20/14 13:47	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115459	08/20/14 13:48	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115599	08/22/14 14:46	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.15 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.15 g	100 mL	116072	08/26/14 10:22	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	3050B			00001.15 g	100 mL	115460	08/20/14 13:49	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.15 g	100 mL	116283	08/27/14 20:00	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			00000.62 g	100 mL	115222	08/19/14 09:31	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.62 g	100 mL	115302	08/19/14 15:33	LEM	TAL PIT
	Instrument ID: K									

Lab Chronicle

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35729-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B93-10-16 (15) Lab Sample ID: 180-35729-20

Date Collected: 08/12/14 13:57 **Matrix: Solid**
Date Received: 08/13/14 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			114730	08/14/14 11:35	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.01 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	115506	08/20/14 09:13	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B95-SS Lab Sample ID: 180-35729-21

Date Collected: 08/12/14 14:40 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 73.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2861 g	5 mL	114801	08/15/14 04:00	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.2861 g	5 mL	114794	08/15/14 12:34	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115500	08/20/14 15:58	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115579	08/21/14 12:53	VVP	TAL PIT
	Instrument ID:	CH732								
Total/NA	Prep	3541			15.0 g	20.0 mL	115626	08/21/14 14:57	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115680	08/22/14 15:32	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115626	08/21/14 14:57	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115717	08/22/14 11:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115718	08/22/14 11:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115796	08/23/14 18:17	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.0 g	20.0 mL	115626	08/21/14 14:57	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115717	08/22/14 11:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115718	08/22/14 11:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115798	08/23/14 18:50	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	3050B			00001.02 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116139	08/26/14 13:03	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			00000.62 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.62 g	100 mL	115636	08/21/14 14:49	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114730	08/14/14 11:35	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.96 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.96 g	50 mL	115506	08/20/14 09:13	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Lab Chronicle

Client Sample ID: SSHS-B94-0.17-2 (1)

Lab Sample ID: 180-35729-22

Date Collected: 08/12/14 11:37
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.8815 g	5 mL	114801	08/15/14 04:00	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.8815 g	5 mL	114794	08/15/14 12:57	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115500	08/20/14 15:58	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115579	08/21/14 14:11	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.0 g	20.0 mL	115626	08/21/14 14:57	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115680	08/22/14 16:19	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115626	08/21/14 14:57	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115717	08/22/14 11:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115718	08/22/14 11:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115796	08/23/14 19:54	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.0 g	20.0 mL	115626	08/21/14 14:57	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115717	08/22/14 11:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115718	08/22/14 11:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115798	08/23/14 20:27	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00001.00 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.00 g	100 mL	116139	08/26/14 13:08	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			00000.66 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.66 g	100 mL	115636	08/21/14 14:51	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114730	08/14/14 11:35	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.99 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115506	08/20/14 09:13	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B94-2-6 (6)

Lab Sample ID: 180-35729-23

Date Collected: 08/12/14 11:41
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.4763 g	5 mL	114801	08/15/14 04:00	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.4763 g	5 mL	114794	08/15/14 13:19	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115500	08/20/14 15:58	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115579	08/21/14 14:38	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.0 g	20.0 mL	115626	08/21/14 14:57	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115680	08/22/14 16:34	DFE	TAL PIT
	Instrument ID: CHGC15									

Client Sample ID: SSHS-B94-2-6 (6) Lab Sample ID: 180-35729-23

Date Collected: 08/12/14 11:41 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 92.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	115626	08/21/14 14:57	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115717	08/22/14 11:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115718	08/22/14 11:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115796	08/23/14 20:27	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.0 g	20.0 mL	115626	08/21/14 14:57	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115717	08/22/14 11:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115718	08/22/14 11:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115798	08/23/14 20:59	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00001.05 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.05 g	100 mL	116139	08/26/14 13:13	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			00000.61 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.61 g	100 mL	115636	08/21/14 14:52	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114730	08/14/14 11:35	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.99 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115506	08/20/14 09:20	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B94-6-10 (7) Lab Sample ID: 180-35729-24

Date Collected: 08/12/14 11:47 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 91.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.6812 g	5 mL	114801	08/15/14 04:00	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.6812 g	5 mL	114794	08/15/14 13:42	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115500	08/20/14 15:58	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115579	08/21/14 15:04	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.0 g	20.0 mL	115626	08/21/14 15:25	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115680	08/22/14 16:50	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115626	08/21/14 15:25	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115717	08/22/14 11:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115718	08/22/14 11:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115796	08/23/14 20:59	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.0 g	20.0 mL	115626	08/21/14 15:25	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115717	08/22/14 11:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115718	08/22/14 11:08	DFE	TAL PIT

Client Sample ID: SSHS-B94-6-10 (7) Lab Sample ID: 180-35729-24

Date Collected: 08/12/14 11:47 **Matrix: Solid**

Date Received: 08/13/14 12:37 **Percent Solids: 91.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115798	08/23/14 21:31	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00001.04 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.04 g	100 mL	116139	08/26/14 13:18	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			00000.60 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.60 g	100 mL	115636	08/21/14 14:54	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114730	08/14/14 11:35	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.98 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	115506	08/20/14 09:20	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B94-10-16 (14) Lab Sample ID: 180-35729-25

Date Collected: 08/12/14 11:55 **Matrix: Solid**

Date Received: 08/13/14 12:37 **Percent Solids: 90.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.336 g	5 mL	114801	08/15/14 04:00	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.336 g	5 mL	114794	08/15/14 14:04	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115500	08/20/14 15:58	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115579	08/21/14 15:30	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	115626	08/21/14 15:25	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115680	08/22/14 17:05	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20.0 mL	115626	08/21/14 15:25	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115717	08/22/14 11:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115718	08/22/14 11:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115796	08/23/14 21:31	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.1 g	20.0 mL	115626	08/21/14 15:25	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115717	08/22/14 11:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115718	08/22/14 11:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115798	08/23/14 22:04	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00000.97 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.97 g	100 mL	116139	08/26/14 13:24	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			00000.62 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.62 g	100 mL	115636	08/21/14 14:56	LEM	TAL PIT
	Instrument ID: K									

Lab Chronicle

Client Sample ID: SSHS-B94-10-16 (14)

Lab Sample ID: 180-35729-25

Date Collected: 08/12/14 11:55

Matrix: Solid

Date Received: 08/13/14 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			114730	08/14/14 11:35	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.02 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	115506	08/20/14 09:20	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: DUP-1

Lab Sample ID: 180-35729-26

Date Collected: 08/12/14 00:00

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.3487 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.3487 g	5 mL	114924	08/16/14 01:41	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115500	08/20/14 16:02	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115579	08/21/14 15:56	VVP	TAL PIT
	Instrument ID:	CH732								
Total/NA	Prep	3541			15.0 g	20.0 mL	115626	08/21/14 15:25	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115680	08/22/14 17:21	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115626	08/21/14 15:25	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115717	08/22/14 11:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115718	08/22/14 11:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115796	08/23/14 22:04	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.0 g	20.0 mL	115626	08/21/14 15:25	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115717	08/22/14 11:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115718	08/22/14 11:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115798	08/23/14 22:36	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	3050B			00001.01 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.01 g	100 mL	116139	08/26/14 13:29	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			00000.60 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.60 g	100 mL	115636	08/21/14 14:58	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114730	08/14/14 11:35	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.04 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	115506	08/20/14 09:20	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: DUP-2

Lab Sample ID: 180-35729-27

Date Collected: 08/12/14 00:00
Date Received: 08/13/14 12:37

Matrix: Solid
Percent Solids: 73.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.1619 g	5 mL	114801	08/15/14 04:00	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.1619 g	5 mL	114794	08/15/14 14:49	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115500	08/20/14 16:02	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115579	08/21/14 16:22	VVP	TAL PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.0 g	20.0 mL	115626	08/21/14 15:25	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115680	08/22/14 17:37	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115626	08/21/14 15:25	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115717	08/22/14 11:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115718	08/22/14 11:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115796	08/23/14 22:36	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.0 g	20.0 mL	115626	08/21/14 15:25	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115717	08/22/14 11:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115718	08/22/14 11:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115798	08/23/14 23:08	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00001.08 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116139	08/26/14 13:34	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			00000.63 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.63 g	100 mL	115636	08/21/14 15:03	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114730	08/14/14 11:35	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.00 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	115506	08/20/14 09:20	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B93-GW-18-22

Lab Sample ID: 180-35729-28

Date Collected: 08/12/14 14:20
Date Received: 08/13/14 12:37

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115104	08/18/14 21:08	DLF	TAL PIT
	Instrument ID: CHHP5									

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

Client Sample ID: SSHS-B94-GW-18-22

Lab Sample ID: 180-35729-29

Date Collected: 08/12/14 12:27

Matrix: Water

Date Received: 08/13/14 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115232	08/19/14 18:31	DLF	TAL PIT
	Instrument ID:	CHHP5								

Client Sample ID: SSHS-B92-GW-18-22

Lab Sample ID: 180-35729-30

Date Collected: 08/12/14 11:10

Matrix: Water

Date Received: 08/13/14 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115232	08/19/14 18:55	DLF	TAL PIT
	Instrument ID:	CHHP5								

Client Sample ID: SSHS-B95-GW-18-22

Lab Sample ID: 180-35729-31

Date Collected: 08/12/14 15:27

Matrix: Water

Date Received: 08/13/14 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115232	08/19/14 19:44	DLF	TAL PIT
	Instrument ID:	CHHP5								

Client Sample ID: SSHS-B96-GW-18-22

Lab Sample ID: 180-35729-32

Date Collected: 08/12/14 16:41

Matrix: Water

Date Received: 08/13/14 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115232	08/19/14 20:08	DLF	TAL PIT
	Instrument ID:	CHHP5								

Client Sample ID: DUP-3-GW

Lab Sample ID: 180-35729-33

Date Collected: 08/12/14 00:00

Matrix: Water

Date Received: 08/13/14 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115232	08/19/14 20:32	DLF	TAL PIT
	Instrument ID:	CHHP5								

Client Sample ID: TRIP BLANK

Lab Sample ID: 180-35729-34

Date Collected: 08/12/14 00:00

Matrix: Water

Date Received: 08/13/14 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115104	08/18/14 21:56	DLF	TAL PIT
	Instrument ID:	CHHP5								

Client Sample ID: 20140812-EQUIPMENT BLANK-GW

Lab Sample ID: 180-35729-35

Date Collected: 08/12/14 16:00
Matrix: Water
Date Received: 08/13/14 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115104	08/18/14 21:32	DLF	TAL PIT
	Instrument ID:	CHHP5								

Client Sample ID: 20140812-EQUIPMENT BLANK-SOIL

Lab Sample ID: 180-35729-36

Date Collected: 08/12/14 16:53
Matrix: Water
Date Received: 08/13/14 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115232	08/19/14 20:56	DLF	TAL PIT
	Instrument ID:	CHHP5								
Total/NA	Prep	3520C			240 mL	0.25 mL	114701	08/14/14 09:41	BJT	TAL PIT
Total/NA	Analysis	8270D LL		1	240 mL	0.25 mL	115191	08/19/14 19:47	VVP	TAL PIT
	Instrument ID:	CH732								
Total/NA	Prep	3510C			1040 mL	1.0 mL	115137	08/18/14 14:32	JPM	TAL PIT
Total/NA	Analysis	8081B_LL		1	1040 mL	1.0 mL	115424	08/20/14 12:50	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3510C			1040 mL	1.0 mL	115137	08/18/14 14:32	JPM	TAL PIT
Total/NA	Analysis	8082A		1	1040 mL	1.0 mL	115456	08/20/14 19:40	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total Recoverable	Prep	3005A			50 mL	50 mL	115029	08/18/14 06:08	SLB	TAL PIT
Total Recoverable	Analysis	6010C		1	50 mL	50 mL	116002	08/25/14 17:28	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7470A			50 mL	50 mL	114731	08/14/14 11:41	LEM	TAL PIT
Total/NA	Analysis	7470A		1	50 mL	50 mL	114757	08/14/14 13:46	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Prep	9010C			50 mL	50 mL	115561	08/21/14 08:50	PGJ	TAL PIT
Total/NA	Analysis	9014		1	50 mL	50 mL	115631	08/21/14 10:54	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: 20140812-SOURCE BLANK

Lab Sample ID: 180-35729-37

Date Collected: 08/12/14 15:55
Matrix: Water
Date Received: 08/13/14 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115232	08/19/14 21:21	DLF	TAL PIT
	Instrument ID:	CHHP5								
Total/NA	Prep	3520C			260 mL	0.25 mL	114701	08/14/14 09:41	BJT	TAL PIT
Total/NA	Analysis	8270D LL		1	260 mL	0.25 mL	115191	08/19/14 20:13	VVP	TAL PIT
	Instrument ID:	CH732								
Total/NA	Analysis	8015D		1	5 mL	5 mL	143382	08/19/14 12:36	KMG	TAL CAN
	Instrument ID:	AFID								
Total/NA	Prep	3520C			1030 mL	5 mL	143102	08/16/14 10:13	SDE	TAL CAN
Total/NA	Analysis	8015D		1	1030 mL	5 mL	143320	08/19/14 01:29	DEB	TAL CAN
	Instrument ID:	A2HP5R								

Client Sample ID: 20140812-SOURCE BLANK

Lab Sample ID: 180-35729-37

Date Collected: 08/12/14 15:55

Matrix: Water

Date Received: 08/13/14 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			940 mL	1.0 mL	115137	08/18/14 14:32	JPM	TAL PIT
Total/NA	Analysis	8081B_LL		1	940 mL	1.0 mL	115424	08/20/14 13:05	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3510C			940 mL	1.0 mL	115137	08/18/14 14:32	JPM	TAL PIT
Total/NA	Analysis	8082A		1	940 mL	1.0 mL	115456	08/20/14 20:11	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total Recoverable	Prep	3005A			50 mL	50 mL	115029	08/18/14 06:08	SLB	TAL PIT
Total Recoverable	Analysis	6010C		1	50 mL	50 mL	116002	08/25/14 17:34	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7470A			50 mL	50 mL	114731	08/14/14 11:41	LEM	TAL PIT
Total/NA	Analysis	7470A		1	50 mL	50 mL	114757	08/14/14 13:48	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Prep	9010C			50 mL	50 mL	115561	08/21/14 08:50	PGJ	TAL PIT
Total/NA	Analysis	9014		1	50 mL	50 mL	115631	08/21/14 10:54	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL CAN

Batch Type: Prep

SDE = Steve Earle

Batch Type: Analysis

DEB = Deborah Bolgrin

KMG = Katie Grant

Lab: TAL PIT

Batch Type: Cleanup

DFE = David Eppinger

Batch Type: Prep

BJT = Bill Trout

JPM = Jeremy Merriman

KLG = Kevin Geehring

LEM = Lauren McGrath

PGJ = Paul Johnson

PJJ = Patrick Journet

RJR = Ron Rosenbaum

SLB = Sandy Becker

Batch Type: Analysis

AJB = Amanda Brunick

AKG = Ashok Gupta

DFE = David Eppinger

DLF = Donald Ferguson

KLG = Kathy Gordon

LEM = Lauren McGrath

PGJ = Paul Johnson

PJJ = Patrick Journet

RJG = Rob Good

RJR = Ron Rosenbaum

VVP = Vincent Piccolino

Client Sample ID: SSHS-B95-0.17-2 (1.5)

Date Collected: 08/12/14 14:47
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-1

Matrix: Solid
Percent Solids: 88.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		16	4.1	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Benzene	ND		4.1	0.56	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Bromoform	ND		4.1	0.36	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Bromomethane	ND		4.1	0.61	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
2-Butanone (MEK)	ND		4.1	0.73	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Carbon disulfide	ND		4.1	0.42	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Carbon tetrachloride	ND		4.1	0.37	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Chlorobenzene	ND		4.1	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Chlorobromomethane	ND		4.1	0.57	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Chlorodibromomethane	ND		4.1	0.58	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Chloroethane	ND		4.1	1.3	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Chloroform	ND		4.1	0.48	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Chloromethane	ND		4.1	0.70	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
cis-1,2-Dichloroethene	ND		4.1	0.58	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
cis-1,3-Dichloropropene	ND		4.1	0.56	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Cyclohexane	ND		4.1	0.31	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
1,2-Dibromo-3-Chloropropane	ND		4.1	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
1,2-Dibromoethane	ND		4.1	0.71	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
1,2-Dichlorobenzene	ND		4.1	0.66	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
1,3-Dichlorobenzene	ND		4.1	0.54	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
1,4-Dichlorobenzene	ND		4.1	0.52	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Dichlorobromomethane	ND		4.1	0.46	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Dichlorodifluoromethane	ND		4.1	0.55	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
1,1-Dichloroethane	ND		4.1	0.47	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
1,2-Dichloroethane	ND		4.1	0.51	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
1,1-Dichloroethene	ND		4.1	0.70	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
1,2-Dichloropropane	ND		4.1	0.45	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
1,4-Dioxane	ND		820	230	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Ethylbenzene	ND		4.1	0.53	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
2-Hexanone	ND		4.1	0.57	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Isopropylbenzene	ND		4.1	0.56	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Methyl acetate	ND		4.1	0.74	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Methylcyclohexane	ND		4.1	0.60	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Methylene Chloride	ND		4.1	0.55	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
4-Methyl-2-pentanone (MIBK)	ND		4.1	0.54	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Methyl tert-butyl ether	ND		4.1	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
m-Xylene & p-Xylene	ND		8.2	1.2	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
o-Xylene	ND		4.1	0.64	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Styrene	ND		4.1	0.58	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
1,1,2,2-Tetrachloroethane	ND		4.1	0.59	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Tetrachloroethene	ND		4.1	0.56	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Toluene	ND		4.1	0.60	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
trans-1,2-Dichloroethene	ND	*	4.1	0.49	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
trans-1,3-Dichloropropene	ND		4.1	0.49	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
1,2,3-Trichlorobenzene	ND		4.1	0.70	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
1,2,4-Trichlorobenzene	ND		4.1	0.73	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
1,1,1-Trichloroethane	ND		4.1	0.40	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
1,1,2-Trichloroethane	ND		4.1	0.68	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Trichloroethene	**2.9**	**J**	4.1	0.54	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1

Client Sample ID: SSHS-B95-0.17-2 (1.5)

Lab Sample ID: 180-35729-1

Date Collected: 08/12/14 14:47

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.1	0.76	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.1	0.88	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1
Vinyl chloride	ND		4.1	0.39	ug/Kg	☼	08/14/14 03:59	08/14/14 11:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/14/14 03:59*	*08/14/14 11:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/14/14 03:59*	*08/14/14 11:49*	*1*
Dibromofluoromethane (Surr)	*111*		*68 - 121*	*08/14/14 03:59*	*08/14/14 11:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*52 - 124*	*08/14/14 03:59*	*08/14/14 11:49*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/14/14 03:59*	*08/14/14 11:49*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	7.2	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Acenaphthylene	ND		75	8.6	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Acetophenone	ND		370	31	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Anthracene	**12**	**J**	75	7.3	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Atrazine	ND		370	36	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Benzo[a]anthracene	**38**	**J**	75	9.4	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Benzo[a]pyrene	**36**	**J**	75	7.5	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Benzo[b]fluoranthene	**42**	**J**	75	12	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Benzo[g,h,i]perylene	**32**	**J**	75	7.4	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Benzo[k]fluoranthene	**21**	**J**	75	15	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Bis(2-ethylhexyl) phthalate	ND		750	60	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
4-Bromophenyl phenyl ether	ND		370	33	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Carbazole	ND		75	6.9	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
2-Chloronaphthalene	ND		75	7.8	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
4-Chlorophenyl phenyl ether	ND		370	42	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Chrysene	**46**	**J**	75	8.9	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Dibenz(a,h)anthracene	ND		75	8.3	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
3,3'-Dichlorobenzidine	ND		370	40	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
2,4-Dichlorophenol	ND		75	7.5	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1

Client Sample ID: SSHS-B95-0.17-2 (1.5)
Lab Sample ID: 180-35729-1
Date Collected: 08/12/14 14:47
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 88.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Fluoranthene	**74**	**J**	75	8.0	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Fluorene	ND		75	9.9	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Hexachlorobenzene	ND		75	8.0	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Hexachlorobutadiene	ND		75	8.4	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Indeno[1,2,3-cd]pyrene	**24**	**J**	75	7.7	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Isophorone	ND		370	28	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
2-Methylnaphthalene	**21**	**J**	75	6.7	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Naphthalene	**20**	**J**	75	6.4	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
N-Nitrosodi-n-propylamine	ND		75	8.8	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
2,2'-oxybis[1-chloropropane]	ND		75	8.1	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Phenanthrene	**57**	**J**	75	12	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Phenol	ND		75	8.8	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
Pyrene	**67**	**J**	75	7.6	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/19/14 02:45	08/19/14 13:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/19/14 02:45*	*08/19/14 13:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 105*	*08/19/14 02:45*	*08/19/14 13:55*	*1*
2-Fluorophenol (Surr)	*66*		*39 - 103*	*08/19/14 02:45*	*08/19/14 13:55*	*1*
Nitrobenzene-d5 (Surr)	*67*		*25 - 104*	*08/19/14 02:45*	*08/19/14 13:55*	*1*
Phenol-d5 (Surr)	*66*		*25 - 105*	*08/19/14 02:45*	*08/19/14 13:55*	*1*
Terphenyl-d14 (Surr)	*64*		*25 - 127*	*08/19/14 02:45*	*08/19/14 13:55*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*35 - 124*	*08/19/14 02:45*	*08/19/14 13:55*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
alpha-BHC	**0.32**	**J p**	1.9	0.31	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1

Client Sample ID: SSHS-B95-0.17-2 (1.5)
Lab Sample ID: 180-35729-1
Date Collected: 08/12/14 14:47
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 88.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.9	0.49	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
4,4'-DDD	**0.26**	**J p**	1.9	0.25	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
4,4'-DDT	**1.1**	**J p**	1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
delta-BHC	**0.58**	**J p**	1.9	0.29	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
Endosulfan I	**0.50**	**J**	1.9	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
Endosulfan sulfate	**0.44**	**J p**	1.9	0.20	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
Endrin	**2.7**	**p**	1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
Endrin aldehyde	ND		1.9	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
Endrin ketone	**0.42**	**J p**	1.9	0.29	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
gamma-Chlordane	**3.1**	**p**	1.9	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
Heptachlor epoxide	**1.4**	**J p**	1.9	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
Methoxychlor	**1.7**	**J p**	3.7	0.39	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1
Toxaphene	ND		76	13	ug/Kg	☼	08/20/14 06:05	08/20/14 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/20/14 06:05*	*08/20/14 18:00*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/20/14 06:05*	*08/20/14 18:00*	*1*
Tetrachloro-m-xylene	*93*		*45 - 130*	*08/20/14 06:05*	*08/20/14 18:00*	*1*
Tetrachloro-m-xylene	*85*		*45 - 130*	*08/20/14 06:05*	*08/20/14 18:00*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/20/14 06:05	08/22/14 01:40	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/20/14 06:05	08/22/14 01:40	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/20/14 06:05	08/22/14 01:40	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/20/14 06:05	08/22/14 01:40	1
PCB-1248	**180**		19	1.8	ug/Kg	☼	08/20/14 06:05	08/22/14 01:40	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/20/14 06:05	08/22/14 01:40	1
PCB-1260	**39**		19	2.7	ug/Kg	☼	08/20/14 06:05	08/22/14 01:40	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/20/14 06:05	08/22/14 01:40	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/20/14 06:05	08/22/14 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*97*		*45 - 125*	*08/20/14 06:05*	*08/22/14 01:40*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/20/14 06:05*	*08/22/14 02:11*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*45 - 135*	*08/20/14 06:05*	*08/22/14 01:40*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*45 - 135*	*08/20/14 06:05*	*08/22/14 02:11*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		23	2.4	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Antimony	ND		1.2	0.23	mg/Kg	☼	08/20/14 13:49	08/27/14 17:38	1
Arsenic	**11**		1.2	0.36	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Barium	**90**	**B**	23	0.015	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Beryllium	**0.51**		0.47	0.013	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1

Client Sample Results

Client Sample ID: SSHS-B95-0.17-2 (1.5)

Lab Sample ID: 180-35729-1

Date Collected: 08/12/14 14:47
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 88.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.13**	**J B**	0.58	0.017	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Calcium	**5400**	**B**	580	1.7	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Chromium	**13**		0.58	0.090	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Cobalt	**9.5**		5.8	0.049	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Copper	**26**		2.9	0.17	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Iron	**21000**		12	1.0	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Lead	**440**		1.2	0.12	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Magnesium	**3400**		580	2.4	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Manganese	**520**		1.7	0.10	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Nickel	**29**	**B**	4.7	0.055	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Potassium	**690**		580	7.4	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Selenium	**0.36**	**J**	1.2	0.31	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Silver	ND		0.58	0.047	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Sodium	**60**	**J B**	580	1.2	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Thallium	**0.23**	**J**	2.3	0.17	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Vanadium	**14**		5.8	0.20	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1
Zinc	**65**	**B**	2.3	0.12	mg/Kg	☼	08/20/14 13:49	08/26/14 08:03	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.021**	**J**	0.035	0.012	mg/Kg	☼	08/19/14 09:31	08/19/14 14:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			08/14/14 10:49	1
Percent Solids	**89**		0.10	0.10	%			08/14/14 10:49	1
Cyanide, Total	**0.33**	**J**	0.54	0.16	mg/Kg	☼	08/18/14 11:35	08/18/14 13:02	1

Client Sample ID: SSHS-B95-2-6 (4)

Lab Sample ID: 180-35729-2

Date Collected: 08/12/14 14:52
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 92.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.4	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Benzene	ND		4.4	0.59	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Bromoform	ND		4.4	0.39	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Bromomethane	ND		4.4	0.65	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
2-Butanone (MEK)	ND		4.4	0.78	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Carbon disulfide	ND		4.4	0.45	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Carbon tetrachloride	ND		4.4	0.39	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Chlorobenzene	ND		4.4	0.67	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Chlorobromomethane	ND		4.4	0.61	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Chlorodibromomethane	ND		4.4	0.63	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Chloroethane	ND		4.4	1.4	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Chloroform	ND		4.4	0.52	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Chloromethane	ND		4.4	0.75	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
cis-1,2-Dichloroethene	ND		4.4	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
cis-1,3-Dichloropropene	ND		4.4	0.60	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Cyclohexane	ND		4.4	0.33	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1

Client Sample ID: SSHS-B95-2-6 (4)
Date Collected: 08/12/14 14:52
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-2
Matrix: Solid
Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.4	0.66	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
1,2-Dibromoethane	ND		4.4	0.76	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
1,2-Dichlorobenzene	ND		4.4	0.70	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
1,3-Dichlorobenzene	ND		4.4	0.58	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
1,4-Dichlorobenzene	ND		4.4	0.56	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Dichlorobromomethane	ND		4.4	0.49	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Dichlorodifluoromethane	ND		4.4	0.59	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
1,1-Dichloroethane	ND		4.4	0.51	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
1,2-Dichloroethane	ND		4.4	0.54	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
1,1-Dichloroethene	ND		4.4	0.75	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
1,2-Dichloropropane	ND		4.4	0.48	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
1,4-Dioxane	ND		880	240	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Ethylbenzene	ND		4.4	0.57	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
2-Hexanone	ND		4.4	0.61	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Isopropylbenzene	ND		4.4	0.60	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Methyl acetate	ND		4.4	0.79	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Methylcyclohexane	ND		4.4	0.64	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Methylene Chloride	ND		4.4	0.59	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
4-Methyl-2-pentanone (MIBK)	ND		4.4	0.57	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Methyl tert-butyl ether	ND		4.4	0.66	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
m-Xylene & p-Xylene	ND		8.8	1.3	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
o-Xylene	ND		4.4	0.69	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Styrene	ND		4.4	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
1,1,2,2-Tetrachloroethane	ND		4.4	0.63	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Tetrachloroethene	ND		4.4	0.60	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Toluene	ND		4.4	0.64	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
trans-1,2-Dichloroethene	ND	*	4.4	0.53	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
trans-1,3-Dichloropropene	ND		4.4	0.53	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
1,2,3-Trichlorobenzene	ND		4.4	0.74	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
1,2,4-Trichlorobenzene	ND		4.4	0.78	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
1,1,1-Trichloroethane	ND		4.4	0.43	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
1,1,2-Trichloroethane	ND		4.4	0.73	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Trichloroethene	**15**		4.4	0.58	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Trichlorofluoromethane	ND		4.4	0.81	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.4	0.94	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1
Vinyl chloride	ND		4.4	0.41	ug/Kg	☼	08/14/14 03:59	08/14/14 12:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/14/14 03:59*	*08/14/14 12:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/14/14 03:59*	*08/14/14 12:12*	*1*
Dibromofluoromethane (Surr)	*103*		*68 - 121*	*08/14/14 03:59*	*08/14/14 12:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*52 - 124*	*08/14/14 03:59*	*08/14/14 12:12*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*08/14/14 03:59*	*08/14/14 12:12*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	6.9	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Acenaphthylene	ND		72	8.2	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35729-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B95-2-6 (4) **Lab Sample ID: 180-35729-2**
Date Collected: 08/12/14 14:52 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 92.8**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		360	30	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Anthracene	ND		72	7.0	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Atrazine	ND		360	35	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Benzaldehyde	ND		360	54	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Benzo[a]anthracene	ND		72	9.0	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Benzo[a]pyrene	ND		72	7.2	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Benzo[b]fluoranthene	ND		72	11	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Benzo[g,h,i]perylene	ND		72	7.2	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Benzo[k]fluoranthene	ND		72	15	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Bis(2-chloroethyl)ether	ND		72	9.7	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
4-Bromophenyl phenyl ether	ND		360	31	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Butyl benzyl phthalate	ND		360	49	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Carbazole	ND		72	6.6	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
2-Chloronaphthalene	ND		72	7.5	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
2-Chlorophenol	ND		360	29	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Chrysene	ND		72	8.6	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Dibenz(a,h)anthracene	ND		72	8.0	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Dibenzofuran	ND		360	35	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Diethyl phthalate	**81**	**J**	360	39	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
2,4-Dimethylphenol	ND		360	56	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Dimethyl phthalate	ND		360	39	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Di-n-butyl phthalate	ND		360	45	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
2,6-Dinitrotoluene	ND		360	37	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Fluoranthene	ND		72	7.7	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Fluorene	ND		72	9.5	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Hexachlorobenzene	ND		72	7.7	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Indeno[1,2,3-cd]pyrene	ND		72	7.4	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Isophorone	ND		360	27	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
2-Methylnaphthalene	ND		72	6.5	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Methylphenol, 3 & 4	ND		360	35	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Naphthalene	ND		72	6.2	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B95-2-6 (4)
Date Collected: 08/12/14 14:52
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-2
Matrix: Solid
Percent Solids: 92.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
4-Nitroaniline	ND		1800	150	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
N-Nitrosodiphenylamine	ND		360	33	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
2,2'-oxybis[1-chloropropane]	ND		72	7.8	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Pentachlorophenol	ND		360	32	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Phenanthrene	ND		72	11	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Phenol	ND		72	8.5	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
Pyrene	ND		72	7.3	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
1,2,4,5-Tetrachlorobenzene	ND		360	27	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
2,4,5-Trichlorophenol	ND		360	38	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/19/14 02:45	08/19/14 14:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/19/14 02:45*	*08/19/14 14:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*35 - 105*	*08/19/14 02:45*	*08/19/14 14:23*	*1*
2-Fluorophenol (Surr)	*62*		*39 - 103*	*08/19/14 02:45*	*08/19/14 14:23*	*1*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/19/14 02:45*	*08/19/14 14:23*	*1*
Phenol-d5 (Surr)	*68*		*25 - 105*	*08/19/14 02:45*	*08/19/14 14:23*	*1*
Terphenyl-d14 (Surr)	*66*		*25 - 127*	*08/19/14 02:45*	*08/19/14 14:23*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*35 - 124*	*08/19/14 02:45*	*08/19/14 14:23*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
alpha-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
beta-BHC	ND		1.8	0.47	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
4,4'-DDD	ND		1.8	0.24	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
delta-BHC	ND		1.8	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
Endrin	**0.38**	**J p**	1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
gamma-BHC (Lindane)	ND		1.8	0.32	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
gamma-Chlordane	**0.50**	**J p**	1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1

Client Sample Results

Client Sample ID: SSHS-B95-2-6 (4) Lab Sample ID: 180-35729-2

Date Collected: 08/12/14 14:52 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 92.8**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	ND		3.6	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1
Toxaphene	ND		72	12	ug/Kg	☼	08/20/14 06:05	08/20/14 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 130*	*08/20/14 06:05*	*08/20/14 18:16*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*	*08/20/14 06:05*	*08/20/14 18:16*	*1*
Tetrachloro-m-xylene	*92*		*45 - 130*	*08/20/14 06:05*	*08/20/14 18:16*	*1*
Tetrachloro-m-xylene	*89*		*45 - 130*	*08/20/14 06:05*	*08/20/14 18:16*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/20/14 06:05	08/22/14 02:11	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/20/14 06:05	08/22/14 02:11	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/20/14 06:05	08/22/14 02:11	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/20/14 06:05	08/22/14 02:11	1
PCB-1248	**37**		18	1.7	ug/Kg	☼	08/20/14 06:05	08/22/14 02:11	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/20/14 06:05	08/22/14 02:11	1
PCB-1260	**7.7**	**J**	18	2.6	ug/Kg	☼	08/20/14 06:05	08/22/14 02:11	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/20/14 06:05	08/22/14 02:11	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/20/14 06:05	08/22/14 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*	*08/20/14 06:05*	*08/22/14 02:11*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*45 - 135*	*08/20/14 06:05*	*08/22/14 02:11*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*45 - 135*	*08/20/14 06:05*	*08/22/14 02:42*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9200**		21	2.2	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Antimony	ND		1.0	0.21	mg/Kg	☼	08/20/14 13:49	08/27/14 17:43	1
Arsenic	**7.4**		1.0	0.32	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Barium	**52**	**B**	21	0.013	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Beryllium	**0.38**	**J**	0.42	0.012	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Cadmium	**0.041**	**J B**	0.52	0.015	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Calcium	**16000**	**B**	520	1.6	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Chromium	**11**		0.52	0.081	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Cobalt	**7.5**		5.2	0.044	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Copper	**17**		2.6	0.15	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Iron	**19000**		10	0.93	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Lead	**13**		1.0	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Magnesium	**4500**		520	2.2	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Manganese	**440**		1.6	0.093	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Nickel	**16**	**B**	4.2	0.050	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Potassium	**520**		520	6.7	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Selenium	**0.31**	**J**	1.0	0.28	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Sodium	**38**	**J B**	520	1.1	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Thallium	**0.16**	**J**	2.1	0.15	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Vanadium	**15**		5.2	0.18	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1
Zinc	**51**	**B**	2.1	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 08:08	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35729-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B95-2-6 (4) Lab Sample ID: 180-35729-2

Date Collected: 08/12/14 14:52 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 92.8**

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.016**	**J**	0.033	0.011	mg/Kg	☼	08/19/14 09:31	08/19/14 14:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.2**		0.10	0.10	%			08/14/14 10:49	1
Percent Solids	**93**		0.10	0.10	%			08/14/14 10:49	1
Cyanide, Total	**0.17**	**J**	0.54	0.16	mg/Kg	☼	08/18/14 11:35	08/18/14 13:02	1

Client Sample ID: SSHS-B95-6-10 (8) Lab Sample ID: 180-35729-3

Date Collected: 08/12/14 15:02 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 94.0**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.7	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Benzene	ND		4.7	0.64	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Bromoform	ND		4.7	0.42	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Bromomethane	ND		4.7	0.70	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
2-Butanone (MEK)	ND		4.7	0.83	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Carbon disulfide	ND		4.7	0.48	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Carbon tetrachloride	ND		4.7	0.42	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Chlorobenzene	ND		4.7	0.71	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Chlorobromomethane	ND		4.7	0.65	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Chlorodibromomethane	ND		4.7	0.67	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Chloroethane	ND		4.7	1.5	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Chloroform	ND		4.7	0.55	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Chloromethane	ND		4.7	0.80	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
cis-1,2-Dichloroethene	ND		4.7	0.66	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
cis-1,3-Dichloropropene	ND		4.7	0.64	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Cyclohexane	ND		4.7	0.35	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
1,2-Dibromo-3-Chloropropane	ND		4.7	0.71	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
1,2-Dibromoethane	ND		4.7	0.81	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
1,2-Dichlorobenzene	ND		4.7	0.75	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
1,3-Dichlorobenzene	ND		4.7	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
1,4-Dichlorobenzene	ND		4.7	0.60	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Dichlorobromomethane	ND		4.7	0.53	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Dichlorodifluoromethane	ND		4.7	0.63	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
1,1-Dichloroethane	ND		4.7	0.54	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
1,2-Dichloroethane	ND		4.7	0.58	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
1,1-Dichloroethene	ND		4.7	0.80	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
1,2-Dichloropropane	ND		4.7	0.51	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
1,4-Dioxane	ND		940	260	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Ethylbenzene	ND		4.7	0.61	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
2-Hexanone	ND		4.7	0.65	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Isopropylbenzene	ND		4.7	0.64	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Methyl acetate	ND		4.7	0.85	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Methylcyclohexane	ND		4.7	0.68	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Methylene Chloride	ND		4.7	0.63	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	0.61	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Methyl tert-butyl ether	ND		4.7	0.70	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1

Client Sample ID: SSHS-B95-6-10 (8)
Lab Sample ID: 180-35729-3
Date Collected: 08/12/14 15:02
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 94.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		9.4	1.4	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
o-Xylene	ND		4.7	0.73	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Styrene	ND		4.7	0.66	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.68	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Tetrachloroethene	ND		4.7	0.64	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Toluene	ND		4.7	0.69	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
trans-1,2-Dichloroethene	ND	*	4.7	0.56	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
trans-1,3-Dichloropropene	ND		4.7	0.56	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
1,2,3-Trichlorobenzene	ND		4.7	0.80	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
1,2,4-Trichlorobenzene	ND		4.7	0.83	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
1,1,1-Trichloroethane	ND		4.7	0.46	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
1,1,2-Trichloroethane	ND		4.7	0.78	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Trichloroethene	**1.1**	**J**	4.7	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Trichlorofluoromethane	ND		4.7	0.87	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.0	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1
Vinyl chloride	ND		4.7	0.44	ug/Kg	☼	08/14/14 03:59	08/14/14 07:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/14/14 03:59*	*08/14/14 07:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/14/14 03:59*	*08/14/14 07:19*	*1*
Dibromofluoromethane (Surr)	*103*		*68 - 121*	*08/14/14 03:59*	*08/14/14 07:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*52 - 124*	*08/14/14 03:59*	*08/14/14 07:19*	*1*
Toluene-d8 (Surr)	*99*		*72 - 127*	*08/14/14 03:59*	*08/14/14 07:19*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	6.8	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Acenaphthylene	ND		71	8.1	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Acetophenone	ND		350	29	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Anthracene	ND		71	6.9	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Atrazine	ND		350	35	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Benzo[a]anthracene	ND		71	8.9	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Benzo[a]pyrene	ND		71	7.1	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Benzo[b]fluoranthene	ND		71	11	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Benzo[g,h,i]perylene	ND		71	7.1	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Benzo[k]fluoranthene	ND		71	14	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Bis(2-chloroethyl)ether	ND		71	9.5	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Bis(2-ethylhexyl) phthalate	ND		710	57	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Butyl benzyl phthalate	ND		350	49	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Carbazole	ND		71	6.5	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
2-Chloronaphthalene	ND		71	7.4	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1

Client Sample ID: SSHS-B95-6-10 (8)
Date Collected: 08/12/14 15:02
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-3
Matrix: Solid
Percent Solids: 94.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Chrysene	ND		71	8.5	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Dibenz(a,h)anthracene	ND		71	7.9	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
3,3'-Dichlorobenzidine	ND		350	38	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
2,4-Dichlorophenol	ND		71	7.1	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
2,4-Dimethylphenol	ND		350	56	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
1,4-Dioxane	ND		710	41	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Fluoranthene	ND		71	7.6	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Fluorene	ND		71	9.4	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Hexachlorobenzene	ND		71	7.6	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Hexachlorobutadiene	ND		71	7.9	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Hexachloroethane	ND		350	26	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Indeno[1,2,3-cd]pyrene	ND		71	7.3	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Isophorone	ND		350	27	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
2-Methylnaphthalene	ND		71	6.4	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Naphthalene	ND		71	6.1	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Nitrobenzene	ND		710	30	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
N-Nitrosodi-n-propylamine	ND		71	8.3	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
2,2'-oxybis[1-chloropropane]	ND		71	7.7	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Phenanthrene	ND		71	11	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Phenol	ND		71	8.4	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
Pyrene	ND		71	7.2	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/19/14 02:45	08/19/14 14:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/19/14 02:45*	*08/19/14 14:52*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B95-6-10 (8)
Date Collected: 08/12/14 15:02
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-3
Matrix: Solid
Percent Solids: 94.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*35 - 105*	*08/19/14 02:45*	*08/19/14 14:52*	*1*
2-Fluorophenol (Surr)	*56*		*39 - 103*	*08/19/14 02:45*	*08/19/14 14:52*	*1*
Nitrobenzene-d5 (Surr)	*61*		*25 - 104*	*08/19/14 02:45*	*08/19/14 14:52*	*1*
Phenol-d5 (Surr)	*58*		*25 - 105*	*08/19/14 02:45*	*08/19/14 14:52*	*1*
Terphenyl-d14 (Surr)	*60*		*25 - 127*	*08/19/14 02:45*	*08/19/14 14:52*	*1*
2,4,6-Tribromophenol (Surr)	*48*		*35 - 124*	*08/19/14 02:45*	*08/19/14 14:52*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
Endrin	**0.48**	**J**	1.8	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1
Toxaphene	ND		71	12	ug/Kg	☼	08/20/14 06:05	08/20/14 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/20/14 06:05*	*08/20/14 18:32*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*08/20/14 06:05*	*08/20/14 18:32*	*1*
Tetrachloro-m-xylene	*90*		*45 - 130*	*08/20/14 06:05*	*08/20/14 18:32*	*1*
Tetrachloro-m-xylene	*88*		*45 - 130*	*08/20/14 06:05*	*08/20/14 18:32*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/20/14 06:05	08/22/14 02:42	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/20/14 06:05	08/22/14 02:42	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/20/14 06:05	08/22/14 02:42	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/20/14 06:05	08/22/14 02:42	1
PCB-1248	**28**		18	1.7	ug/Kg	☼	08/20/14 06:05	08/22/14 03:13	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/20/14 06:05	08/22/14 02:42	1
PCB-1260	**7.1**	**J**	18	2.5	ug/Kg	☼	08/20/14 06:05	08/22/14 02:42	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/20/14 06:05	08/22/14 02:42	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/20/14 06:05	08/22/14 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 125*	*08/20/14 06:05*	*08/22/14 02:42*	*1*

Client Sample Results

Client Sample ID: SSHS-B95-6-10 (8)

Lab Sample ID: 180-35729-3

Date Collected: 08/12/14 15:02
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 94.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*	*08/20/14 06:05*	*08/22/14 03:13*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*45 - 135*	*08/20/14 06:05*	*08/22/14 02:42*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*45 - 135*	*08/20/14 06:05*	*08/22/14 03:13*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8700**		22	2.2	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Antimony	ND		1.1	0.21	mg/Kg	☼	08/20/14 13:49	08/27/14 17:48	1
Arsenic	**9.1**		1.1	0.33	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Barium	**56**	**B**	22	0.014	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Beryllium	**0.39**	**J**	0.43	0.012	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Cadmium	**0.031**	**J B**	0.54	0.015	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Calcium	**3300**	**B**	540	1.6	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Chromium	**11**		0.54	0.083	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Cobalt	**7.7**		5.4	0.045	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Copper	**22**		2.7	0.15	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Iron	**21000**		11	0.95	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Lead	**12**		1.1	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Magnesium	**2900**		540	2.2	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Manganese	**450**		1.6	0.096	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Nickel	**18**	**B**	4.3	0.051	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Potassium	**680**		540	6.9	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Selenium	ND		1.1	0.29	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Silver	ND		0.54	0.043	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Sodium	**34**	**J B**	540	1.1	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Thallium	**0.31**	**J**	2.2	0.16	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Vanadium	**13**		5.4	0.19	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1
Zinc	**56**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 08:14	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.013**	**J**	0.033	0.011	mg/Kg	☼	08/19/14 09:31	08/19/14 14:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.0**		0.10	0.10	%			08/14/14 10:49	1
Percent Solids	**94**		0.10	0.10	%			08/14/14 10:49	1
Cyanide, Total	**0.28**	**J**	0.51	0.15	mg/Kg	☼	08/18/14 11:35	08/18/14 13:02	1

Client Sample ID: SSHS-B95-10-15 (11.5)

Lab Sample ID: 180-35729-4

Date Collected: 08/12/14 15:07
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 91.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.6	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Benzene	ND		4.6	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Bromoform	ND		4.6	0.41	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Bromomethane	ND		4.6	0.68	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
2-Butanone (MEK)	ND		4.6	0.81	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1

Client Sample ID: SSHS-B95-10-15 (11.5) **Lab Sample ID: 180-35729-4**
Date Collected: 08/12/14 15:07 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 91.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.6	0.47	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Carbon tetrachloride	ND		4.6	0.41	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Chlorobenzene	ND		4.6	0.70	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Chlorobromomethane	ND		4.6	0.63	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Chlorodibromomethane	ND		4.6	0.65	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Chloroethane	ND		4.6	1.4	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Chloroform	ND		4.6	0.54	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Chloromethane	ND		4.6	0.78	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
cis-1,2-Dichloroethene	ND		4.6	0.65	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
cis-1,3-Dichloropropene	ND		4.6	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Cyclohexane	ND		4.6	0.34	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
1,2-Dibromo-3-Chloropropane	ND		4.6	0.69	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
1,2-Dibromoethane	ND		4.6	0.80	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
1,2-Dichlorobenzene	ND		4.6	0.73	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
1,3-Dichlorobenzene	ND		4.6	0.60	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
1,4-Dichlorobenzene	ND		4.6	0.59	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Dichlorobromomethane	ND		4.6	0.52	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Dichlorodifluoromethane	ND		4.6	0.61	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
1,1-Dichloroethane	ND		4.6	0.53	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
1,2-Dichloroethane	ND		4.6	0.57	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
1,1-Dichloroethene	ND		4.6	0.78	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
1,2-Dichloropropane	ND		4.6	0.50	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
1,4-Dioxane	ND		920	250	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Ethylbenzene	ND		4.6	0.59	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
2-Hexanone	ND		4.6	0.64	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Isopropylbenzene	ND		4.6	0.63	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Methyl acetate	ND		4.6	0.83	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Methylcyclohexane	ND		4.6	0.67	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Methylene Chloride	ND		4.6	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.60	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Methyl tert-butyl ether	ND		4.6	0.69	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
m-Xylene & p-Xylene	ND		9.2	1.4	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
o-Xylene	ND		4.6	0.72	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Styrene	ND		4.6	0.65	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.66	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Tetrachloroethene	ND		4.6	0.63	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Toluene	ND		4.6	0.67	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
trans-1,2-Dichloroethene	ND	*	4.6	0.55	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
trans-1,3-Dichloropropene	ND		4.6	0.55	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
1,2,3-Trichlorobenzene	ND		4.6	0.78	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
1,2,4-Trichlorobenzene	ND		4.6	0.81	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
1,1,1-Trichloroethane	ND		4.6	0.45	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
1,1,2-Trichloroethane	ND		4.6	0.77	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Trichloroethene	**1.8**	**J**	4.6	0.61	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Trichlorofluoromethane	ND		4.6	0.85	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	0.98	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1
Vinyl chloride	ND		4.6	0.43	ug/Kg	☼	08/14/14 03:59	08/14/14 12:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/14/14 03:59*	*08/14/14 12:35*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B95-10-15 (11.5)
Date Collected: 08/12/14 15:07
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-4
Matrix: Solid
Percent Solids: 91.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*63 - 120*	*08/14/14 03:59*	*08/14/14 12:35*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/14/14 03:59*	*08/14/14 12:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*52 - 124*	*08/14/14 03:59*	*08/14/14 12:35*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*08/14/14 03:59*	*08/14/14 12:35*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Acenaphthylene	ND		73	8.3	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Acetophenone	ND		360	30	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Anthracene	ND		73	7.1	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Atrazine	ND		360	35	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Benzaldehyde	ND		360	54	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Benzo[a]anthracene	ND		73	9.1	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Benzo[a]pyrene	ND		73	7.3	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Benzo[b]fluoranthene	ND		73	11	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Benzo[g,h,i]perylene	ND		73	7.2	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Benzo[k]fluoranthene	ND		73	15	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Bis(2-chloroethyl)ether	ND		73	9.8	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Caprolactam	ND		1900	270	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Carbazole	ND		73	6.7	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Chrysene	ND		73	8.7	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Dibenz(a,h)anthracene	ND		73	8.1	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
2,4-Dinitrophenol	ND		1900	430	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
2,6-Dinitrotoluene	ND		360	37	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Fluoranthene	ND		73	7.8	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Fluorene	ND		73	9.6	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Hexachlorobenzene	ND		73	7.7	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Hexachlorobutadiene	ND		73	8.1	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1

Client Sample ID: SSHS-B95-10-15 (11.5)
Lab Sample ID: 180-35729-4
Date Collected: 08/12/14 15:07
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 91.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Indeno[1,2,3-cd]pyrene	ND		73	7.5	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Isophorone	ND		360	27	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
2-Methylnaphthalene	ND		73	6.5	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Naphthalene	ND		73	6.3	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
N-Nitrosodi-n-propylamine	ND		73	8.5	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
2,2'-oxybis[1-chloropropane]	ND		73	7.8	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Phenanthrene	ND		73	12	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Phenol	ND		73	8.6	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
Pyrene	ND		73	7.3	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/19/14 02:45	08/19/14 16:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*510*	*T J*	*ug/Kg*	☼	*11.94*		*08/19/14 02:45*	*08/19/14 16:16*	*1*
Unknown	*450*	*T J*	*ug/Kg*	☼	*12.74*		*08/19/14 02:45*	*08/19/14 16:16*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*13.32*		*08/19/14 02:45*	*08/19/14 16:16*	*1*
Unknown	*590*	*T J*	*ug/Kg*	☼	*13.37*		*08/19/14 02:45*	*08/19/14 16:16*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*13.92*		*08/19/14 02:45*	*08/19/14 16:16*	*1*
Unknown	*510*	*T J*	*ug/Kg*	☼	*14.35*		*08/19/14 02:45*	*08/19/14 16:16*	*1*
Unknown	*410*	*T J*	*ug/Kg*	☼	*16.20*		*08/19/14 02:45*	*08/19/14 16:16*	*1*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*20.79*		*08/19/14 02:45*	*08/19/14 16:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*35 - 105*	*08/19/14 02:45*	*08/19/14 16:16*	*1*
2-Fluorophenol (Surr)	*62*		*39 - 103*	*08/19/14 02:45*	*08/19/14 16:16*	*1*
Nitrobenzene-d5 (Surr)	*66*		*25 - 104*	*08/19/14 02:45*	*08/19/14 16:16*	*1*
Phenol-d5 (Surr)	*64*		*25 - 105*	*08/19/14 02:45*	*08/19/14 16:16*	*1*
Terphenyl-d14 (Surr)	*62*		*25 - 127*	*08/19/14 02:45*	*08/19/14 16:16*	*1*
2,4,6-Tribromophenol (Surr)	*49*		*35 - 124*	*08/19/14 02:45*	*08/19/14 16:16*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
beta-BHC	ND		1.9	0.47	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1

Client Sample ID: SSHS-B95-10-15 (11.5)
Date Collected: 08/12/14 15:07
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-4
Matrix: Solid
Percent Solids: 91.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
4,4'-DDT	ND		1.9	0.27	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
Dieldrin	ND		1.9	0.30	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
Endosulfan I	ND		1.9	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
Endrin	ND		1.9	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
Endrin ketone	ND		1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1
Toxaphene	ND		73	12	ug/Kg	☼	08/20/14 06:05	08/20/14 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*08/20/14 06:05*	*08/20/14 19:19*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*08/20/14 06:05*	*08/20/14 19:19*	*1*
Tetrachloro-m-xylene	*93*		*45 - 130*	*08/20/14 06:05*	*08/20/14 19:19*	*1*
Tetrachloro-m-xylene	*90*		*45 - 130*	*08/20/14 06:05*	*08/20/14 19:19*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/20/14 06:05	08/22/14 04:48	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/20/14 06:05	08/22/14 04:48	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/20/14 06:05	08/22/14 04:48	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/20/14 06:05	08/22/14 04:48	1
PCB-1248	**22**		18	1.7	ug/Kg	☼	08/20/14 06:05	08/22/14 04:48	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/20/14 06:05	08/22/14 04:48	1
PCB-1260	**4.7**	**J p**	18	2.6	ug/Kg	☼	08/20/14 06:05	08/22/14 04:48	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/20/14 06:05	08/22/14 04:48	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/20/14 06:05	08/22/14 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 125*	*08/20/14 06:05*	*08/22/14 04:16*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/20/14 06:05*	*08/22/14 04:48*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*45 - 135*	*08/20/14 06:05*	*08/22/14 04:16*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*45 - 135*	*08/20/14 06:05*	*08/22/14 04:48*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7700**		22	2.3	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 13:49	08/27/14 18:14	1
Arsenic	**8.2**		1.1	0.34	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Barium	**58**	**B**	22	0.014	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Beryllium	**0.34**	**J**	0.44	0.012	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Cadmium	**0.18**	**J B**	0.55	0.016	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1

Client Sample ID: SSHS-B95-10-15 (11.5)

Lab Sample ID: 180-35729-4

Date Collected: 08/12/14 15:07
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 91.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**8100**	**B**	550	1.7	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Chromium	**11**		0.55	0.086	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Cobalt	**7.0**		5.5	0.046	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Copper	**23**		2.8	0.16	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Iron	**19000**		11	0.98	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Lead	**12**		1.1	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Magnesium	**2800**		550	2.3	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Manganese	**700**		1.7	0.098	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Nickel	**18**	**B**	4.4	0.053	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Potassium	**670**		550	7.1	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Selenium	**0.30**	**J**	1.1	0.30	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Silver	ND		0.55	0.045	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Sodium	**55**	**J B**	550	1.2	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Thallium	**0.34**	**J**	2.2	0.16	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Vanadium	**12**		5.5	0.19	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1
Zinc	**110**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 08:39	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.011	mg/Kg	☼	08/19/14 09:31	08/19/14 15:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		0.10	0.10	%			08/14/14 10:49	1
Percent Solids	**91**		0.10	0.10	%			08/14/14 10:49	1
Cyanide, Total	**0.36**	**J**	0.55	0.16	mg/Kg	☼	08/18/14 11:35	08/18/14 13:09	1

Client Sample ID: SSHS-B92-SS

Lab Sample ID: 180-35729-5

Date Collected: 08/12/14 10:15
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 67.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	6.3	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Benzene	ND		6.3	0.85	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Bromoform	ND		6.3	0.55	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Bromomethane	ND		6.3	0.93	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
2-Butanone (MEK)	ND		6.3	1.1	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Carbon disulfide	ND		6.3	0.64	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Carbon tetrachloride	ND		6.3	0.56	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Chlorobenzene	ND		6.3	0.95	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Chlorobromomethane	ND		6.3	0.86	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Chlorodibromomethane	ND		6.3	0.89	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Chloroethane	ND		6.3	1.9	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Chloroform	ND		6.3	0.73	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Chloromethane	ND		6.3	1.1	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
cis-1,2-Dichloroethene	ND		6.3	0.88	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
cis-1,3-Dichloropropene	ND		6.3	0.85	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Cyclohexane	ND		6.3	0.46	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
1,2-Dibromo-3-Chloropropane	ND		6.3	0.94	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1

Client Sample ID: SSHS-B92-SS
Lab Sample ID: 180-35729-5
Date Collected: 08/12/14 10:15
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 67.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		6.3	1.1	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
1,2-Dichlorobenzene	ND		6.3	1.0	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
1,3-Dichlorobenzene	ND		6.3	0.82	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
1,4-Dichlorobenzene	ND		6.3	0.80	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Dichlorobromomethane	ND		6.3	0.70	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Dichlorodifluoromethane	ND		6.3	0.83	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
1,1-Dichloroethane	ND		6.3	0.72	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
1,2-Dichloroethane	ND		6.3	0.77	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
1,1-Dichloroethene	ND		6.3	1.1	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
1,2-Dichloropropane	ND		6.3	0.68	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
1,4-Dioxane	ND		1300	350	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Ethylbenzene	ND		6.3	0.80	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
2-Hexanone	ND		6.3	0.86	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Isopropylbenzene	ND		6.3	0.85	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Methyl acetate	ND		6.3	1.1	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Methylcyclohexane	ND		6.3	0.91	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Methylene Chloride	ND		6.3	0.84	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
4-Methyl-2-pentanone (MIBK)	ND		6.3	0.82	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Methyl tert-butyl ether	ND		6.3	0.94	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
m-Xylene & p-Xylene	ND		13	1.8	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
o-Xylene	ND		6.3	0.98	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Styrene	ND		6.3	0.88	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
1,1,2,2-Tetrachloroethane	ND		6.3	0.90	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Tetrachloroethene	ND		6.3	0.85	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Toluene	ND		6.3	0.91	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
trans-1,2-Dichloroethene	ND	*	6.3	0.75	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
trans-1,3-Dichloropropene	ND		6.3	0.75	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
1,2,3-Trichlorobenzene	ND		6.3	1.1	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
1,2,4-Trichlorobenzene	ND		6.3	1.1	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
1,1,1-Trichloroethane	ND		6.3	0.61	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
1,1,2-Trichloroethane	ND		6.3	1.0	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Trichloroethene	**1.3**	**J**	6.3	0.82	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Trichlorofluoromethane	ND		6.3	1.2	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.3	1.3	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1
Vinyl chloride	ND		6.3	0.59	ug/Kg	☼	08/14/14 03:59	08/14/14 12:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/14/14 03:59*	*08/14/14 12:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*	*08/14/14 03:59*	*08/14/14 12:57*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*08/14/14 03:59*	*08/14/14 12:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*52 - 124*	*08/14/14 03:59*	*08/14/14 12:57*	*1*
Toluene-d8 (Surr)	*101*		*72 - 127*	*08/14/14 03:59*	*08/14/14 12:57*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		99	9.5	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Acenaphthylene	ND		99	11	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Acetophenone	ND		490	40	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B92-SS
Date Collected: 08/12/14 10:15
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-5
Matrix: Solid
Percent Solids: 67.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**48**	**J**	99	9.6	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Atrazine	ND		490	48	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Benzaldehyde	ND		490	74	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Benzo[a]anthracene	**420**		99	12	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Benzo[a]pyrene	**480**		99	9.8	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Benzo[b]fluoranthene	**730**		99	15	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Benzo[g,h,i]perylene	**420**		99	9.8	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Benzo[k]fluoranthene	**210**		99	20	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
1,1'-Biphenyl	ND		490	44	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Bis(2-chloroethoxy)methane	ND		490	32	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Bis(2-chloroethyl)ether	ND		99	13	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Bis(2-ethylhexyl) phthalate	**410**	**J**	990	80	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
4-Bromophenyl phenyl ether	ND		490	43	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Butyl benzyl phthalate	**67**	**J**	490	67	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Caprolactam	ND		2500	370	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Carbazole	**38**	**J**	99	9.1	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
4-Chloroaniline	ND		490	39	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
4-Chloro-3-methylphenol	ND		490	45	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
2-Chloronaphthalene	ND		99	10	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
2-Chlorophenol	ND		490	40	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
4-Chlorophenyl phenyl ether	ND		490	55	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Chrysene	**510**		99	12	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Dibenz(a,h)anthracene	**100**		99	11	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Dibenzofuran	ND		490	48	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
3,3'-Dichlorobenzidine	ND		490	52	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
2,4-Dichlorophenol	ND		99	9.9	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Diethyl phthalate	ND		490	54	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
2,4-Dimethylphenol	ND		490	77	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Dimethyl phthalate	ND		490	54	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Di-n-butyl phthalate	ND		490	62	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
4,6-Dinitro-2-methylphenol	ND		2500	200	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
2,4-Dinitrophenol	ND		2500	590	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
2,4-Dinitrotoluene	ND		490	40	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
2,6-Dinitrotoluene	ND		490	51	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Di-n-octyl phthalate	ND		490	52	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
1,4-Dioxane	ND		990	56	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Fluoranthene	**930**		99	11	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Fluorene	ND		99	13	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Hexachlorobenzene	ND		99	10	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Hexachlorobutadiene	ND		99	11	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Hexachlorocyclopentadiene	ND		490	53	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Hexachloroethane	ND		490	35	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Indeno[1,2,3-cd]pyrene	**360**		99	10	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Isophorone	ND		490	37	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
2-Methylnaphthalene	ND		99	8.9	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
2-Methylphenol	ND		490	34	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Methylphenol, 3 & 4	ND		490	48	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Naphthalene	ND		99	8.5	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
2-Nitroaniline	ND		2500	220	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1

Client Sample ID: SSHS-B92-SS
Lab Sample ID: 180-35729-5
Date Collected: 08/12/14 10:15
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 67.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		2500	200	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
4-Nitroaniline	ND		2500	200	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Nitrobenzene	ND		990	41	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
2-Nitrophenol	ND		490	54	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
4-Nitrophenol	ND		2500	180	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
N-Nitrosodi-n-propylamine	ND		99	12	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
N-Nitrosodiphenylamine	ND		490	46	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
2,2'-oxybis[1-chloropropane]	ND		99	11	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Pentachlorophenol	ND		490	44	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Phenanthrene	**230**		99	16	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Phenol	ND		99	12	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
Pyrene	**690**		99	10	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
1,2,4,5-Tetrachlorobenzene	ND		490	37	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
2,3,4,6-Tetrachlorophenol	ND		490	32	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
2,4,5-Trichlorophenol	ND		490	53	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1
2,4,6-Trichlorophenol	ND		490	74	ug/Kg	☼	08/19/14 02:45	08/19/14 16:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*280*	*T J*	*ug/Kg*	☼	*12.75*		*08/19/14 02:45*	*08/19/14 16:44*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*13.85*		*08/19/14 02:45*	*08/19/14 16:44*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*13.92*		*08/19/14 02:45*	*08/19/14 16:44*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*14.83*		*08/19/14 02:45*	*08/19/14 16:44*	*1*
Unknown Straight Chain Alkane	*290*	*T J*	*ug/Kg*	☼	*15.24*		*08/19/14 02:45*	*08/19/14 16:44*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*16.09*		*08/19/14 02:45*	*08/19/14 16:44*	*1*
Unknown	*3100*	*T J*	*ug/Kg*	☼	*16.24*		*08/19/14 02:45*	*08/19/14 16:44*	*1*
Unknown	*3300*	*T J*	*ug/Kg*	☼	*16.68*		*08/19/14 02:45*	*08/19/14 16:44*	*1*
Unknown	*310*	*T J*	*ug/Kg*	☼	*16.87*		*08/19/14 02:45*	*08/19/14 16:44*	*1*
Unknown PAH	*500*	*T J*	*ug/Kg*	☼	*16.98*		*08/19/14 02:45*	*08/19/14 16:44*	*1*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*17.70*		*08/19/14 02:45*	*08/19/14 16:44*	*1*
Unknown	*1400*	*T J*	*ug/Kg*	☼	*18.08*		*08/19/14 02:45*	*08/19/14 16:44*	*1*
Unknown	*370*	*T J*	*ug/Kg*	☼	*18.65*		*08/19/14 02:45*	*08/19/14 16:44*	*1*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*19.22*		*08/19/14 02:45*	*08/19/14 16:44*	*1*
Unknown	*930*	*T J*	*ug/Kg*	☼	*19.63*		*08/19/14 02:45*	*08/19/14 16:44*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*19.73*		*08/19/14 02:45*	*08/19/14 16:44*	*1*
Unknown	*390*	*T J*	*ug/Kg*	☼	*20.29*		*08/19/14 02:45*	*08/19/14 16:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*35 - 105*	*08/19/14 02:45*	*08/19/14 16:44*	*1*
2-Fluorophenol (Surr)	*59*		*39 - 103*	*08/19/14 02:45*	*08/19/14 16:44*	*1*
Nitrobenzene-d5 (Surr)	*62*		*25 - 104*	*08/19/14 02:45*	*08/19/14 16:44*	*1*
Phenol-d5 (Surr)	*63*		*25 - 105*	*08/19/14 02:45*	*08/19/14 16:44*	*1*
Terphenyl-d14 (Surr)	*63*		*25 - 127*	*08/19/14 02:45*	*08/19/14 16:44*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*35 - 124*	*08/19/14 02:45*	*08/19/14 16:44*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.5	0.44	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
alpha-BHC	ND		2.5	0.40	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
alpha-Chlordane	ND		2.5	0.48	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
beta-BHC	ND		2.5	0.63	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1

Client Sample ID: SSHS-B92-SS

Date Collected: 08/12/14 10:15
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-5
Matrix: Solid
Percent Solids: 67.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.5	0.32	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
4,4'-DDE	ND		2.5	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
4,4'-DDT	**0.88**	**J p**	2.5	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
delta-BHC	ND		2.5	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
Dieldrin	**0.44**	**J p**	2.5	0.41	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
Endosulfan I	ND		2.5	0.46	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
Endosulfan II	ND		2.5	0.43	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
Endosulfan sulfate	**0.28**	**J p**	2.5	0.25	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
Endrin	**1.3**	**J p**	2.5	0.47	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
Endrin aldehyde	**0.80**	**J p**	2.5	0.47	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
Endrin ketone	ND		2.5	0.38	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
gamma-BHC (Lindane)	ND		2.5	0.43	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
gamma-Chlordane	**1.6**	**J**	2.5	0.48	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
Heptachlor	ND		2.5	0.54	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
Heptachlor epoxide	**0.50**	**J p**	2.5	0.48	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
Methoxychlor	ND		4.8	0.51	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1
Toxaphene	ND		98	16	ug/Kg	☼	08/20/14 06:05	08/20/14 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*08/20/14 06:05*	*08/20/14 19:34*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/20/14 06:05*	*08/20/14 19:34*	*1*
Tetrachloro-m-xylene	*92*		*45 - 130*	*08/20/14 06:05*	*08/20/14 19:34*	*1*
Tetrachloro-m-xylene	*87*		*45 - 130*	*08/20/14 06:05*	*08/20/14 19:34*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		24	3.6	ug/Kg	☼	08/20/14 06:05	08/22/14 04:48	1
PCB-1221	ND		24	4.7	ug/Kg	☼	08/20/14 06:05	08/22/14 04:48	1
PCB-1232	ND		24	4.2	ug/Kg	☼	08/20/14 06:05	08/22/14 04:48	1
PCB-1242	ND		24	4.0	ug/Kg	☼	08/20/14 06:05	08/22/14 04:48	1
PCB-1248	**69**		24	2.3	ug/Kg	☼	08/20/14 06:05	08/22/14 04:48	1
PCB-1254	ND		24	3.5	ug/Kg	☼	08/20/14 06:05	08/22/14 04:48	1
PCB-1260	**22**	**J**	24	3.5	ug/Kg	☼	08/20/14 06:05	08/22/14 04:48	1
PCB-1262	ND		24	5.4	ug/Kg	☼	08/20/14 06:05	08/22/14 04:48	1
PCB-1268	ND		24	3.1	ug/Kg	☼	08/20/14 06:05	08/22/14 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*96*		*45 - 125*	*08/20/14 06:05*	*08/22/14 04:48*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/20/14 06:05*	*08/22/14 05:19*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*45 - 135*	*08/20/14 06:05*	*08/22/14 04:48*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*45 - 135*	*08/20/14 06:05*	*08/22/14 05:19*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9000**		28	3.0	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Antimony	ND		1.4	0.28	mg/Kg	☼	08/20/14 13:49	08/27/14 18:30	1
Arsenic	**7.2**		1.4	0.43	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Barium	**80**	**B**	28	0.018	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Beryllium	**0.46**	**J**	0.57	0.016	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Cadmium	**0.16**	**J B**	0.71	0.020	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1

Client Sample ID: SSHS-B92-SS

Lab Sample ID: 180-35729-5
Date Collected: 08/12/14 10:15
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 67.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	2200	B	710	2.1	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Chromium	14		0.71	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Cobalt	7.5		7.1	0.059	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Copper	16		3.5	0.20	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Iron	19000		14	1.3	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Lead	18		1.4	0.14	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Magnesium	2500		710	2.9	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Manganese	420		2.1	0.13	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Nickel	18	B	5.7	0.067	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Potassium	770		710	9.1	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Selenium	0.45	J	1.4	0.38	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Silver	ND		0.71	0.057	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Sodium	75	J B	710	1.5	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Thallium	ND		2.8	0.21	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Vanadium	11		7.1	0.25	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1
Zinc	62	B	2.8	0.15	mg/Kg	☼	08/20/14 13:49	08/26/14 08:54	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038	J	0.045	0.015	mg/Kg	☼	08/19/14 09:31	08/19/14 15:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	32		0.10	0.10	%			08/14/14 10:49	1
Percent Solids	68		0.10	0.10	%			08/14/14 10:49	1
Cyanide, Total	0.29	J	0.73	0.21	mg/Kg	☼	08/18/14 11:35	08/18/14 13:09	1

Client Sample ID: SSHS-B92-0.17-2 (1)

Lab Sample ID: 180-35729-6
Date Collected: 08/12/14 10:18
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 90.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.6	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Benzene	ND		4.6	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Bromoform	ND		4.6	0.41	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Bromomethane	ND		4.6	0.68	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
2-Butanone (MEK)	ND		4.6	0.81	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Carbon disulfide	ND		4.6	0.47	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Carbon tetrachloride	ND		4.6	0.41	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Chlorobenzene	ND		4.6	0.70	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Chlorobromomethane	ND		4.6	0.63	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Chlorodibromomethane	ND		4.6	0.65	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Chloroethane	ND		4.6	1.4	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Chloroform	ND		4.6	0.54	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Chloromethane	ND		4.6	0.78	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
cis-1,2-Dichloroethene	ND		4.6	0.65	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
cis-1,3-Dichloropropene	ND		4.6	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Cyclohexane	ND		4.6	0.34	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
1,2-Dibromo-3-Chloropropane	ND		4.6	0.69	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1

Client Sample Results

Client Sample ID: SSHS-B92-0.17-2 (1)

Lab Sample ID: 180-35729-6

Date Collected: 08/12/14 10:18
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		4.6	0.79	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
1,2-Dichlorobenzene	ND		4.6	0.73	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
1,3-Dichlorobenzene	ND		4.6	0.60	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
1,4-Dichlorobenzene	ND		4.6	0.58	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Dichlorobromomethane	ND		4.6	0.52	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Dichlorodifluoromethane	ND		4.6	0.61	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
1,1-Dichloroethane	ND		4.6	0.53	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
1,2-Dichloroethane	ND		4.6	0.56	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
1,1-Dichloroethene	ND		4.6	0.78	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
1,2-Dichloropropane	ND		4.6	0.50	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
1,4-Dioxane	ND		920	250	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Ethylbenzene	ND		4.6	0.59	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
2-Hexanone	ND		4.6	0.63	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Isopropylbenzene	ND		4.6	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Methyl acetate	ND		4.6	0.83	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Methylcyclohexane	ND		4.6	0.67	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Methylene Chloride	ND		4.6	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.60	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Methyl tert-butyl ether	ND		4.6	0.69	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
m-Xylene & p-Xylene	ND		9.2	1.3	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
o-Xylene	ND		4.6	0.72	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Styrene	ND		4.6	0.65	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.66	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Tetrachloroethene	ND		4.6	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Toluene	ND		4.6	0.67	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
trans-1,2-Dichloroethene	ND	*	4.6	0.55	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
trans-1,3-Dichloropropene	ND		4.6	0.55	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
1,2,3-Trichlorobenzene	ND		4.6	0.78	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
1,2,4-Trichlorobenzene	ND		4.6	0.81	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
1,1,1-Trichloroethane	ND		4.6	0.45	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
1,1,2-Trichloroethane	ND		4.6	0.76	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Trichloroethene	**61**		4.6	0.60	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Trichlorofluoromethane	ND		4.6	0.84	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	0.98	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1
Vinyl chloride	ND		4.6	0.43	ug/Kg	☼	08/14/14 03:59	08/14/14 13:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/14/14 03:59*	*08/14/14 13:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/14/14 03:59*	*08/14/14 13:20*	*1*
Dibromofluoromethane (Surr)	*107*		*68 - 121*	*08/14/14 03:59*	*08/14/14 13:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*52 - 124*	*08/14/14 03:59*	*08/14/14 13:20*	*1*
Toluene-d8 (Surr)	*105*		*72 - 127*	*08/14/14 03:59*	*08/14/14 13:20*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**37**	**J**	74	7.1	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Acenaphthylene	**29**	**J**	74	8.4	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Acetophenone	ND		360	30	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35729-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B92-0.17-2 (1)
Lab Sample ID: 180-35729-6
Date Collected: 08/12/14 10:18
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 90.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**120**		74	7.2	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Atrazine	ND		360	36	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Benzo[a]anthracene	**570**		74	9.2	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Benzo[a]pyrene	**460**		74	7.4	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Benzo[b]fluoranthene	**650**		74	12	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Benzo[g,h,i]perylene	**290**		74	7.3	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Benzo[k]fluoranthene	**210**		74	15	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Bis(2-ethylhexyl) phthalate	ND		740	59	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Carbazole	**44**	**J**	74	6.8	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Chrysene	**530**		74	8.7	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Dibenz(a,h)anthracene	**69**	**J**	74	8.2	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Fluoranthene	**980**		74	7.9	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Fluorene	**38**	**J**	74	9.7	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Hexachlorobenzene	ND		74	7.8	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Hexachlorobutadiene	ND		74	8.2	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Hexachlorocyclopentadiene	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Indeno[1,2,3-cd]pyrene	**240**		74	7.6	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Isophorone	ND		360	28	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
2-Methylnaphthalene	**45**	**J**	74	6.6	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Naphthalene	**31**	**J**	74	6.3	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1

Client Sample ID: SSHS-B92-0.17-2 (1)
Lab Sample ID: 180-35729-6
Date Collected: 08/12/14 10:18
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 90.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
N-Nitrosodi-n-propylamine	ND		74	8.6	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
2,2'-oxybis[1-chloropropane]	ND		74	7.9	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Phenanthrene	**590**		74	12	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Phenol	ND		74	8.7	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
Pyrene	**980**		74	7.4	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
2,3,4,6-Tetrachlorophenol	ND		360	24	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/19/14 02:45	08/20/14 12:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*350*	*T J*	*ug/Kg*	☼	*1.49*		*08/19/14 02:45*	*08/20/14 12:25*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*10.03*		*08/19/14 02:45*	*08/20/14 12:25*	*1*
Unknown PAH	*200*	*T J*	*ug/Kg*	☼	*11.13*		*08/19/14 02:45*	*08/20/14 12:25*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*11.16*		*08/19/14 02:45*	*08/20/14 12:25*	*1*
Unknown	*380*	*T J*	*ug/Kg*	☼	*11.28*		*08/19/14 02:45*	*08/20/14 12:25*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*12.35*		*08/19/14 02:45*	*08/20/14 12:25*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*12.75*		*08/19/14 02:45*	*08/20/14 12:25*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*13.17*		*08/19/14 02:45*	*08/20/14 12:25*	*1*
Unknown	*450*	*T J*	*ug/Kg*	☼	*16.99*		*08/19/14 02:45*	*08/20/14 12:25*	*1*
Unknown	*1300*	*T J*	*ug/Kg*	☼	*20.83*		*08/19/14 02:45*	*08/20/14 12:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*35 - 105*	*08/19/14 02:45*	*08/20/14 12:25*	*1*
2-Fluorophenol (Surr)	*52*		*39 - 103*	*08/19/14 02:45*	*08/20/14 12:25*	*1*
Nitrobenzene-d5 (Surr)	*63*		*25 - 104*	*08/19/14 02:45*	*08/20/14 12:25*	*1*
Phenol-d5 (Surr)	*75*		*25 - 105*	*08/19/14 02:45*	*08/20/14 12:25*	*1*
Terphenyl-d14 (Surr)	*107*		*25 - 127*	*08/19/14 02:45*	*08/20/14 12:25*	*1*
2,4,6-Tribromophenol (Surr)	*99*		*35 - 124*	*08/19/14 02:45*	*08/20/14 12:25*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
beta-BHC	ND		1.9	0.47	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
4,4'-DDD	**0.67**	**J p**	1.9	0.24	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
4,4'-DDT	**1.4**	**J p**	1.9	0.27	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
delta-BHC	**1.2**	**J**	1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
Dieldrin	**0.75**	**J p**	1.9	0.30	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
Endosulfan I	**0.67**	**J**	1.9	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1

Client Sample ID: SSHS-B92-0.17-2 (1)

Lab Sample ID: 180-35729-6

Date Collected: 08/12/14 10:18

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 90.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	**0.40**	**J p**	1.9	0.19	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
Endrin	**4.9**		1.9	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
Endrin aldehyde	ND		1.9	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
Endrin ketone	**0.40**	**J p**	1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
gamma-Chlordane	**3.9**	**p**	1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
Heptachlor	**1.2**	**J p**	1.9	0.41	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
Heptachlor epoxide	**2.0**	**p**	1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1
Toxaphene	ND		73	12	ug/Kg	☼	08/20/14 06:05	08/20/14 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/20/14 06:05*	*08/20/14 19:50*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/20/14 06:05*	*08/20/14 19:50*	*1*
Tetrachloro-m-xylene	*94*		*45 - 130*	*08/20/14 06:05*	*08/20/14 19:50*	*1*
Tetrachloro-m-xylene	*91*		*45 - 130*	*08/20/14 06:05*	*08/20/14 19:50*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/20/14 06:05	08/22/14 05:19	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/20/14 06:05	08/22/14 05:19	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/20/14 06:05	08/22/14 05:19	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/20/14 06:05	08/22/14 05:19	1
PCB-1248	**320**		18	1.7	ug/Kg	☼	08/20/14 06:05	08/22/14 05:19	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/20/14 06:05	08/22/14 05:19	1
PCB-1260	**71**		18	2.6	ug/Kg	☼	08/20/14 06:05	08/22/14 05:50	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/20/14 06:05	08/22/14 05:19	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/20/14 06:05	08/22/14 05:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*45 - 125*	*08/20/14 06:05*	*08/22/14 05:19*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*	*08/20/14 06:05*	*08/22/14 05:50*	*1*
Tetrachloro-m-xylene (Surr)	*106*		*45 - 135*	*08/20/14 06:05*	*08/22/14 05:19*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*45 - 135*	*08/20/14 06:05*	*08/22/14 05:50*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		22	2.3	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 13:49	08/27/14 18:35	1
Arsenic	**9.4**		1.1	0.34	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Barium	**89**	**B**	22	0.014	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Beryllium	**0.49**		0.45	0.013	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Cadmium	**0.16**	**J B**	0.56	0.016	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Calcium	**7500**	**B**	560	1.7	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Chromium	**15**		0.56	0.087	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Cobalt	**8.6**		5.6	0.047	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Copper	**42**		2.8	0.16	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Iron	**22000**		11	1.0	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Lead	**54**		1.1	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Magnesium	**3600**		560	2.3	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1

Client Sample ID: SSHS-B92-0.17-2 (1)

Lab Sample ID: 180-35729-6
Date Collected: 08/12/14 10:18
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 90.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**470**		1.7	0.10	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Nickel	**61**	**B**	4.5	0.053	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Potassium	**680**		560	7.2	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Selenium	ND		1.1	0.30	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Silver	ND		0.56	0.045	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Sodium	**120**	**J B**	560	1.2	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Thallium	**0.24**	**J**	2.2	0.16	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Vanadium	**14**		5.6	0.20	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1
Zinc	**86**	**B**	2.2	0.12	mg/Kg	☼	08/20/14 13:49	08/26/14 09:00	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.033**	**J**	0.034	0.011	mg/Kg	☼	08/19/14 09:31	08/19/14 15:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.2**		0.10	0.10	%			08/14/14 10:49	1
Percent Solids	**91**		0.10	0.10	%			08/14/14 10:49	1
Cyanide, Total	**0.45**	**J**	0.53	0.16	mg/Kg	☼	08/18/14 11:35	08/18/14 13:09	1

Client Sample ID: SSHS-B92-2-6 (4)

Lab Sample ID: 180-35729-7
Date Collected: 08/12/14 10:21
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 89.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.6	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Benzene	ND		4.6	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Bromoform	ND		4.6	0.41	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Bromomethane	ND		4.6	0.68	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
2-Butanone (MEK)	ND		4.6	0.81	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Carbon disulfide	ND		4.6	0.47	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Carbon tetrachloride	ND		4.6	0.41	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Chlorobenzene	ND		4.6	0.70	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Chlorobromomethane	ND		4.6	0.63	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Chlorodibromomethane	ND		4.6	0.65	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Chloroethane	ND		4.6	1.4	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Chloroform	ND		4.6	0.54	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Chloromethane	ND		4.6	0.78	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
cis-1,2-Dichloroethene	**8.2**		4.6	0.65	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
cis-1,3-Dichloropropene	ND		4.6	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Cyclohexane	ND		4.6	0.34	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
1,2-Dibromo-3-Chloropropane	ND		4.6	0.69	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
1,2-Dibromoethane	ND		4.6	0.79	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
1,2-Dichlorobenzene	ND		4.6	0.73	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
1,3-Dichlorobenzene	ND		4.6	0.60	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
1,4-Dichlorobenzene	ND		4.6	0.58	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Dichlorobromomethane	ND		4.6	0.52	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Dichlorodifluoromethane	ND		4.6	0.61	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
1,1-Dichloroethane	ND		4.6	0.53	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1

Client Sample ID: SSHS-B92-2-6 (4)
Date Collected: 08/12/14 10:21
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-7
Matrix: Solid
Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		4.6	0.56	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
1,1-Dichloroethene	ND		4.6	0.78	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
1,2-Dichloropropane	ND		4.6	0.50	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
1,4-Dioxane	ND		920	250	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Ethylbenzene	ND		4.6	0.59	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
2-Hexanone	ND		4.6	0.63	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Isopropylbenzene	ND		4.6	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Methyl acetate	ND		4.6	0.83	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Methylcyclohexane	ND		4.6	0.67	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Methylene Chloride	ND		4.6	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.60	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Methyl tert-butyl ether	ND		4.6	0.69	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
m-Xylene & p-Xylene	ND		9.2	1.3	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
o-Xylene	ND		4.6	0.72	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Styrene	ND		4.6	0.65	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.66	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Tetrachloroethene	ND		4.6	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Toluene	ND		4.6	0.67	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
trans-1,2-Dichloroethene	ND	*	4.6	0.55	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
trans-1,3-Dichloropropene	ND		4.6	0.55	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
1,2,3-Trichlorobenzene	ND		4.6	0.78	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
1,2,4-Trichlorobenzene	ND		4.6	0.81	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
1,1,1-Trichloroethane	ND		4.6	0.45	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
1,1,2-Trichloroethane	ND		4.6	0.76	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Trichloroethene	**160**		4.6	0.60	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Trichlorofluoromethane	ND		4.6	0.84	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	0.98	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1
Vinyl chloride	ND		4.6	0.43	ug/Kg	☼	08/14/14 03:59	08/14/14 13:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/14/14 03:59*	*08/14/14 13:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 120*	*08/14/14 03:59*	*08/14/14 13:42*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/14/14 03:59*	*08/14/14 13:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*	*08/14/14 03:59*	*08/14/14 13:42*	*1*
Toluene-d8 (Surr)	*107*		*72 - 127*	*08/14/14 03:59*	*08/14/14 13:42*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	7.1	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Acenaphthylene	ND		74	8.5	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Acetophenone	ND		370	30	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Anthracene	ND		74	7.2	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Atrazine	ND		370	36	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Benzaldehyde	ND		370	55	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Benzo[a]anthracene	ND		74	9.3	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Benzo[a]pyrene	ND		74	7.4	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Benzo[b]fluoranthene	ND		74	12	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Benzo[g,h,i]perylene	ND		74	7.4	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1

Client Sample ID: SSHS-B92-2-6 (4)
Date Collected: 08/12/14 10:21
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-7
Matrix: Solid
Percent Solids: 89.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		74	15	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Bis(2-chloroethoxy)methane	ND		370	24	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Bis(2-ethylhexyl) phthalate	ND		740	60	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Carbazole	ND		74	6.8	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
2-Chlorophenol	ND		370	30	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Chrysene	ND		74	8.8	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Dibenz(a,h)anthracene	ND		74	8.2	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Dibenzofuran	ND		370	36	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Diethyl phthalate	ND		370	40	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Dimethyl phthalate	ND		370	40	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Di-n-butyl phthalate	ND		370	46	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Fluoranthene	**52**	**J**	74	7.9	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Fluorene	ND		74	9.8	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Hexachlorobenzene	ND		74	7.9	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Hexachlorobutadiene	ND		74	8.3	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Indeno[1,2,3-cd]pyrene	ND		74	7.6	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Isophorone	ND		370	28	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
2-Methylnaphthalene	**24**	**J**	74	6.7	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Methylphenol, 3 & 4	ND		370	36	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Naphthalene	**22**	**J**	74	6.4	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
N-Nitrosodi-n-propylamine	ND		74	8.7	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
N-Nitrosodiphenylamine	ND		370	34	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B92-2-6 (4)
Date Collected: 08/12/14 10:21
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-7
Matrix: Solid
Percent Solids: 89.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		74	8.0	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Phenanthrene	**81**		74	12	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Phenol	ND		74	8.7	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
Pyrene	**72**	**J**	74	7.5	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1
2,4,6-Trichlorophenol	ND		370	55	ug/Kg	☼	08/19/14 02:45	08/19/14 17:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Straight Chain Alkane	*310*	*T J*	*ug/Kg*	☼	*9.57*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*9.78*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown Straight Chain Alkane	*400*	*T J*	*ug/Kg*	☼	*10.42*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*10.45*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown Straight Chain Alkane	*710*	*T J*	*ug/Kg*	☼	*10.84*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*11.27*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*11.33*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*460*	*T J*	*ug/Kg*	☼	*11.59*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown Straight Chain Alkane	*810*	*T J*	*ug/Kg*	☼	*11.72*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*12.07*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*940*	*T J*	*ug/Kg*	☼	*12.21*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*12.34*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*12.38*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*12.50*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*400*	*T J*	*ug/Kg*	☼	*12.53*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*12.58*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*1700*	*T J*	*ug/Kg*	☼	*12.73*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*540*	*T J*	*ug/Kg*	☼	*12.80*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*420*	*T J*	*ug/Kg*	☼	*13.14*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*13.29*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*13.48*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*360*	*T J*	*ug/Kg*	☼	*13.68*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown Straight Chain Alkane	*400*	*T J*	*ug/Kg*	☼	*13.85*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*14.07*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*780*	*T J*	*ug/Kg*	☼	*14.11*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*460*	*T J*	*ug/Kg*	☼	*14.77*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*360*	*T J*	*ug/Kg*	☼	*16.70*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*440*	*T J*	*ug/Kg*	☼	*16.96*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*630*	*T J*	*ug/Kg*	☼	*18.37*		*08/19/14 02:45*	*08/19/14 17:40*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*19.00*		*08/19/14 02:45*	*08/19/14 17:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 105*	*08/19/14 02:45*	*08/19/14 17:40*	*1*
2-Fluorophenol (Surr)	*41*		*39 - 103*	*08/19/14 02:45*	*08/19/14 17:40*	*1*
Nitrobenzene-d5 (Surr)	*52*		*25 - 104*	*08/19/14 02:45*	*08/19/14 17:40*	*1*
Phenol-d5 (Surr)	*57*		*25 - 105*	*08/19/14 02:45*	*08/19/14 17:40*	*1*
Terphenyl-d14 (Surr)	*61*		*25 - 127*	*08/19/14 02:45*	*08/19/14 17:40*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*35 - 124*	*08/19/14 02:45*	*08/19/14 17:40*	*1*

Client Sample Results

Client Sample ID: SSHS-B92-2-6 (4)

Lab Sample ID: 180-35729-7

Date Collected: 08/12/14 10:21

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 89.5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
alpha-BHC	**0.44**	**J p**	1.9	0.30	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
4,4'-DDD	**0.50**	**J p**	1.9	0.24	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
4,4'-DDT	**1.1**	**J p**	1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
delta-BHC	**0.35**	**J p**	1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
Endosulfan sulfate	**0.33**	**J p**	1.9	0.19	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
Endrin	**1.4**	**J p**	1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
gamma-Chlordane	**0.70**	**J p**	1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
Methoxychlor	**1.3**	**J p**	3.7	0.39	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1
Toxaphene	ND		74	12	ug/Kg	☼	08/20/14 06:05	08/20/14 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 130*	*08/20/14 06:05*	*08/20/14 20:05*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 130*	*08/20/14 06:05*	*08/20/14 20:05*	*1*
Tetrachloro-m-xylene	*86*		*45 - 130*	*08/20/14 06:05*	*08/20/14 20:05*	*1*
Tetrachloro-m-xylene	*82*		*45 - 130*	*08/20/14 06:05*	*08/20/14 20:05*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.8	ug/Kg	☼	08/20/14 06:05	08/22/14 06:21	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/20/14 06:05	08/22/14 06:21	1
PCB-1232	ND		18	3.2	ug/Kg	☼	08/20/14 06:05	08/22/14 06:21	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/20/14 06:05	08/22/14 06:21	1
PCB-1248	**81**		18	1.7	ug/Kg	☼	08/20/14 06:05	08/22/14 06:21	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/20/14 06:05	08/22/14 06:21	1
PCB-1260	**28**		18	2.6	ug/Kg	☼	08/20/14 06:05	08/22/14 06:21	1
PCB-1262	ND		18	4.1	ug/Kg	☼	08/20/14 06:05	08/22/14 06:21	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/20/14 06:05	08/22/14 06:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/20/14 06:05*	*08/22/14 05:50*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/20/14 06:05*	*08/22/14 06:21*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*45 - 135*	*08/20/14 06:05*	*08/22/14 05:50*	*1*
Tetrachloro-m-xylene (Surr)	*119*		*45 - 135*	*08/20/14 06:05*	*08/22/14 06:21*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6200**		21	2.2	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Antimony	**0.35**	**J**	1.0	0.21	mg/Kg	☼	08/20/14 13:49	08/27/14 18:40	1

Client Sample ID: SSHS-B92-2-6 (4)

Lab Sample ID: 180-35729-7
Date Collected: 08/12/14 10:21
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 89.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.6**		1.0	0.32	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Barium	**220**	**B**	21	0.013	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Beryllium	**0.36**	**J**	0.41	0.012	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Cadmium	**0.078**	**J B**	0.52	0.015	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Calcium	**9000**	**B**	520	1.6	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Chromium	**11**		0.52	0.080	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Cobalt	**6.8**		5.2	0.043	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Copper	**59**		2.6	0.15	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Iron	**25000**		10	0.92	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Lead	**450**		1.0	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Magnesium	**2400**		520	2.1	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Manganese	**380**		1.6	0.092	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Nickel	**110**	**B**	4.1	0.049	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Potassium	**470**	**J**	520	6.6	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Selenium	**0.44**	**J**	1.0	0.28	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Sodium	**220**	**J B**	520	1.1	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Thallium	**0.15**	**J**	2.1	0.15	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Vanadium	**11**		5.2	0.18	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1
Zinc	**64**	**B**	2.1	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 09:05	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.018**	**J**	0.035	0.012	mg/Kg	☼	08/19/14 09:31	08/19/14 15:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10**		0.10	0.10	%			08/14/14 10:49	1
Percent Solids	**90**		0.10	0.10	%			08/14/14 10:49	1
Cyanide, Total	**0.65**		0.54	0.16	mg/Kg	☼	08/18/14 11:35	08/18/14 13:09	1

Client Sample ID: SSHS-B92-6-10 (9)

Lab Sample ID: 180-35729-8
Date Collected: 08/12/14 10:28
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 74.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.7	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Benzene	ND		4.7	0.64	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Bromoform	ND		4.7	0.42	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Bromomethane	ND		4.7	0.70	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
2-Butanone (MEK)	ND		4.7	0.83	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Carbon disulfide	ND		4.7	0.48	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Carbon tetrachloride	ND		4.7	0.42	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Chlorobenzene	ND		4.7	0.71	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Chlorobromomethane	ND		4.7	0.65	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Chlorodibromomethane	ND		4.7	0.67	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Chloroethane	ND		4.7	1.5	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Chloroform	ND		4.7	0.55	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Chloromethane	ND		4.7	0.80	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1

Client Sample ID: SSHS-B92-6-10 (9)
Lab Sample ID: 180-35729-8
Date Collected: 08/12/14 10:28
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 74.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**12**		4.7	0.66	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
cis-1,3-Dichloropropene	ND		4.7	0.64	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Cyclohexane	ND		4.7	0.35	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
1,2-Dibromo-3-Chloropropane	ND		4.7	0.71	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
1,2-Dibromoethane	ND		4.7	0.81	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
1,2-Dichlorobenzene	ND		4.7	0.75	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
1,3-Dichlorobenzene	ND		4.7	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
1,4-Dichlorobenzene	ND		4.7	0.60	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Dichlorobromomethane	ND		4.7	0.53	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Dichlorodifluoromethane	ND		4.7	0.63	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
1,1-Dichloroethane	ND		4.7	0.54	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
1,2-Dichloroethane	ND		4.7	0.58	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
1,1-Dichloroethene	ND		4.7	0.80	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
1,2-Dichloropropane	ND		4.7	0.51	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
1,4-Dioxane	ND		940	260	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Ethylbenzene	ND		4.7	0.61	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
2-Hexanone	ND		4.7	0.65	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Isopropylbenzene	ND		4.7	0.64	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Methyl acetate	ND		4.7	0.85	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Methylcyclohexane	ND		4.7	0.68	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Methylene Chloride	ND		4.7	0.63	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Methyl tert-butyl ether	ND		4.7	0.71	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
m-Xylene & p-Xylene	ND		9.4	1.4	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
o-Xylene	ND		4.7	0.73	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Styrene	ND		4.7	0.67	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.68	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Tetrachloroethene	ND		4.7	0.64	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Toluene	ND		4.7	0.69	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
trans-1,2-Dichloroethene	ND	*	4.7	0.56	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
trans-1,3-Dichloropropene	ND		4.7	0.56	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
1,2,3-Trichlorobenzene	ND		4.7	0.80	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
1,2,4-Trichlorobenzene	ND		4.7	0.83	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
1,1,1-Trichloroethane	ND		4.7	0.46	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
1,1,2-Trichloroethane	ND		4.7	0.78	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Trichloroethene	**41**		4.7	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Trichlorofluoromethane	ND		4.7	0.87	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.0	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1
Vinyl chloride	ND		4.7	0.44	ug/Kg	☼	08/14/14 03:59	08/14/14 14:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/14/14 03:59*	*08/14/14 14:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/14/14 03:59*	*08/14/14 14:04*	*1*
Dibromofluoromethane (Surr)	*105*		*68 - 121*	*08/14/14 03:59*	*08/14/14 14:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*52 - 124*	*08/14/14 03:59*	*08/14/14 14:04*	*1*
Toluene-d8 (Surr)	*98*		*72 - 127*	*08/14/14 03:59*	*08/14/14 14:04*	*1*

Client Sample ID: SSHS-B92-6-10 (9)

Lab Sample ID: 180-35729-8

Date Collected: 08/12/14 10:28

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 74.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		90	8.6	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Acenaphthylene	ND		90	10	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Acetophenone	ND		440	37	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Anthracene	ND		90	8.8	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Atrazine	ND		440	44	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Benzaldehyde	ND		440	67	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Benzo[a]anthracene	ND		90	11	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Benzo[a]pyrene	ND		90	9.0	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Benzo[b]fluoranthene	ND		90	14	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Benzo[g,h,i]perylene	ND		90	8.9	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Benzo[k]fluoranthene	ND		90	18	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
1,1'-Biphenyl	ND		440	40	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Bis(2-chloroethoxy)methane	ND		440	30	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Bis(2-chloroethyl)ether	ND		90	12	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Bis(2-ethylhexyl) phthalate	ND		900	73	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
4-Bromophenyl phenyl ether	ND		440	39	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Butyl benzyl phthalate	ND		440	61	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Caprolactam	ND		2300	340	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Carbazole	ND		90	8.3	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
4-Chloroaniline	ND		440	36	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
4-Chloro-3-methylphenol	ND		440	41	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
2-Chloronaphthalene	ND		90	9.4	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
2-Chlorophenol	ND		440	37	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
4-Chlorophenyl phenyl ether	ND		440	50	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Chrysene	ND		90	11	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Dibenz(a,h)anthracene	ND		90	10	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Dibenzofuran	ND		440	44	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
3,3'-Dichlorobenzidine	ND		440	47	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
2,4-Dichlorophenol	ND		90	9.0	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Diethyl phthalate	ND		440	49	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
2,4-Dimethylphenol	ND		440	70	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Dimethyl phthalate	ND		440	49	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Di-n-butyl phthalate	ND		440	56	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
4,6-Dinitro-2-methylphenol	ND		2300	180	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
2,4-Dinitrophenol	ND		2300	530	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
2,4-Dinitrotoluene	ND		440	36	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
2,6-Dinitrotoluene	ND		440	46	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Di-n-octyl phthalate	ND		440	47	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
1,4-Dioxane	ND		900	52	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Fluoranthene	ND		90	9.6	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Fluorene	ND		90	12	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Hexachlorobenzene	ND		90	9.6	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Hexachlorobutadiene	ND		90	10	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Hexachlorocyclopentadiene	ND		440	48	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Hexachloroethane	ND		440	32	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Indeno[1,2,3-cd]pyrene	ND		90	9.3	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Isophorone	ND		440	34	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
2-Methylnaphthalene	ND		90	8.1	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
2-Methylphenol	ND		440	31	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1

Client Sample ID: SSHS-B92-6-10 (9)
Date Collected: 08/12/14 10:28
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-8
Matrix: Solid
Percent Solids: 74.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		440	44	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Naphthalene	ND		90	7.7	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
2-Nitroaniline	ND		2300	200	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
3-Nitroaniline	ND		2300	180	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
4-Nitroaniline	ND		2300	180	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Nitrobenzene	ND		900	37	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
2-Nitrophenol	ND		440	50	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
4-Nitrophenol	ND		2300	160	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
N-Nitrosodi-n-propylamine	ND		90	11	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
N-Nitrosodiphenylamine	ND		440	42	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
2,2'-oxybis[1-chloropropane]	ND		90	9.7	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Pentachlorophenol	ND		440	40	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Phenanthrene	ND		90	14	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Phenol	ND		90	11	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
Pyrene	ND		90	9.1	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
1,2,4,5-Tetrachlorobenzene	ND		440	34	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
2,3,4,6-Tetrachlorophenol	ND		440	29	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
2,4,5-Trichlorophenol	ND		440	48	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1
2,4,6-Trichlorophenol	ND		440	67	ug/Kg	☼	08/19/14 02:45	08/19/14 18:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*210*	*T J*	*ug/Kg*	☼	*13.16*		*08/19/14 02:45*	*08/19/14 18:08*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*16.23*		*08/19/14 02:45*	*08/19/14 18:08*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*18.08*		*08/19/14 02:45*	*08/19/14 18:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*08/19/14 02:45*	*08/19/14 18:08*	*1*
2-Fluorophenol (Surr)	*65*		*39 - 103*	*08/19/14 02:45*	*08/19/14 18:08*	*1*
Nitrobenzene-d5 (Surr)	*70*		*25 - 104*	*08/19/14 02:45*	*08/19/14 18:08*	*1*
Phenol-d5 (Surr)	*72*		*25 - 105*	*08/19/14 02:45*	*08/19/14 18:08*	*1*
Terphenyl-d14 (Surr)	*69*		*25 - 127*	*08/19/14 02:45*	*08/19/14 18:08*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*35 - 124*	*08/19/14 02:45*	*08/19/14 18:08*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.3	0.40	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
alpha-BHC	ND		2.3	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
alpha-Chlordane	ND		2.3	0.45	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
beta-BHC	ND		2.3	0.58	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
4,4'-DDD	ND		2.3	0.29	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
4,4'-DDE	ND		2.3	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
4,4'-DDT	ND		2.3	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
delta-BHC	ND		2.3	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
Dieldrin	ND		2.3	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
Endosulfan I	ND		2.3	0.42	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
Endosulfan II	ND		2.3	0.40	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
Endosulfan sulfate	ND		2.3	0.23	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
Endrin	ND		2.3	0.44	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
Endrin aldehyde	ND		2.3	0.44	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
Endrin ketone	ND		2.3	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1

Client Sample Results

Client Sample ID: SSHS-B92-6-10 (9)

Lab Sample ID: 180-35729-8

Date Collected: 08/12/14 10:28

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 74.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		2.3	0.39	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
gamma-Chlordane	ND		2.3	0.44	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
Heptachlor	ND		2.3	0.50	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
Heptachlor epoxide	ND		2.3	0.44	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
Methoxychlor	ND		4.4	0.47	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1
Toxaphene	ND		90	15	ug/Kg	☼	08/20/14 06:05	08/20/14 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/20/14 06:05*	*08/20/14 20:21*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/20/14 06:05*	*08/20/14 20:21*	*1*
Tetrachloro-m-xylene	*92*		*45 - 130*	*08/20/14 06:05*	*08/20/14 20:21*	*1*
Tetrachloro-m-xylene	*89*		*45 - 130*	*08/20/14 06:05*	*08/20/14 20:21*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		22	3.3	ug/Kg	☼	08/20/14 06:05	08/22/14 06:21	1
PCB-1221	ND		22	4.3	ug/Kg	☼	08/20/14 06:05	08/22/14 06:21	1
PCB-1232	ND		22	3.8	ug/Kg	☼	08/20/14 06:05	08/22/14 06:21	1
PCB-1242	ND		22	3.7	ug/Kg	☼	08/20/14 06:05	08/22/14 06:21	1
PCB-1248	ND		22	2.1	ug/Kg	☼	08/20/14 06:05	08/22/14 06:21	1
PCB-1254	ND		22	3.2	ug/Kg	☼	08/20/14 06:05	08/22/14 06:21	1
PCB-1260	ND		22	3.2	ug/Kg	☼	08/20/14 06:05	08/22/14 06:21	1
PCB-1262	ND		22	4.9	ug/Kg	☼	08/20/14 06:05	08/22/14 06:21	1
PCB-1268	ND		22	2.9	ug/Kg	☼	08/20/14 06:05	08/22/14 06:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 125*	*08/20/14 06:05*	*08/22/14 06:21*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/20/14 06:05*	*08/22/14 06:53*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*45 - 135*	*08/20/14 06:05*	*08/22/14 06:21*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*45 - 135*	*08/20/14 06:05*	*08/22/14 06:53*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8800**		26	2.8	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Antimony	ND		1.3	0.26	mg/Kg	☼	08/20/14 13:49	08/27/14 18:46	1
Arsenic	**7.4**		1.3	0.40	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Barium	**140**	**B**	26	0.017	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Beryllium	**0.36**	**J**	0.53	0.015	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Cadmium	**0.13**	**J B**	0.66	0.019	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Calcium	**36000**	**B**	660	2.0	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Chromium	**15**		0.66	0.10	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Cobalt	**8.5**		6.6	0.055	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Copper	**23**		3.3	0.19	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Iron	**20000**		13	1.2	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Lead	**56**		1.3	0.13	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Magnesium	**4500**		660	2.7	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Manganese	**2100**		2.0	0.12	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Nickel	**30**	**B**	5.3	0.063	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Potassium	**650**	**J**	660	8.4	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Selenium	**1.2**	**J**	1.3	0.35	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1

Client Sample ID: SSHS-B92-6-10 (9) **Lab Sample ID: 180-35729-8**
Date Collected: 08/12/14 10:28 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 74.3**

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.26**	**J**	0.66	0.053	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Sodium	**100**	**J B**	660	1.4	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Thallium	**0.71**	**J**	2.6	0.19	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Vanadium	**13**		6.6	0.23	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1
Zinc	**64**	**B**	2.6	0.14	mg/Kg	☼	08/20/14 13:49	08/26/14 09:10	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.028**	**J**	0.044	0.015	mg/Kg	☼	08/19/14 09:31	08/19/14 15:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**26**		0.10	0.10	%			08/14/14 10:49	1
Percent Solids	**74**		0.10	0.10	%			08/14/14 10:49	1
Cyanide, Total	**0.38**	**J**	0.67	0.20	mg/Kg	☼	08/18/14 11:35	08/18/14 13:09	1

Client Sample ID: SSHS-B92-10-16 (12) **Lab Sample ID: 180-35729-9**
Date Collected: 08/12/14 10:38 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 90.1**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.2	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Benzene	ND		4.2	0.57	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Bromoform	ND		4.2	0.37	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Bromomethane	ND		4.2	0.63	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
2-Butanone (MEK)	ND		4.2	0.75	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Carbon disulfide	ND		4.2	0.43	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Carbon tetrachloride	ND		4.2	0.38	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Chlorobenzene	ND		4.2	0.64	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Chlorobromomethane	ND		4.2	0.58	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Chlorodibromomethane	ND		4.2	0.60	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Chloroethane	ND		4.2	1.3	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Chloroform	ND		4.2	0.50	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Chloromethane	ND		4.2	0.72	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
cis-1,2-Dichloroethene	**29**		4.2	0.60	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
cis-1,3-Dichloropropene	ND		4.2	0.57	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Cyclohexane	ND		4.2	0.31	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
1,2-Dibromo-3-Chloropropane	ND		4.2	0.63	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
1,2-Dibromoethane	ND		4.2	0.73	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
1,2-Dichlorobenzene	ND		4.2	0.68	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
1,3-Dichlorobenzene	ND		4.2	0.56	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
1,4-Dichlorobenzene	ND		4.2	0.54	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Dichlorobromomethane	ND		4.2	0.48	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Dichlorodifluoromethane	ND		4.2	0.56	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
1,1-Dichloroethane	ND		4.2	0.49	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
1,2-Dichloroethane	ND		4.2	0.52	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
1,1-Dichloroethene	ND		4.2	0.72	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
1,2-Dichloropropane	ND		4.2	0.46	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
1,4-Dioxane	ND		850	230	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B92-10-16 (12)

Date Collected: 08/12/14 10:38
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-9
Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		4.2	0.54	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
2-Hexanone	ND		4.2	0.59	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Isopropylbenzene	ND		4.2	0.58	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Methyl acetate	ND		4.2	0.76	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Methylcyclohexane	ND		4.2	0.61	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Methylene Chloride	ND		4.2	0.57	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.55	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Methyl tert-butyl ether	ND		4.2	0.63	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
m-Xylene & p-Xylene	ND		8.5	1.2	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
o-Xylene	ND		4.2	0.66	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Styrene	ND		4.2	0.60	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.61	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Tetrachloroethene	ND		4.2	0.58	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Toluene	ND		4.2	0.62	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
trans-1,2-Dichloroethene	ND	*	4.2	0.51	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
trans-1,3-Dichloropropene	ND		4.2	0.51	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
1,2,3-Trichlorobenzene	ND		4.2	0.72	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
1,2,4-Trichlorobenzene	ND		4.2	0.75	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
1,1,1-Trichloroethane	ND		4.2	0.41	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
1,1,2-Trichloroethane	ND		4.2	0.70	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Trichloroethene	**81**		4.2	0.56	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Trichlorofluoromethane	ND		4.2	0.78	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.90	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1
Vinyl chloride	ND		4.2	0.40	ug/Kg	☼	08/14/14 03:59	08/14/14 14:27	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/14/14 03:59*	*08/14/14 14:27*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/14/14 03:59*	*08/14/14 14:27*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/14/14 03:59*	*08/14/14 14:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*52 - 124*	*08/14/14 03:59*	*08/14/14 14:27*	*1*
Toluene-d8 (Surr)	*99*		*72 - 127*	*08/14/14 03:59*	*08/14/14 14:27*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	7.1	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Acenaphthylene	ND		74	8.5	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Acetophenone	ND		370	30	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Anthracene	ND		74	7.2	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Atrazine	ND		370	36	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Benzaldehyde	ND		370	55	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Benzo[a]anthracene	ND		74	9.3	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Benzo[a]pyrene	ND		74	7.4	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Benzo[b]fluoranthene	ND		74	12	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Benzo[g,h,i]perylene	ND		74	7.4	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Benzo[k]fluoranthene	ND		74	15	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Bis(2-chloroethoxy)methane	ND		370	24	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1

Client Sample ID: SSHS-B92-10-16 (12) **Lab Sample ID: 180-35729-9**
Date Collected: 08/12/14 10:38 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 90.1**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		740	60	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Carbazole	ND		74	6.8	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
2-Chlorophenol	ND		370	30	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Chrysene	ND		74	8.8	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Dibenz(a,h)anthracene	ND		74	8.2	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Dibenzofuran	ND		370	36	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Diethyl phthalate	ND		370	40	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Dimethyl phthalate	ND		370	40	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Di-n-butyl phthalate	ND		370	46	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Fluoranthene	ND		74	7.9	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Fluorene	ND		74	9.8	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Hexachlorobenzene	ND		74	7.9	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Hexachlorobutadiene	ND		74	8.3	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Indeno[1,2,3-cd]pyrene	ND		74	7.6	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Isophorone	ND		370	28	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
2-Methylnaphthalene	ND		74	6.7	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Methylphenol, 3 & 4	ND		370	36	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Naphthalene	ND		74	6.4	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
N-Nitrosodi-n-propylamine	ND		74	8.7	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
N-Nitrosodiphenylamine	ND		370	34	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
2,2'-oxybis[1-chloropropane]	ND		74	8.0	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Phenanthrene	ND		74	12	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
Phenol	ND		74	8.7	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1

Client Sample ID: SSHS-B92-10-16 (12)

Lab Sample ID: 180-35729-9

Date Collected: 08/12/14 10:38
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 90.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		74	7.5	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1
2,4,6-Trichlorophenol	ND		370	55	ug/Kg	☼	08/20/14 15:58	08/21/14 12:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 15:58*	*08/21/14 12:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*35 - 105*	*08/20/14 15:58*	*08/21/14 12:26*	*1*
2-Fluorophenol (Surr)	*71*		*39 - 103*	*08/20/14 15:58*	*08/21/14 12:26*	*1*
Nitrobenzene-d5 (Surr)	*81*		*25 - 104*	*08/20/14 15:58*	*08/21/14 12:26*	*1*
Phenol-d5 (Surr)	*67*		*25 - 105*	*08/20/14 15:58*	*08/21/14 12:26*	*1*
Terphenyl-d14 (Surr)	*79*		*25 - 127*	*08/20/14 15:58*	*08/21/14 12:26*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*35 - 124*	*08/20/14 15:58*	*08/21/14 12:26*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1
Toxaphene	ND		74	12	ug/Kg	☼	08/20/14 06:05	08/20/14 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*08/20/14 06:05*	*08/20/14 20:36*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/20/14 06:05*	*08/20/14 20:36*	*1*
Tetrachloro-m-xylene	*92*		*45 - 130*	*08/20/14 06:05*	*08/20/14 20:36*	*1*
Tetrachloro-m-xylene	*89*		*45 - 130*	*08/20/14 06:05*	*08/20/14 20:36*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.8	ug/Kg	☼	08/20/14 06:05	08/22/14 06:53	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/20/14 06:05	08/22/14 06:53	1

Client Sample Results

Client Sample ID: SSHS-B92-10-16 (12)

Date Collected: 08/12/14 10:38
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-9
Matrix: Solid
Percent Solids: 90.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		18	3.2	ug/Kg	☼	08/20/14 06:05	08/22/14 06:53	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/20/14 06:05	08/22/14 06:53	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/20/14 06:05	08/22/14 06:53	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/20/14 06:05	08/22/14 06:53	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/20/14 06:05	08/22/14 06:53	1
PCB-1262	ND		18	4.1	ug/Kg	☼	08/20/14 06:05	08/22/14 06:53	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/20/14 06:05	08/22/14 06:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 125*	*08/20/14 06:05*	*08/22/14 06:53*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*	*08/20/14 06:05*	*08/22/14 07:24*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*45 - 135*	*08/20/14 06:05*	*08/22/14 06:53*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*45 - 135*	*08/20/14 06:05*	*08/22/14 07:24*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7300**		23	2.4	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Antimony	ND		1.2	0.23	mg/Kg	☼	08/20/14 13:49	08/27/14 18:51	1
Arsenic	**8.1**		1.2	0.36	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Barium	**50**	**B**	23	0.015	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Beryllium	**0.35**	**J**	0.47	0.013	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Cadmium	**0.064**	**J B**	0.58	0.017	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Calcium	**4400**	**B**	580	1.8	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Chromium	**10**		0.58	0.090	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Cobalt	**7.4**		5.8	0.049	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Copper	**23**		2.9	0.17	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Iron	**19000**		12	1.0	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Lead	**16**		1.2	0.12	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Magnesium	**3600**		580	2.4	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Manganese	**770**		1.8	0.10	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Nickel	**17**	**B**	4.7	0.055	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Potassium	**690**		580	7.5	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Selenium	ND		1.2	0.31	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Silver	ND		0.58	0.047	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Sodium	**59**	**J B**	580	1.2	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Thallium	**0.36**	**J**	2.3	0.17	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Vanadium	**13**		5.8	0.20	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1
Zinc	**56**	**B**	2.3	0.12	mg/Kg	☼	08/20/14 13:49	08/26/14 09:15	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.013**	**J**	0.034	0.011	mg/Kg	☼	08/19/14 09:31	08/19/14 15:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.9**		0.10	0.10	%			08/14/14 10:49	1
Percent Solids	**90**		0.10	0.10	%			08/14/14 10:49	1
Cyanide, Total	**0.34**	**J**	0.57	0.17	mg/Kg	☼	08/18/14 11:35	08/18/14 13:09	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B94-SS

Date Collected: 08/12/14 11:34
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-10

Matrix: Solid
Percent Solids: 70.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**90**		28	6.9	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Benzene	ND		6.9	0.93	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Bromoform	ND		6.9	0.61	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Bromomethane	ND		6.9	1.0	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
2-Butanone (MEK)	ND		6.9	1.2	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Carbon disulfide	ND		6.9	0.71	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Carbon tetrachloride	ND		6.9	0.61	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Chlorobenzene	ND		6.9	1.0	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Chlorobromomethane	ND		6.9	0.95	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Chlorodibromomethane	ND		6.9	0.98	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Chloroethane	ND		6.9	2.1	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Chloroform	ND		6.9	0.81	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Chloromethane	ND		6.9	1.2	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
cis-1,2-Dichloroethene	ND		6.9	0.97	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
cis-1,3-Dichloropropene	ND		6.9	0.93	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Cyclohexane	ND		6.9	0.51	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
1,2-Dibromo-3-Chloropropane	ND		6.9	1.0	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
1,2-Dibromoethane	ND		6.9	1.2	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
1,2-Dichlorobenzene	ND		6.9	1.1	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
1,3-Dichlorobenzene	ND		6.9	0.90	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
1,4-Dichlorobenzene	ND		6.9	0.88	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Dichlorobromomethane	ND		6.9	0.77	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Dichlorodifluoromethane	ND		6.9	0.92	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
1,1-Dichloroethane	ND		6.9	0.79	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
1,2-Dichloroethane	ND		6.9	0.84	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
1,1-Dichloroethene	ND		6.9	1.2	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
1,2-Dichloropropane	ND		6.9	0.75	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
1,4-Dioxane	ND		1400	380	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Ethylbenzene	ND		6.9	0.89	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
2-Hexanone	ND		6.9	0.95	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Isopropylbenzene	ND		6.9	0.93	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Methyl acetate	**3.3**	**J**	6.9	1.2	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Methylcyclohexane	ND		6.9	1.0	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Methylene Chloride	ND		6.9	0.93	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
4-Methyl-2-pentanone (MIBK)	ND		6.9	0.90	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Methyl tert-butyl ether	ND		6.9	1.0	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
m-Xylene & p-Xylene	ND		14	2.0	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
o-Xylene	ND		6.9	1.1	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Styrene	ND		6.9	0.97	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
1,1,2,2-Tetrachloroethane	ND		6.9	0.99	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Tetrachloroethene	ND		6.9	0.94	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Toluene	ND		6.9	1.0	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
trans-1,2-Dichloroethene	ND	*	6.9	0.82	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
trans-1,3-Dichloropropene	ND		6.9	0.82	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
1,2,3-Trichlorobenzene	ND		6.9	1.2	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
1,2,4-Trichlorobenzene	ND		6.9	1.2	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
1,1,1-Trichloroethane	ND		6.9	0.67	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
1,1,2-Trichloroethane	ND		6.9	1.1	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Trichloroethene	ND		6.9	0.91	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B94-SS
Date Collected: 08/12/14 11:34
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-10
Matrix: Solid
Percent Solids: 70.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		6.9	1.3	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.9	1.5	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1
Vinyl chloride	ND		6.9	0.65	ug/Kg	☼	08/14/14 03:59	08/14/14 14:50	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/14/14 03:59*	*08/14/14 14:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*	*08/14/14 03:59*	*08/14/14 14:50*	*1*
Dibromofluoromethane (Surr)	*109*		*68 - 121*	*08/14/14 03:59*	*08/14/14 14:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*52 - 124*	*08/14/14 03:59*	*08/14/14 14:50*	*1*
Toluene-d8 (Surr)	*107*		*72 - 127*	*08/14/14 03:59*	*08/14/14 14:50*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		94	9.0	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Acenaphthylene	ND		94	11	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Acetophenone	ND		460	38	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Anthracene	**20**	**J**	94	9.2	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Atrazine	ND		460	46	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Benzaldehyde	ND		460	70	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Benzo[a]anthracene	**170**		94	12	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Benzo[a]pyrene	**210**		94	9.4	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Benzo[b]fluoranthene	**320**		94	15	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Benzo[g,h,i]perylene	**180**		94	9.3	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Benzo[k]fluoranthene	**89**	**J**	94	19	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
1,1'-Biphenyl	ND		460	42	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Bis(2-chloroethoxy)methane	ND		460	31	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Bis(2-chloroethyl)ether	ND		94	13	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Bis(2-ethylhexyl) phthalate	**220**	**J**	940	76	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
4-Bromophenyl phenyl ether	ND		460	41	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Butyl benzyl phthalate	ND		460	64	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Caprolactam	ND		2400	350	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Carbazole	**17**	**J**	94	8.6	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
4-Chloroaniline	ND		460	37	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
4-Chloro-3-methylphenol	ND		460	43	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
2-Chloronaphthalene	ND		94	9.8	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
2-Chlorophenol	ND		460	38	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
4-Chlorophenyl phenyl ether	ND		460	52	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Chrysene	**210**		94	11	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Dibenz(a,h)anthracene	**53**	**J**	94	10	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Dibenzofuran	ND		460	46	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
3,3'-Dichlorobenzidine	ND		460	49	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
2,4-Dichlorophenol	ND		94	9.4	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Diethyl phthalate	ND		460	51	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
2,4-Dimethylphenol	ND		460	73	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Dimethyl phthalate	ND		460	51	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Di-n-butyl phthalate	ND		460	59	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
4,6-Dinitro-2-methylphenol	ND		2400	190	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
2,4-Dinitrophenol	ND		2400	560	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1

Client Sample ID: SSHS-B94-SS

Lab Sample ID: 180-35729-10

Date Collected: 08/12/14 11:34

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 70.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		460	38	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
2,6-Dinitrotoluene	ND		460	48	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Di-n-octyl phthalate	ND		460	49	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
1,4-Dioxane	ND		940	54	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Fluoranthene	**390**		94	10	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Fluorene	ND		94	12	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Hexachlorobenzene	ND		94	10	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Hexachlorobutadiene	ND		94	10	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Hexachlorocyclopentadiene	ND		460	50	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Hexachloroethane	ND		460	34	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Indeno[1,2,3-cd]pyrene	**160**		94	9.6	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Isophorone	ND		460	35	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
2-Methylnaphthalene	ND		94	8.4	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
2-Methylphenol	ND		460	33	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Methylphenol, 3 & 4	ND		460	46	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Naphthalene	ND		94	8.1	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
2-Nitroaniline	ND		2400	210	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
3-Nitroaniline	ND		2400	190	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
4-Nitroaniline	ND		2400	190	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Nitrobenzene	ND		940	39	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
2-Nitrophenol	ND		460	52	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
4-Nitrophenol	ND		2400	170	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
N-Nitrosodi-n-propylamine	ND		94	11	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
N-Nitrosodiphenylamine	ND		460	43	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
2,2'-oxybis[1-chloropropane]	ND		94	10	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Pentachlorophenol	ND		460	42	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Phenanthrene	**88**	**J**	94	15	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Phenol	ND		94	11	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
Pyrene	**280**		94	9.5	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
1,2,4,5-Tetrachlorobenzene	ND		460	35	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
2,3,4,6-Tetrachlorophenol	ND		460	30	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
2,4,5-Trichlorophenol	ND		460	50	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1
2,4,6-Trichlorophenol	ND		460	70	ug/Kg	☼	08/19/14 02:45	08/19/14 19:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190*	*T J*	*ug/Kg*	☼	*10.48*		*08/19/14 02:45*	*08/19/14 19:04*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*12.74*		*08/19/14 02:45*	*08/19/14 19:04*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*13.36*		*08/19/14 02:45*	*08/19/14 19:04*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*13.90*		*08/19/14 02:45*	*08/19/14 19:04*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*16.07*		*08/19/14 02:45*	*08/19/14 19:04*	*1*
Unknown	*2800*	*T J*	*ug/Kg*	☼	*16.22*		*08/19/14 02:45*	*08/19/14 19:04*	*1*
Unknown Straight Chain Alkane	*440*	*T J*	*ug/Kg*	☼	*16.63*		*08/19/14 02:45*	*08/19/14 19:04*	*1*
Unknown	*1900*	*T J*	*ug/Kg*	☼	*16.67*		*08/19/14 02:45*	*08/19/14 19:04*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*16.77*		*08/19/14 02:45*	*08/19/14 19:04*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*16.96*		*08/19/14 02:45*	*08/19/14 19:04*	*1*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*17.69*		*08/19/14 02:45*	*08/19/14 19:04*	*1*
Unknown Straight Chain Alkane	*1200*	*T J*	*ug/Kg*	☼	*18.07*		*08/19/14 02:45*	*08/19/14 19:04*	*1*
Unknown	*380*	*T J*	*ug/Kg*	☼	*18.15*		*08/19/14 02:45*	*08/19/14 19:04*	*1*
Unknown	*950*	*T J*	*ug/Kg*	☼	*19.20*		*08/19/14 02:45*	*08/19/14 19:04*	*1*
Unknown	*830*	*T J*	*ug/Kg*	☼	*19.62*		*08/19/14 02:45*	*08/19/14 19:04*	*1*

Client Sample ID: SSHS-B94-SS
Date Collected: 08/12/14 11:34
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-10
Matrix: Solid
Percent Solids: 70.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*35 - 105*	*08/19/14 02:45*	*08/19/14 19:04*	*1*
2-Fluorophenol (Surr)	*50*		*39 - 103*	*08/19/14 02:45*	*08/19/14 19:04*	*1*
Nitrobenzene-d5 (Surr)	*54*		*25 - 104*	*08/19/14 02:45*	*08/19/14 19:04*	*1*
Phenol-d5 (Surr)	*57*		*25 - 105*	*08/19/14 02:45*	*08/19/14 19:04*	*1*
Terphenyl-d14 (Surr)	*61*		*25 - 127*	*08/19/14 02:45*	*08/19/14 19:04*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*35 - 124*	*08/19/14 02:45*	*08/19/14 19:04*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.4	0.42	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
alpha-BHC	ND		2.4	0.38	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
alpha-Chlordane	ND		2.4	0.46	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
beta-BHC	ND		2.4	0.61	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
4,4'-DDD	ND		2.4	0.31	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
4,4'-DDE	ND		2.4	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
4,4'-DDT	ND		2.4	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
delta-BHC	ND		2.4	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
Dieldrin	ND		2.4	0.39	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
Endosulfan I	ND		2.4	0.44	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
Endosulfan II	ND		2.4	0.41	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
Endosulfan sulfate	ND		2.4	0.24	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
Endrin	**0.47**	**J p**	2.4	0.45	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
Endrin aldehyde	ND		2.4	0.45	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
Endrin ketone	ND		2.4	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
gamma-BHC (Lindane)	ND		2.4	0.41	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
gamma-Chlordane	ND		2.4	0.46	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
Heptachlor	ND		2.4	0.52	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
Heptachlor epoxide	ND		2.4	0.46	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
Methoxychlor	ND		4.6	0.49	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1
Toxaphene	ND		94	16	ug/Kg	☼	08/20/14 06:05	08/20/14 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/20/14 06:05*	*08/20/14 20:52*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*	*08/20/14 06:05*	*08/20/14 20:52*	*1*
Tetrachloro-m-xylene	*89*		*45 - 130*	*08/20/14 06:05*	*08/20/14 20:52*	*1*
Tetrachloro-m-xylene	*85*		*45 - 130*	*08/20/14 06:05*	*08/20/14 20:52*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		23	3.5	ug/Kg	☼	08/20/14 06:05	08/22/14 07:24	1
PCB-1221	ND		23	4.5	ug/Kg	☼	08/20/14 06:05	08/22/14 07:24	1
PCB-1232	ND		23	4.0	ug/Kg	☼	08/20/14 06:05	08/22/14 07:24	1
PCB-1242	ND		23	3.8	ug/Kg	☼	08/20/14 06:05	08/22/14 07:24	1
PCB-1248	ND		23	2.2	ug/Kg	☼	08/20/14 06:05	08/22/14 07:24	1
PCB-1254	ND		23	3.3	ug/Kg	☼	08/20/14 06:05	08/22/14 07:24	1
PCB-1260	ND		23	3.3	ug/Kg	☼	08/20/14 06:05	08/22/14 07:24	1
PCB-1262	ND		23	5.1	ug/Kg	☼	08/20/14 06:05	08/22/14 07:24	1
PCB-1268	ND		23	3.0	ug/Kg	☼	08/20/14 06:05	08/22/14 07:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 125*	*08/20/14 06:05*	*08/22/14 07:24*	*1*

Client Sample ID: SSHS-B94-SS

Lab Sample ID: 180-35729-10

Date Collected: 08/12/14 11:34
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 70.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 125*	*08/20/14 06:05*	*08/22/14 07:56*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*45 - 135*	*08/20/14 06:05*	*08/22/14 07:24*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*45 - 135*	*08/20/14 06:05*	*08/22/14 07:56*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9900**		26	2.7	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Antimony	ND		1.3	0.26	mg/Kg	☼	08/20/14 13:49	08/27/14 18:56	1
Arsenic	**8.6**		1.3	0.39	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Barium	**99**	**B**	26	0.016	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Beryllium	**0.51**		0.51	0.014	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Cadmium	**0.22**	**J B**	0.64	0.018	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Calcium	**2200**	**B**	640	1.9	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Chromium	**14**		0.64	0.099	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Cobalt	**8.5**		6.4	0.054	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Copper	**17**		3.2	0.18	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Iron	**20000**		13	1.1	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Lead	**18**		1.3	0.13	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Magnesium	**2800**		640	2.7	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Manganese	**480**		1.9	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Nickel	**19**	**B**	5.1	0.061	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Potassium	**960**		640	8.2	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Selenium	ND		1.3	0.34	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Silver	ND		0.64	0.052	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Sodium	**40**	**J B**	640	1.4	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Thallium	ND		2.6	0.19	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Vanadium	**12**		6.4	0.22	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1
Zinc	**63**	**B**	2.6	0.13	mg/Kg	☼	08/20/14 13:49	08/26/14 09:20	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.036**	**J**	0.044	0.014	mg/Kg	☼	08/19/14 09:31	08/19/14 15:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**29**		0.10	0.10	%			08/14/14 10:49	1
Percent Solids	**71**		0.10	0.10	%			08/14/14 10:49	1
Cyanide, Total	ND		0.72	0.21	mg/Kg	☼	08/18/14 11:35	08/18/14 13:17	1

Client Sample ID: SSHS-B96-SS

Lab Sample ID: 180-35729-11

Date Collected: 08/12/14 15:55
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 82.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1100**		1100	280	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Benzene	ND		280	55	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Bromoform	ND		280	59	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Bromomethane	ND		280	87	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
2-Butanone (MEK)	ND		280	60	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1

Client Sample ID: SSHS-B96-SS
Lab Sample ID: 180-35729-11
Date Collected: 08/12/14 15:55
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		280	59	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Carbon tetrachloride	ND		280	60	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Chlorobenzene	ND		280	29	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Chlorobromomethane	ND		280	56	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Chlorodibromomethane	ND		280	36	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Chloroethane	ND		280	41	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Chloroform	ND		280	56	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Chloromethane	ND		280	77	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
cis-1,2-Dichloroethene	ND		280	37	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
cis-1,3-Dichloropropene	ND		280	40	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Cyclohexane	ND		280	33	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
1,2-Dibromo-3-Chloropropane	ND	*	280	19	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
1,2-Dibromoethane	ND		280	34	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
1,2-Dichlorobenzene	ND		280	38	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
1,3-Dichlorobenzene	ND		280	28	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
1,4-Dichlorobenzene	ND		280	29	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Dichlorobromomethane	ND		280	51	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Dichlorodifluoromethane	ND		280	35	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
1,1-Dichloroethane	ND		280	56	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
1,2-Dichloroethane	ND		280	53	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
1,1-Dichloroethene	ND		280	59	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
1,2-Dichloropropane	ND		280	71	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
1,4-Dioxane	ND		55000	5400	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Ethylbenzene	ND		280	34	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
2-Hexanone	ND		280	31	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Isopropylbenzene	ND		280	29	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Methyl acetate	ND		280	68	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Methylcyclohexane	ND		280	31	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Methylene Chloride	ND		280	60	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
4-Methyl-2-pentanone (MIBK)	ND		280	33	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Methyl tert-butyl ether	ND		280	57	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
m-Xylene & p-Xylene	ND		550	71	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
o-Xylene	ND		280	41	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Styrene	ND		280	35	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
1,1,2,2-Tetrachloroethane	ND		280	52	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Tetrachloroethene	ND		280	46	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Toluene	ND		280	47	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
trans-1,2-Dichloroethene	ND		280	42	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
trans-1,3-Dichloropropene	ND		280	32	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
1,2,3-Trichlorobenzene	ND		280	35	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
1,2,4-Trichlorobenzene	ND		280	21	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
1,1,1-Trichloroethane	ND		280	57	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
1,1,2-Trichloroethane	ND		280	64	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Trichloroethene	ND		280	44	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Trichlorofluoromethane	ND		280	62	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		280	18	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1
Vinyl chloride	ND		280	71	ug/Kg	☼	08/19/14 08:45	08/19/14 19:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, tetrahydro-	*3500*	*T J N*	*ug/Kg*	☼	*6.71*	*109-99-9*	*08/19/14 08:45*	*08/19/14 19:30*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B96-SS

Date Collected: 08/12/14 15:55
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-11
Matrix: Solid
Percent Solids: 82.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*63 - 120*	*08/19/14 08:45*	*08/19/14 19:30*	*1*
Dibromofluoromethane (Surr)	*83*		*68 - 121*	*08/19/14 08:45*	*08/19/14 19:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*67*		*52 - 124*	*08/19/14 08:45*	*08/19/14 19:30*	*1*
Toluene-d8 (Surr)	*94*		*72 - 127*	*08/19/14 08:45*	*08/19/14 19:30*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**12**	**J**	81	7.7	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Acenaphthylene	ND		81	9.2	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Acetophenone	ND		400	33	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Anthracene	**29**	**J**	81	7.9	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Atrazine	ND		400	39	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Benzaldehyde	ND		400	60	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Benzo[a]anthracene	**83**		81	10	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Benzo[a]pyrene	**83**		81	8.1	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Benzo[b]fluoranthene	**110**		81	13	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Benzo[g,h,i]perylene	**68**	**J**	81	8.0	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Benzo[k]fluoranthene	**43**	**J**	81	16	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
1,1'-Biphenyl	ND		400	36	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Bis(2-chloroethoxy)methane	ND		400	27	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Bis(2-chloroethyl)ether	ND		81	11	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Bis(2-ethylhexyl) phthalate	ND		810	65	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
4-Bromophenyl phenyl ether	ND		400	35	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Butyl benzyl phthalate	ND		400	55	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Caprolactam	ND		2100	300	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Carbazole	**14**	**J**	81	7.4	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
4-Chloroaniline	ND		400	32	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
4-Chloro-3-methylphenol	ND		400	37	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
2-Chloronaphthalene	ND		81	8.4	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
2-Chlorophenol	ND		400	33	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
4-Chlorophenyl phenyl ether	ND		400	45	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Chrysene	**97**		81	9.6	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Dibenz(a,h)anthracene	**17**	**J**	81	9.0	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Dibenzofuran	ND		400	40	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
3,3'-Dichlorobenzidine	ND		400	43	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
2,4-Dichlorophenol	ND		81	8.1	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Diethyl phthalate	ND		400	44	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
2,4-Dimethylphenol	ND		400	63	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Dimethyl phthalate	ND		400	44	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Di-n-butyl phthalate	ND		400	50	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
4,6-Dinitro-2-methylphenol	ND		2100	160	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
2,4-Dinitrophenol	ND		2100	480	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
2,4-Dinitrotoluene	ND		400	33	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
2,6-Dinitrotoluene	ND		400	42	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Di-n-octyl phthalate	ND		400	42	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
1,4-Dioxane	ND		810	46	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Fluoranthene	**210**		81	8.6	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Fluorene	ND		81	11	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Hexachlorobenzene	ND		81	8.6	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Hexachlorobutadiene	ND		81	9.0	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1

Client Sample ID: SSHS-B96-SS
Date Collected: 08/12/14 15:55
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-11
Matrix: Solid
Percent Solids: 82.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		400	43	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Hexachloroethane	ND		400	29	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Indeno[1,2,3-cd]pyrene	**58**	**J**	81	8.3	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Isophorone	ND		400	30	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
2-Methylnaphthalene	ND		81	7.2	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
2-Methylphenol	ND		400	28	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Methylphenol, 3 & 4	ND		400	39	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Naphthalene	ND		81	6.9	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
2-Nitroaniline	ND		2100	180	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
3-Nitroaniline	ND		2100	170	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
4-Nitroaniline	ND		2100	160	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Nitrobenzene	ND		810	34	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
2-Nitrophenol	ND		400	44	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
4-Nitrophenol	ND		2100	150	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
N-Nitrosodi-n-propylamine	ND		81	9.4	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
N-Nitrosodiphenylamine	ND		400	37	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
2,2'-oxybis[1-chloropropane]	ND		81	8.7	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Pentachlorophenol	ND		400	36	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Phenanthrene	**130**		81	13	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Phenol	ND		81	9.5	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
Pyrene	**170**		81	8.1	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
1,2,4,5-Tetrachlorobenzene	ND		400	31	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
2,3,4,6-Tetrachlorophenol	ND		400	26	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
2,4,5-Trichlorophenol	ND		400	43	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1
2,4,6-Trichlorophenol	ND		400	60	ug/Kg	☼	08/19/14 02:45	08/19/14 19:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*290*	*T J*	*ug/Kg*	☼	*12.74*		*08/19/14 02:45*	*08/19/14 19:32*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*13.91*		*08/19/14 02:45*	*08/19/14 19:32*	*1*
Unknown Straight Chain Alkane	*210*	*T J*	*ug/Kg*	☼	*15.23*		*08/19/14 02:45*	*08/19/14 19:32*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*16.08*		*08/19/14 02:45*	*08/19/14 19:32*	*1*
Unknown	*1400*	*T J*	*ug/Kg*	☼	*16.22*		*08/19/14 02:45*	*08/19/14 19:32*	*1*
Unknown Straight Chain Alkane	*440*	*T J*	*ug/Kg*	☼	*16.63*		*08/19/14 02:45*	*08/19/14 19:32*	*1*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*16.67*		*08/19/14 02:45*	*08/19/14 19:32*	*1*
Unknown	*910*	*T J*	*ug/Kg*	☼	*17.70*		*08/19/14 02:45*	*08/19/14 19:32*	*1*
Unknown Straight Chain Alkane	*1100*	*T J*	*ug/Kg*	☼	*18.08*		*08/19/14 02:45*	*08/19/14 19:32*	*1*
Unknown	*400*	*T J*	*ug/Kg*	☼	*18.15*		*08/19/14 02:45*	*08/19/14 19:32*	*1*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*19.22*		*08/19/14 02:45*	*08/19/14 19:32*	*1*
Unknown Straight Chain Alkane	*510*	*T J*	*ug/Kg*	☼	*19.63*		*08/19/14 02:45*	*08/19/14 19:32*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*19.74*		*08/19/14 02:45*	*08/19/14 19:32*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*19.89*		*08/19/14 02:45*	*08/19/14 19:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*35 - 105*	*08/19/14 02:45*	*08/19/14 19:32*	*1*
2-Fluorophenol (Surr)	*55*		*39 - 103*	*08/19/14 02:45*	*08/19/14 19:32*	*1*
Nitrobenzene-d5 (Surr)	*59*		*25 - 104*	*08/19/14 02:45*	*08/19/14 19:32*	*1*
Phenol-d5 (Surr)	*57*		*25 - 105*	*08/19/14 02:45*	*08/19/14 19:32*	*1*
Terphenyl-d14 (Surr)	*55*		*25 - 127*	*08/19/14 02:45*	*08/19/14 19:32*	*1*
2,4,6-Tribromophenol (Surr)	*47*		*35 - 124*	*08/19/14 02:45*	*08/19/14 19:32*	*1*

Client Sample ID: SSHS-B96-SS **Lab Sample ID: 180-35729-11**
Date Collected: 08/12/14 15:55 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 82.3**

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.1	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
alpha-BHC	ND		2.1	0.33	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
alpha-Chlordane	ND		2.1	0.40	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
beta-BHC	ND		2.1	0.53	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
4,4'-DDD	ND		2.1	0.27	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
4,4'-DDE	ND		2.1	0.31	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
4,4'-DDT	ND		2.1	0.30	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
delta-BHC	ND		2.1	0.31	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
Dieldrin	**0.51**	**J p**	2.1	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
Endosulfan I	ND		2.1	0.38	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
Endosulfan II	ND		2.1	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
Endosulfan sulfate	ND		2.1	0.21	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
Endrin	ND		2.1	0.39	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
Endrin aldehyde	ND		2.1	0.39	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
Endrin ketone	ND		2.1	0.32	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
gamma-BHC (Lindane)	ND		2.1	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
gamma-Chlordane	**0.74**	**J**	2.1	0.40	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
Heptachlor	ND		2.1	0.45	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
Heptachlor epoxide	ND		2.1	0.39	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
Methoxychlor	ND		4.0	0.42	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1
Toxaphene	ND		81	14	ug/Kg	☼	08/20/14 06:05	08/20/14 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 130*	*08/20/14 06:05*	*08/20/14 21:08*	*1*
DCB Decachlorobiphenyl (Surr)	*65*		*45 - 130*	*08/20/14 06:05*	*08/20/14 21:08*	*1*
Tetrachloro-m-xylene	*78*		*45 - 130*	*08/20/14 06:05*	*08/20/14 21:08*	*1*
Tetrachloro-m-xylene	*78*		*45 - 130*	*08/20/14 06:05*	*08/20/14 21:08*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	3.0	ug/Kg	☼	08/20/14 06:05	08/22/14 09:30	1
PCB-1221	ND		20	3.9	ug/Kg	☼	08/20/14 06:05	08/22/14 09:30	1
PCB-1232	ND		20	3.5	ug/Kg	☼	08/20/14 06:05	08/22/14 09:30	1
PCB-1242	ND		20	3.3	ug/Kg	☼	08/20/14 06:05	08/22/14 09:30	1
PCB-1248	**6.9**	**J p**	20	1.9	ug/Kg	☼	08/20/14 06:05	08/22/14 10:02	1
PCB-1254	ND		20	2.9	ug/Kg	☼	08/20/14 06:05	08/22/14 09:30	1
PCB-1260	**11**	**J**	20	2.9	ug/Kg	☼	08/20/14 06:05	08/22/14 10:02	1
PCB-1262	ND		20	4.4	ug/Kg	☼	08/20/14 06:05	08/22/14 09:30	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/20/14 06:05	08/22/14 09:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/20/14 06:05*	*08/22/14 09:30*	*1*
DCB Decachlorobiphenyl (Surr)	*66*		*45 - 125*	*08/20/14 06:05*	*08/22/14 10:02*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*	*08/20/14 06:05*	*08/22/14 09:30*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*	*08/20/14 06:05*	*08/22/14 10:02*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		25	2.6	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Antimony	ND		1.2	0.24	mg/Kg	☼	08/20/14 13:49	08/27/14 19:02	1

Client Sample Results

Client Sample ID: SSHS-B96-SS

Lab Sample ID: 180-35729-11
Date Collected: 08/12/14 15:55
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 82.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.4**		1.2	0.38	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Barium	**91**	**B**	25	0.016	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Beryllium	**0.56**		0.49	0.014	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Cadmium	**0.085**	**J B**	0.61	0.018	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Calcium	**1700**	**B**	610	1.8	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Chromium	**14**		0.61	0.095	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Cobalt	**9.6**		6.1	0.051	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Copper	**16**		3.1	0.18	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Iron	**22000**		12	1.1	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Lead	**20**		1.2	0.13	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Magnesium	**3100**		610	2.5	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Manganese	**540**		1.8	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Nickel	**22**	**B**	4.9	0.058	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Potassium	**830**		610	7.8	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Selenium	**0.61**	**J**	1.2	0.33	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Silver	ND		0.61	0.050	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Sodium	**42**	**J B**	610	1.3	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Thallium	ND		2.5	0.18	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Vanadium	**15**		6.1	0.21	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1
Zinc	**61**	**B**	2.5	0.13	mg/Kg	☼	08/20/14 13:49	08/26/14 09:25	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**	**J**	0.040	0.013	mg/Kg	☼	08/19/14 09:31	08/19/14 15:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18**		0.10	0.10	%			08/14/14 10:49	1
Percent Solids	**82**		0.10	0.10	%			08/14/14 10:49	1
Cyanide, Total	**0.30**	**J**	0.60	0.18	mg/Kg	☼	08/18/14 11:35	08/18/14 13:17	1

Client Sample ID: SSHS-B96-0.17-2 (1.5)

Lab Sample ID: 180-35729-12
Date Collected: 08/12/14 16:00
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 92.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**140**		19	4.8	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Benzene	ND		4.8	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Bromoform	ND		4.8	0.43	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Bromomethane	ND		4.8	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
2-Butanone (MEK)	ND		4.8	0.85	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Carbon disulfide	ND		4.8	0.50	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Carbon tetrachloride	ND		4.8	0.43	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Chlorobenzene	ND		4.8	0.73	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Chlorobromomethane	ND		4.8	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Chlorodibromomethane	ND		4.8	0.69	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Chloroethane	ND		4.8	1.5	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Chloroform	ND		4.8	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Chloromethane	ND		4.8	0.82	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1

Client Sample ID: SSHS-B96-0.17-2 (1.5)

Lab Sample ID: 180-35729-12

Date Collected: 08/12/14 16:00

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 92.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		4.8	0.68	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
cis-1,3-Dichloropropene	ND		4.8	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Cyclohexane	ND		4.8	0.36	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
1,2-Dibromo-3-Chloropropane	ND		4.8	0.73	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
1,2-Dibromoethane	ND		4.8	0.84	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
1,2-Dichlorobenzene	ND		4.8	0.77	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
1,3-Dichlorobenzene	ND		4.8	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
1,4-Dichlorobenzene	ND		4.8	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Dichlorobromomethane	ND		4.8	0.54	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Dichlorodifluoromethane	ND		4.8	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
1,1-Dichloroethane	ND		4.8	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
1,2-Dichloroethane	ND		4.8	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
1,1-Dichloroethene	ND		4.8	0.82	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
1,2-Dichloropropane	ND		4.8	0.53	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
1,4-Dioxane	ND		970	270	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Ethylbenzene	ND		4.8	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
2-Hexanone	ND		4.8	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Isopropylbenzene	ND		4.8	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Methyl acetate	ND		4.8	0.87	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Methylcyclohexane	ND		4.8	0.70	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Methylene Chloride	ND		4.8	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
4-Methyl-2-pentanone (MIBK)	ND		4.8	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Methyl tert-butyl ether	ND		4.8	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
m-Xylene & p-Xylene	ND		9.7	1.4	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
o-Xylene	ND		4.8	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Styrene	ND		4.8	0.68	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
1,1,2,2-Tetrachloroethane	ND		4.8	0.70	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Tetrachloroethene	ND		4.8	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Toluene	ND		4.8	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
trans-1,2-Dichloroethene	ND		4.8	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
trans-1,3-Dichloropropene	ND		4.8	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
1,2,3-Trichlorobenzene	ND		4.8	0.82	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
1,2,4-Trichlorobenzene	ND		4.8	0.85	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
1,1,1-Trichloroethane	ND		4.8	0.47	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
1,1,2-Trichloroethane	ND		4.8	0.81	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Trichloroethene	**0.67**	**J**	4.8	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Trichlorofluoromethane	ND		4.8	0.89	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.0	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1
Vinyl chloride	ND		4.8	0.45	ug/Kg	☼	08/15/14 04:00	08/15/14 07:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 04:00*	*08/15/14 07:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/15/14 04:00*	*08/15/14 07:31*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/15/14 04:00*	*08/15/14 07:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*52 - 124*	*08/15/14 04:00*	*08/15/14 07:31*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/15/14 04:00*	*08/15/14 07:31*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B96-0.17-2 (1.5)
Date Collected: 08/12/14 16:00
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-12
Matrix: Solid
Percent Solids: 92.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**130**		73	7.0	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Acenaphthylene	ND		73	8.3	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Acetophenone	ND		360	30	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Anthracene	**220**		73	7.1	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Atrazine	ND		360	35	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Benzaldehyde	ND		360	54	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Benzo[a]anthracene	**340**		73	9.1	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Benzo[a]pyrene	**290**		73	7.3	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Benzo[b]fluoranthene	**300**		73	11	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Benzo[g,h,i]perylene	**230**		73	7.2	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Benzo[k]fluoranthene	**180**		73	15	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Bis(2-chloroethyl)ether	ND		73	9.7	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Carbazole	**93**		73	6.7	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Chrysene	**340**		73	8.6	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Dibenz(a,h)anthracene	**55**	**J**	73	8.1	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Dibenzofuran	**65**	**J**	360	36	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Di-n-butyl phthalate	ND		360	45	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
4,6-Dinitro-2-methylphenol	ND		1800	150	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
2,6-Dinitrotoluene	ND		360	37	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Fluoranthene	**850**		73	7.8	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Fluorene	**100**		73	9.6	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Hexachlorobenzene	ND		73	7.7	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Hexachlorobutadiene	ND		73	8.1	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Indeno[1,2,3-cd]pyrene	**170**		73	7.5	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Isophorone	ND		360	27	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
2-Methylnaphthalene	**37**	**J**	73	6.5	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1

Client Sample ID: SSHS-B96-0.17-2 (1.5)
Date Collected: 08/12/14 16:00
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-12
Matrix: Solid
Percent Solids: 92.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		360	35	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Naphthalene	**44**	**J**	73	6.2	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
4-Nitroaniline	ND		1800	150	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
N-Nitrosodi-n-propylamine	ND		73	8.5	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
2,2'-oxybis[1-chloropropane]	ND		73	7.8	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Pentachlorophenol	ND		360	32	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Phenanthrene	**840**		73	12	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Phenol	ND		73	8.6	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
Pyrene	**720**		73	7.3	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
1,2,4,5-Tetrachlorobenzene	ND		360	27	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/19/14 02:45	08/19/14 20:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*280*	*T J*	*ug/Kg*	☼	*11.27*		*08/19/14 02:45*	*08/19/14 20:00*	*1*
Unknown	*400*	*T J*	*ug/Kg*	☼	*11.93*		*08/19/14 02:45*	*08/19/14 20:00*	*1*
Unknown	*500*	*T J*	*ug/Kg*	☼	*12.74*		*08/19/14 02:45*	*08/19/14 20:00*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*13.31*		*08/19/14 02:45*	*08/19/14 20:00*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*13.91*		*08/19/14 02:45*	*08/19/14 20:00*	*1*
Unknown	*400*	*T J*	*ug/Kg*	☼	*14.36*		*08/19/14 02:45*	*08/19/14 20:00*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*16.63*		*08/19/14 02:45*	*08/19/14 20:00*	*1*
Unknown PAH	*230*	*T J*	*ug/Kg*	☼	*16.97*		*08/19/14 02:45*	*08/19/14 20:00*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*17.69*		*08/19/14 02:45*	*08/19/14 20:00*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*18.08*		*08/19/14 02:45*	*08/19/14 20:00*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*19.21*		*08/19/14 02:45*	*08/19/14 20:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*35 - 105*	*08/19/14 02:45*	*08/19/14 20:00*	*1*
2-Fluorophenol (Surr)	*53*		*39 - 103*	*08/19/14 02:45*	*08/19/14 20:00*	*1*
Nitrobenzene-d5 (Surr)	*60*		*25 - 104*	*08/19/14 02:45*	*08/19/14 20:00*	*1*
Phenol-d5 (Surr)	*59*		*25 - 105*	*08/19/14 02:45*	*08/19/14 20:00*	*1*
Terphenyl-d14 (Surr)	*58*		*25 - 127*	*08/19/14 02:45*	*08/19/14 20:00*	*1*
2,4,6-Tribromophenol (Surr)	*46*		*35 - 124*	*08/19/14 02:45*	*08/19/14 20:00*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
4,4'-DDD	**0.34**	**J**	1.8	0.23	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
4,4'-DDT	**1.2**	**J p**	1.8	0.27	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1

Client Sample Results

Client Sample ID: SSHS-B96-0.17-2 (1.5)

Lab Sample ID: 180-35729-12

Date Collected: 08/12/14 16:00

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 92.0

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
Dieldrin	**0.35**	**J p**	1.8	0.30	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
Endrin	**0.91**	**J**	1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
gamma-BHC (Lindane)	**0.41**	**J**	1.8	0.31	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
gamma-Chlordane	**0.74**	**J p**	1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1
Toxaphene	ND		72	12	ug/Kg	☼	08/20/14 06:05	08/20/14 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/20/14 06:05*	*08/20/14 21:23*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*08/20/14 06:05*	*08/20/14 21:23*	*1*
Tetrachloro-m-xylene	*85*		*45 - 130*	*08/20/14 06:05*	*08/20/14 21:23*	*1*
Tetrachloro-m-xylene	*83*		*45 - 130*	*08/20/14 06:05*	*08/20/14 21:23*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/20/14 06:05	08/22/14 10:02	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/20/14 06:05	08/22/14 10:02	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/20/14 06:05	08/22/14 10:02	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/20/14 06:05	08/22/14 10:02	1
PCB-1248	**58**		18	1.7	ug/Kg	☼	08/20/14 06:05	08/22/14 10:02	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/20/14 06:05	08/22/14 10:02	1
PCB-1260	**21**		18	2.5	ug/Kg	☼	08/20/14 06:05	08/22/14 10:33	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/20/14 06:05	08/22/14 10:02	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/20/14 06:05	08/22/14 10:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 125*	*08/20/14 06:05*	*08/22/14 10:02*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 125*	*08/20/14 06:05*	*08/22/14 10:33*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*	*08/20/14 06:05*	*08/22/14 10:02*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*45 - 135*	*08/20/14 06:05*	*08/22/14 10:33*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		19	2.0	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Antimony	ND		0.97	0.19	mg/Kg	☼	08/20/14 13:49	08/27/14 19:07	1
Arsenic	**8.1**		0.97	0.30	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Barium	**86**	**B**	19	0.012	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Beryllium	**0.50**		0.39	0.011	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Cadmium	**0.095**	**J B**	0.49	0.014	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Calcium	**4200**	**B**	490	1.5	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Chromium	**12**		0.49	0.075	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Cobalt	**8.9**		4.9	0.041	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1

Client Sample ID: SSHS-B96-0.17-2 (1.5)

Lab Sample ID: 180-35729-12

Date Collected: 08/12/14 16:00

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 92.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	**23**		2.4	0.14	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Iron	**21000**		9.7	0.86	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Lead	**22**		0.97	0.099	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Magnesium	**3000**		490	2.0	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Manganese	**550**		1.5	0.086	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Nickel	**24**	**B**	3.9	0.046	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Potassium	**650**		490	6.2	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Selenium	ND		0.97	0.26	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Silver	**0.070**	**J**	0.49	0.039	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Sodium	**46**	**J B**	490	1.0	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Thallium	**0.25**	**J**	1.9	0.14	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Vanadium	**13**		4.9	0.17	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1
Zinc	**62**	**B**	1.9	0.10	mg/Kg	☼	08/20/14 13:49	08/26/14 09:30	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.033**	**J**	0.035	0.012	mg/Kg	☼	08/19/14 09:31	08/19/14 15:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.0**		0.10	0.10	%			08/14/14 10:49	1
Percent Solids	**92**		0.10	0.10	%			08/14/14 10:49	1
Cyanide, Total	**1.2**		0.53	0.16	mg/Kg	☼	08/18/14 11:35	08/18/14 13:17	1

Client Sample ID: SSHS-B96-2-6 (4.5)

Lab Sample ID: 180-35729-13

Date Collected: 08/12/14 16:08

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 93.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**18**		18	4.6	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Benzene	ND		4.6	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Bromoform	ND		4.6	0.40	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Bromomethane	ND		4.6	0.68	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
2-Butanone (MEK)	ND		4.6	0.81	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Carbon disulfide	ND		4.6	0.47	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Carbon tetrachloride	ND		4.6	0.41	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Chlorobenzene	ND		4.6	0.69	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Chlorobromomethane	ND		4.6	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Chlorodibromomethane	ND		4.6	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Chloroethane	ND		4.6	1.4	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Chloroform	ND		4.6	0.54	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Chloromethane	ND		4.6	0.78	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
cis-1,2-Dichloroethene	ND		4.6	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
cis-1,3-Dichloropropene	ND		4.6	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Cyclohexane	ND		4.6	0.34	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
1,2-Dibromo-3-Chloropropane	ND		4.6	0.68	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
1,2-Dibromoethane	ND		4.6	0.79	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
1,2-Dichlorobenzene	ND		4.6	0.73	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
1,3-Dichlorobenzene	ND		4.6	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35729-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B96-2-6 (4.5) **Lab Sample ID: 180-35729-13**
Date Collected: 08/12/14 16:08 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 93.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		4.6	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Dichlorobromomethane	ND		4.6	0.51	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Dichlorodifluoromethane	ND		4.6	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
1,1-Dichloroethane	ND		4.6	0.53	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
1,2-Dichloroethane	ND		4.6	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
1,1-Dichloroethene	ND		4.6	0.78	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
1,2-Dichloropropane	ND		4.6	0.50	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
1,4-Dioxane	ND		910	250	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Ethylbenzene	ND		4.6	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
2-Hexanone	ND		4.6	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Isopropylbenzene	ND		4.6	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Methyl acetate	ND		4.6	0.82	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Methylcyclohexane	ND		4.6	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Methylene Chloride	ND		4.6	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Methyl tert-butyl ether	ND		4.6	0.68	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
m-Xylene & p-Xylene	ND		9.1	1.3	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
o-Xylene	ND		4.6	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Styrene	ND		4.6	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Tetrachloroethene	ND		4.6	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Toluene	ND		4.6	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
trans-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
trans-1,3-Dichloropropene	ND		4.6	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
1,2,3-Trichlorobenzene	ND		4.6	0.77	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
1,2,4-Trichlorobenzene	ND		4.6	0.81	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
1,1,1-Trichloroethane	ND		4.6	0.45	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
1,1,2-Trichloroethane	ND		4.6	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Trichloroethene	**2.3**	**J**	4.6	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Trichlorofluoromethane	ND		4.6	0.84	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	0.98	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1
Vinyl chloride	ND		4.6	0.43	ug/Kg	☼	08/15/14 04:00	08/15/14 09:27	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl Alcohol	*46*	*T J N*	*ug/Kg*	☼	*4.18*	*67-63-0*	*08/15/14 04:00*	*08/15/14 09:27*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*63 - 120*	*08/15/14 04:00*	*08/15/14 09:27*	*1*
Dibromofluoromethane (Surr)	*109*		*68 - 121*	*08/15/14 04:00*	*08/15/14 09:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*52 - 124*	*08/15/14 04:00*	*08/15/14 09:27*	*1*
Toluene-d8 (Surr)	*104*		*72 - 127*	*08/15/14 04:00*	*08/15/14 09:27*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	6.8	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Acenaphthylene	ND		71	8.1	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Acetophenone	ND		350	29	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Anthracene	ND		71	6.9	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Atrazine	ND		350	34	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B96-2-6 (4.5)

Date Collected: 08/12/14 16:08
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-13
Matrix: Solid
Percent Solids: 93.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		71	8.9	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Benzo[a]pyrene	**52**	**J**	71	7.1	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Benzo[b]fluoranthene	**51**	**J**	71	11	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Benzo[g,h,i]perylene	**120**		71	7.0	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Benzo[k]fluoranthene	ND		71	14	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Bis(2-chloroethyl)ether	ND		71	9.5	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Bis(2-ethylhexyl) phthalate	ND		710	57	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Carbazole	ND		71	6.5	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
2-Chloronaphthalene	ND		71	7.4	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Chrysene	ND		71	8.4	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Dibenz(a,h)anthracene	**83**		71	7.9	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
2,4-Dichlorophenol	ND		71	7.1	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
2,6-Dinitrotoluene	ND		350	36	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
1,4-Dioxane	ND		710	41	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Fluoranthene	**21**	**J**	71	7.6	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Fluorene	ND		71	9.3	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Hexachlorobenzene	ND		71	7.5	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Hexachlorobutadiene	ND		71	7.9	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Indeno[1,2,3-cd]pyrene	**72**		71	7.3	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Isophorone	ND		350	27	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
2-Methylnaphthalene	ND		71	6.4	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Naphthalene	ND		71	6.1	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Nitrobenzene	ND		710	29	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1

Client Sample ID: SSHS-B96-2-6 (4.5)

Date Collected: 08/12/14 16:08
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-13
Matrix: Solid
Percent Solids: 93.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
N-Nitrosodi-n-propylamine	ND		71	8.3	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
2,2'-oxybis[1-chloropropane]	ND		71	7.6	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Phenanthrene	**27**	**J**	71	11	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Phenol	ND		71	8.4	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
Pyrene	**23**	**J**	71	7.2	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/19/14 02:45	08/20/14 12:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*790*	*T J*	*ug/Kg*	☼	*11.94*		*08/19/14 02:45*	*08/20/14 12:53*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*12.35*		*08/19/14 02:45*	*08/20/14 12:53*	*1*
Unknown	*820*	*T J*	*ug/Kg*	☼	*12.75*		*08/19/14 02:45*	*08/20/14 12:53*	*1*
Unknown	*570*	*T J*	*ug/Kg*	☼	*13.17*		*08/19/14 02:45*	*08/20/14 12:53*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*13.32*		*08/19/14 02:45*	*08/20/14 12:53*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*13.94*		*08/19/14 02:45*	*08/20/14 12:53*	*1*
Unknown	*830*	*T J*	*ug/Kg*	☼	*14.37*		*08/19/14 02:45*	*08/20/14 12:53*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*15.01*		*08/19/14 02:45*	*08/20/14 12:53*	*1*
Unknown PAH	*330*	*T J*	*ug/Kg*	☼	*16.99*		*08/19/14 02:45*	*08/20/14 12:53*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*17.78*		*08/19/14 02:45*	*08/20/14 12:53*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*17.83*		*08/19/14 02:45*	*08/20/14 12:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*35 - 105*	*08/19/14 02:45*	*08/20/14 12:53*	*1*
2-Fluorophenol (Surr)	*67*		*39 - 103*	*08/19/14 02:45*	*08/20/14 12:53*	*1*
Nitrobenzene-d5 (Surr)	*70*		*25 - 104*	*08/19/14 02:45*	*08/20/14 12:53*	*1*
Phenol-d5 (Surr)	*89*		*25 - 105*	*08/19/14 02:45*	*08/20/14 12:53*	*1*
Terphenyl-d14 (Surr)	*106*		*25 - 127*	*08/19/14 02:45*	*08/20/14 12:53*	*1*
2,4,6-Tribromophenol (Surr)	*94*		*35 - 124*	*08/19/14 02:45*	*08/20/14 12:53*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B96-2-6 (4.5)

Date Collected: 08/12/14 16:08
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-13

Matrix: Solid
Percent Solids: 93.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1
Toxaphene	ND		72	12	ug/Kg	☼	08/20/14 06:05	08/20/14 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 130*	*08/20/14 06:05*	*08/20/14 21:39*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 130*	*08/20/14 06:05*	*08/20/14 21:39*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/20/14 06:05*	*08/20/14 21:39*	*1*
Tetrachloro-m-xylene	*75*		*45 - 130*	*08/20/14 06:05*	*08/20/14 21:39*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/20/14 06:05	08/22/14 10:33	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/20/14 06:05	08/22/14 10:33	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/20/14 06:05	08/22/14 10:33	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/20/14 06:05	08/22/14 10:33	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/20/14 06:05	08/22/14 10:33	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/20/14 06:05	08/22/14 10:33	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/20/14 06:05	08/22/14 10:33	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/20/14 06:05	08/22/14 10:33	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/20/14 06:05	08/22/14 10:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/20/14 06:05*	*08/22/14 10:33*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/20/14 06:05*	*08/22/14 11:05*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*45 - 135*	*08/20/14 06:05*	*08/22/14 10:33*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*45 - 135*	*08/20/14 06:05*	*08/22/14 11:05*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8000**		21	2.2	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Antimony	ND		1.0	0.21	mg/Kg	☼	08/20/14 13:49	08/27/14 19:12	1
Arsenic	**7.6**		1.0	0.32	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Barium	**57**	**B**	21	0.013	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Beryllium	**0.36**	**J**	0.41	0.012	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Cadmium	**0.054**	**J B**	0.52	0.015	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Calcium	**4000**	**B**	520	1.6	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Chromium	**13**		0.52	0.080	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Cobalt	**7.1**		5.2	0.043	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Copper	**21**		2.6	0.15	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Iron	**20000**		10	0.92	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Lead	**17**		1.0	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Magnesium	**2800**		520	2.1	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Manganese	**430**		1.6	0.092	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Nickel	**20**	**B**	4.1	0.049	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35729-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B96-2-6 (4.5) Lab Sample ID: 180-35729-13

Date Collected: 08/12/14 16:08 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 93.7**

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**540**		520	6.6	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Selenium	**0.53**	**J**	1.0	0.28	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Sodium	**78**	**J B**	520	1.1	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Thallium	**0.15**	**J**	2.1	0.15	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Vanadium	**14**		5.2	0.18	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1
Zinc	**59**	**B**	2.1	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 09:36	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.018**	**J**	0.035	0.011	mg/Kg	☼	08/19/14 09:31	08/19/14 15:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.3**		0.10	0.10	%			08/14/14 10:49	1
Percent Solids	**94**		0.10	0.10	%			08/14/14 10:49	1
Cyanide, Total	**1.4**		0.51	0.15	mg/Kg	☼	08/18/14 11:35	08/18/14 13:17	1

Client Sample ID: SSHS-B96-6-10 (9.5) Lab Sample ID: 180-35729-14

Date Collected: 08/12/14 16:15 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 88.5**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**51**		18	4.4	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Benzene	ND		4.4	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Bromoform	ND		4.4	0.39	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Bromomethane	ND		4.4	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
2-Butanone (MEK)	ND		4.4	0.78	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Carbon disulfide	ND		4.4	0.45	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Carbon tetrachloride	ND		4.4	0.39	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Chlorobenzene	ND		4.4	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Chlorobromomethane	ND		4.4	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Chlorodibromomethane	ND		4.4	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Chloroethane	ND		4.4	1.4	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Chloroform	ND		4.4	0.52	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Chloromethane	ND		4.4	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
cis-1,2-Dichloroethene	ND		4.4	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
cis-1,3-Dichloropropene	ND		4.4	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Cyclohexane	ND		4.4	0.33	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
1,2-Dibromo-3-Chloropropane	ND		4.4	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
1,2-Dibromoethane	ND		4.4	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
1,2-Dichlorobenzene	ND		4.4	0.70	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
1,3-Dichlorobenzene	ND		4.4	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
1,4-Dichlorobenzene	ND		4.4	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Dichlorobromomethane	ND		4.4	0.49	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Dichlorodifluoromethane	ND		4.4	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
1,1-Dichloroethane	ND		4.4	0.51	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
1,2-Dichloroethane	ND		4.4	0.54	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
1,1-Dichloroethene	ND		4.4	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1

Client Sample ID: SSHS-B96-6-10 (9.5)

Lab Sample ID: 180-35729-14

Date Collected: 08/12/14 16:15
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		4.4	0.48	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
1,4-Dioxane	ND		880	240	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Ethylbenzene	ND		4.4	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
2-Hexanone	ND		4.4	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Isopropylbenzene	ND		4.4	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Methyl acetate	ND		4.4	0.79	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Methylcyclohexane	ND		4.4	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Methylene Chloride	ND		4.4	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
4-Methyl-2-pentanone (MIBK)	ND		4.4	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Methyl tert-butyl ether	ND		4.4	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
m-Xylene & p-Xylene	ND		8.8	1.3	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
o-Xylene	ND		4.4	0.69	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Styrene	ND		4.4	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
1,1,2,2-Tetrachloroethane	ND		4.4	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Tetrachloroethene	ND		4.4	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Toluene	ND		4.4	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
trans-1,2-Dichloroethene	ND		4.4	0.53	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
trans-1,3-Dichloropropene	ND		4.4	0.53	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
1,2,3-Trichlorobenzene	ND		4.4	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
1,2,4-Trichlorobenzene	ND		4.4	0.78	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
1,1,1-Trichloroethane	ND		4.4	0.43	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
1,1,2-Trichloroethane	ND		4.4	0.73	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Trichloroethene	**2.3**	**J**	4.4	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Trichlorofluoromethane	ND		4.4	0.81	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.4	0.94	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1
Vinyl chloride	ND		4.4	0.41	ug/Kg	☼	08/15/14 04:00	08/15/14 09:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl Alcohol	*110*	*T J N*	*ug/Kg*	☼	*4.18*	*67-63-0*	*08/15/14 04:00*	*08/15/14 09:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/15/14 04:00*	*08/15/14 09:54*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/15/14 04:00*	*08/15/14 09:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*52 - 124*	*08/15/14 04:00*	*08/15/14 09:54*	*1*
Toluene-d8 (Surr)	*107*		*72 - 127*	*08/15/14 04:00*	*08/15/14 09:54*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	7.2	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Acenaphthylene	ND		76	8.6	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Acetophenone	ND		370	31	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Anthracene	ND		76	7.4	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Atrazine	ND		370	37	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Benzo[a]anthracene	ND		76	9.4	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Benzo[a]pyrene	ND		76	7.5	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Benzo[b]fluoranthene	ND		76	12	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Benzo[g,h,i]perylene	ND		76	7.5	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Benzo[k]fluoranthene	ND		76	15	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
1,1'-Biphenyl	ND		370	34	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1

Client Sample ID: SSHS-B96-6-10 (9.5) Lab Sample ID: 180-35729-14

Date Collected: 08/12/14 16:15 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 88.5**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Bis(2-chloroethyl)ether	ND		76	10	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Bis(2-ethylhexyl) phthalate	ND		760	61	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
4-Bromophenyl phenyl ether	ND		370	33	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Butyl benzyl phthalate	ND		370	52	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Carbazole	ND		76	6.9	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
4-Chloro-3-methylphenol	ND		370	35	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
2-Chloronaphthalene	ND		76	7.9	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
4-Chlorophenyl phenyl ether	ND		370	42	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Chrysene	ND		76	9.0	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Dibenz(a,h)anthracene	ND		76	8.4	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
3,3'-Dichlorobenzidine	ND		370	40	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
2,4-Dichlorophenol	ND		76	7.6	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
2,4-Dimethylphenol	ND		370	59	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Di-n-octyl phthalate	ND		370	40	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
1,4-Dioxane	ND		760	43	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Fluoranthene	**21**	**J**	76	8.1	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Fluorene	ND		76	9.9	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Hexachlorobenzene	ND		76	8.0	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Hexachlorobutadiene	ND		76	8.4	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Hexachlorocyclopentadiene	ND		370	41	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Indeno[1,2,3-cd]pyrene	ND		76	7.8	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Isophorone	ND		370	28	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
2-Methylnaphthalene	ND		76	6.8	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Naphthalene	ND		76	6.5	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
3-Nitroaniline	ND		1900	160	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Nitrobenzene	ND		760	31	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
2-Nitrophenol	ND		370	42	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
N-Nitrosodi-n-propylamine	ND		76	8.8	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
2,2'-oxybis[1-chloropropane]	ND		76	8.1	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Pentachlorophenol	ND		370	34	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1

Client Sample Results

Client Sample ID: SSHS-B96-6-10 (9.5)
Date Collected: 08/12/14 16:15
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-14
Matrix: Solid
Percent Solids: 88.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		76	12	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Phenol	ND		76	8.9	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
Pyrene	**20**	**J**	76	7.6	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
1,2,4,5-Tetrachlorobenzene	ND		370	29	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/19/14 02:45	08/19/14 20:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*210*	*T J*	*ug/Kg*	☼	*12.73*		*08/19/14 02:45*	*08/19/14 20:56*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*13.15*		*08/19/14 02:45*	*08/19/14 20:56*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*14.34*		*08/19/14 02:45*	*08/19/14 20:56*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*17.69*		*08/19/14 02:45*	*08/19/14 20:56*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*18.07*		*08/19/14 02:45*	*08/19/14 20:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*35 - 105*	*08/19/14 02:45*	*08/19/14 20:56*	*1*
2-Fluorophenol (Surr)	*51*		*39 - 103*	*08/19/14 02:45*	*08/19/14 20:56*	*1*
Nitrobenzene-d5 (Surr)	*58*		*25 - 104*	*08/19/14 02:45*	*08/19/14 20:56*	*1*
Phenol-d5 (Surr)	*57*		*25 - 105*	*08/19/14 02:45*	*08/19/14 20:56*	*1*
Terphenyl-d14 (Surr)	*57*		*25 - 127*	*08/19/14 02:45*	*08/19/14 20:56*	*1*
2,4,6-Tribromophenol (Surr)	*50*		*35 - 124*	*08/19/14 02:45*	*08/19/14 20:56*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
alpha-BHC	ND		1.9	0.31	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
beta-BHC	ND		1.9	0.49	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
4,4'-DDD	ND		1.9	0.25	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
Endosulfan sulfate	ND		1.9	0.20	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
Endrin	ND		1.9	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
Endrin aldehyde	ND		1.9	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
gamma-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
Heptachlor epoxide	ND		1.9	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1
Toxaphene	ND		76	13	ug/Kg	☼	08/20/14 06:05	08/20/14 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 130*	*08/20/14 06:05*	*08/20/14 21:55*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 130*	*08/20/14 06:05*	*08/20/14 21:55*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B96-6-10 (9.5)

Date Collected: 08/12/14 16:15
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-14
Matrix: Solid
Percent Solids: 88.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*45 - 130*	*08/20/14 06:05*	*08/20/14 21:55*	*1*
Tetrachloro-m-xylene	*78*		*45 - 130*	*08/20/14 06:05*	*08/20/14 21:55*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/20/14 06:05	08/22/14 11:05	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/20/14 06:05	08/22/14 11:05	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/20/14 06:05	08/22/14 11:05	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/20/14 06:05	08/22/14 11:05	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/20/14 06:05	08/22/14 11:05	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/20/14 06:05	08/22/14 11:05	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/20/14 06:05	08/22/14 11:05	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/20/14 06:05	08/22/14 11:05	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/20/14 06:05	08/22/14 11:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/20/14 06:05*	*08/22/14 11:05*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/20/14 06:05*	*08/22/14 11:36*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*	*08/20/14 06:05*	*08/22/14 11:05*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*	*08/20/14 06:05*	*08/22/14 11:36*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		22	2.3	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 13:49	08/27/14 19:17	1
Arsenic	**6.8**		1.1	0.33	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Barium	**120**	**B**	22	0.014	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Beryllium	**0.44**		0.43	0.012	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Cadmium	**0.074**	**J B**	0.54	0.016	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Calcium	**2600**	**B**	540	1.6	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Chromium	**19**		0.54	0.084	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Cobalt	**7.7**		5.4	0.045	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Copper	**21**		2.7	0.16	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Iron	**21000**		11	0.96	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Lead	**16**		1.1	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Magnesium	**2600**		540	2.2	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Manganese	**770**		1.6	0.097	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Nickel	**23**	**B**	4.3	0.052	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Potassium	**610**		540	6.9	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Selenium	**0.45**	**J**	1.1	0.29	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Silver	ND		0.54	0.044	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Sodium	**80**	**J B**	540	1.2	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Thallium	**0.45**	**J**	2.2	0.16	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Vanadium	**13**		5.4	0.19	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1
Zinc	**61**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 09:41	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.020**	**J**	0.037	0.012	mg/Kg	☼	08/19/14 09:31	08/19/14 15:23	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35729-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B96-6-10 (9.5)

Lab Sample ID: 180-35729-14

Date Collected: 08/12/14 16:15
Matrix: Solid
Date Received: 08/13/14 12:37

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			08/14/14 10:49	1
Percent Solids	**89**		0.10	0.10	%			08/14/14 10:49	1
Cyanide, Total	**0.29**	**J**	0.56	0.17	mg/Kg	☼	08/18/14 11:35	08/18/14 13:17	1

Client Sample ID: SSHS-B96-10-15.5 (12.5)

Lab Sample ID: 180-35729-15

Date Collected: 08/12/14 16:20
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 93.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**17**		17	4.2	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Benzene	ND		4.2	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Bromoform	ND		4.2	0.37	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Bromomethane	ND		4.2	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
2-Butanone (MEK)	ND		4.2	0.73	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Carbon disulfide	ND		4.2	0.43	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Carbon tetrachloride	ND		4.2	0.37	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Chlorobenzene	ND		4.2	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Chlorobromomethane	ND		4.2	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Chlorodibromomethane	ND		4.2	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Chloroethane	ND		4.2	1.3	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Chloroform	ND		4.2	0.49	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Chloromethane	ND		4.2	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
cis-1,2-Dichloroethene	ND		4.2	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
cis-1,3-Dichloropropene	ND		4.2	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Cyclohexane	ND		4.2	0.31	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
1,2-Dibromo-3-Chloropropane	ND		4.2	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
1,2-Dibromoethane	ND		4.2	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
1,2-Dichlorobenzene	ND		4.2	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
1,3-Dichlorobenzene	ND		4.2	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
1,4-Dichlorobenzene	ND		4.2	0.53	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Dichlorobromomethane	ND		4.2	0.47	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Dichlorodifluoromethane	ND		4.2	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
1,1-Dichloroethane	ND		4.2	0.48	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
1,2-Dichloroethane	ND		4.2	0.51	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
1,1-Dichloroethene	ND		4.2	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
1,2-Dichloropropane	ND		4.2	0.45	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
1,4-Dioxane	ND		830	230	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Ethylbenzene	ND		4.2	0.54	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
2-Hexanone	ND		4.2	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Isopropylbenzene	ND		4.2	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Methyl acetate	ND		4.2	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Methylcyclohexane	ND		4.2	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Methylene Chloride	ND		4.2	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.54	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Methyl tert-butyl ether	ND		4.2	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
m-Xylene & p-Xylene	ND		8.3	1.2	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
o-Xylene	ND		4.2	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Styrene	ND		4.2	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B96-10-15.5 (12.5)
Date Collected: 08/12/14 16:20
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-15
Matrix: Solid
Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		4.2	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Toluene	ND		4.2	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
trans-1,2-Dichloroethene	ND		4.2	0.50	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
trans-1,3-Dichloropropene	ND		4.2	0.50	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
1,2,3-Trichlorobenzene	ND		4.2	0.70	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
1,2,4-Trichlorobenzene	ND		4.2	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
1,1,1-Trichloroethane	ND		4.2	0.41	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
1,1,2-Trichloroethane	ND		4.2	0.69	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Trichloroethene	**1.6**	**J**	4.2	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Trichlorofluoromethane	ND		4.2	0.77	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.89	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1
Vinyl chloride	ND		4.2	0.39	ug/Kg	☼	08/15/14 04:00	08/15/14 10:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl Alcohol	*27*	*T J N*	*ug/Kg*	☼	*4.16*	*67-63-0*	*08/15/14 04:00*	*08/15/14 10:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/15/14 04:00*	*08/15/14 10:16*	*1*
Dibromofluoromethane (Surr)	*105*		*68 - 121*	*08/15/14 04:00*	*08/15/14 10:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*52 - 124*	*08/15/14 04:00*	*08/15/14 10:16*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/15/14 04:00*	*08/15/14 10:16*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	6.8	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Acenaphthylene	ND		72	8.2	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Acetophenone	ND		350	29	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Anthracene	**13**	**J**	72	7.0	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Atrazine	ND		350	35	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Benzo[a]anthracene	**25**	**J**	72	8.9	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Benzo[a]pyrene	**34**	**J**	72	7.1	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Benzo[b]fluoranthene	**22**	**J**	72	11	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Benzo[g,h,i]perylene	**65**	**J**	72	7.1	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Benzo[k]fluoranthene	**22**	**J**	72	14	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Bis(2-chloroethyl)ether	ND		72	9.6	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Butyl benzyl phthalate	ND		350	49	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Carbazole	ND		72	6.6	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
4-Chloroaniline	ND		350	29	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
2-Chloronaphthalene	ND		72	7.4	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
4-Chlorophenyl phenyl ether	ND		350	40	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Chrysene	**32**	**J**	72	8.5	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Dibenz(a,h)anthracene	**37**	**J**	72	7.9	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B96-10-15.5 (12.5)
Date Collected: 08/12/14 16:20
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-15
Matrix: Solid
Percent Solids: 93.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		350	35	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
3,3'-Dichlorobenzidine	ND		350	38	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
2,4-Dichlorophenol	ND		72	7.1	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
2,4-Dimethylphenol	ND		350	56	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Di-n-butyl phthalate	ND		350	45	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Di-n-octyl phthalate	ND		350	38	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Fluoranthene	**51**	**J**	72	7.6	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Fluorene	ND		72	9.4	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Hexachlorobenzene	ND		72	7.6	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Hexachloroethane	ND		350	26	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Indeno[1,2,3-cd]pyrene	**33**	**J**	72	7.3	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Isophorone	ND		350	27	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
2-Methylnaphthalene	ND		72	6.4	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Naphthalene	ND		72	6.1	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
2,2'-oxybis[1-chloropropane]	ND		72	7.7	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Phenanthrene	**51**	**J**	72	11	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Phenol	ND		72	8.4	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
Pyrene	**40**	**J**	72	7.2	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/19/14 02:45	08/19/14 21:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*250*	*T J*	*ug/Kg*	☼	*10.74*		*08/19/14 02:45*	*08/19/14 21:24*	*1*
Unknown	*990*	*T J*	*ug/Kg*	☼	*11.93*		*08/19/14 02:45*	*08/19/14 21:24*	*1*
Unknown	*550*	*T J*	*ug/Kg*	☼	*12.74*		*08/19/14 02:45*	*08/19/14 21:24*	*1*
Unknown	*470*	*T J*	*ug/Kg*	☼	*13.16*		*08/19/14 02:45*	*08/19/14 21:24*	*1*
Unknown	*940*	*T J*	*ug/Kg*	☼	*13.31*		*08/19/14 02:45*	*08/19/14 21:24*	*1*
Unknown	*1500*	*T J*	*ug/Kg*	☼	*13.36*		*08/19/14 02:45*	*08/19/14 21:24*	*1*

Client Sample Results

Client Sample ID: SSHS-B96-10-15.5 (12.5)
Date Collected: 08/12/14 16:20
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-15
Matrix: Solid
Percent Solids: 93.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*150*	*T J*	*ug/Kg*	☼	*13.92*		*08/19/14 02:45*	*08/19/14 21:24*	*1*
Unknown	*750*	*T J*	*ug/Kg*	☼	*14.35*		*08/19/14 02:45*	*08/19/14 21:24*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*15.01*		*08/19/14 02:45*	*08/19/14 21:24*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*16.14*		*08/19/14 02:45*	*08/19/14 21:24*	*1*
Unknown	*560*	*T J*	*ug/Kg*	☼	*16.19*		*08/19/14 02:45*	*08/19/14 21:24*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*18.07*		*08/19/14 02:45*	*08/19/14 21:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*35 - 105*	*08/19/14 02:45*	*08/19/14 21:24*	*1*
2-Fluorophenol (Surr)	*61*		*39 - 103*	*08/19/14 02:45*	*08/19/14 21:24*	*1*
Nitrobenzene-d5 (Surr)	*63*		*25 - 104*	*08/19/14 02:45*	*08/19/14 21:24*	*1*
Phenol-d5 (Surr)	*61*		*25 - 105*	*08/19/14 02:45*	*08/19/14 21:24*	*1*
Terphenyl-d14 (Surr)	*57*		*25 - 127*	*08/19/14 02:45*	*08/19/14 21:24*	*1*
2,4,6-Tribromophenol (Surr)	*50*		*35 - 124*	*08/19/14 02:45*	*08/19/14 21:24*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1
Toxaphene	ND		71	12	ug/Kg	☼	08/20/14 06:05	08/20/14 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 130*	*08/20/14 06:05*	*08/20/14 22:10*	*1*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 130*	*08/20/14 06:05*	*08/20/14 22:10*	*1*
Tetrachloro-m-xylene	*77*		*45 - 130*	*08/20/14 06:05*	*08/20/14 22:10*	*1*
Tetrachloro-m-xylene	*72*		*45 - 130*	*08/20/14 06:05*	*08/20/14 22:10*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/20/14 06:05	08/22/14 11:36	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/20/14 06:05	08/22/14 11:36	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/20/14 06:05	08/22/14 11:36	1

Client Sample ID: SSHS-B96-10-15.5 (12.5)

Lab Sample ID: 180-35729-15

Date Collected: 08/12/14 16:20

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 93.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		18	2.9	ug/Kg	☼	08/20/14 06:05	08/22/14 11:36	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/20/14 06:05	08/22/14 11:36	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/20/14 06:05	08/22/14 11:36	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/20/14 06:05	08/22/14 11:36	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/20/14 06:05	08/22/14 11:36	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/20/14 06:05	08/22/14 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 125*	*08/20/14 06:05*	*08/22/14 11:36*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/20/14 06:05*	*08/22/14 12:08*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*	*08/20/14 06:05*	*08/22/14 11:36*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*45 - 135*	*08/20/14 06:05*	*08/22/14 12:08*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8300**		21	2.2	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Antimony	ND		1.1	0.21	mg/Kg	☼	08/20/14 13:49	08/27/14 19:33	1
Arsenic	**8.0**		1.1	0.32	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Barium	**66**	**B**	21	0.014	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Beryllium	**0.35**	**J**	0.42	0.012	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Cadmium	**0.048**	**J B**	0.53	0.015	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Calcium	**2400**	**B**	530	1.6	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Chromium	**15**		0.53	0.082	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Cobalt	**7.1**		5.3	0.044	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Copper	**30**		2.6	0.15	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Iron	**20000**		11	0.94	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Lead	**13**		1.1	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Magnesium	**2500**		530	2.2	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Manganese	**540**		1.6	0.094	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Nickel	**18**	**B**	4.2	0.050	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Potassium	**610**		530	6.8	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Selenium	ND		1.1	0.28	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Silver	ND		0.53	0.043	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Sodium	**52**	**J B**	530	1.1	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Thallium	**0.19**	**J**	2.1	0.16	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Vanadium	**12**		5.3	0.18	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1
Zinc	**57**	**B**	2.1	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 09:56	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.011	mg/Kg	☼	08/19/14 09:31	08/19/14 15:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.4**		0.10	0.10	%			08/14/14 10:49	1
Percent Solids	**94**		0.10	0.10	%			08/14/14 10:49	1
Cyanide, Total	**0.21**	**J**	0.54	0.16	mg/Kg	☼	08/18/14 11:35	08/18/14 13:17	1

Client Sample Results

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

Client Sample ID: SSHS-B93-SS
Date Collected: 08/12/14 13:30
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-16
Matrix: Solid
Percent Solids: 72.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		23	5.6	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Benzene	ND		5.6	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Bromoform	ND		5.6	0.50	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Bromomethane	ND		5.6	0.83	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
2-Butanone (MEK)	ND		5.6	0.99	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Carbon disulfide	ND		5.6	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Carbon tetrachloride	ND		5.6	0.50	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Chlorobenzene	ND		5.6	0.85	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Chlorobromomethane	ND		5.6	0.77	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Chlorodibromomethane	ND		5.6	0.80	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Chloroethane	ND		5.6	1.7	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Chloroform	ND		5.6	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Chloromethane	ND		5.6	0.96	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
cis-1,2-Dichloroethene	ND		5.6	0.79	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
cis-1,3-Dichloropropene	ND		5.6	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Cyclohexane	ND		5.6	0.42	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
1,2-Dibromo-3-Chloropropane	ND		5.6	0.84	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
1,2-Dibromoethane	ND		5.6	0.97	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
1,2-Dichlorobenzene	ND		5.6	0.90	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
1,3-Dichlorobenzene	ND		5.6	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
1,4-Dichlorobenzene	ND		5.6	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Dichlorobromomethane	ND		5.6	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Dichlorodifluoromethane	ND		5.6	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
1,1-Dichloroethane	ND		5.6	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
1,2-Dichloroethane	ND		5.6	0.69	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
1,1-Dichloroethene	ND		5.6	0.96	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
1,2-Dichloropropane	ND		5.6	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
1,4-Dioxane	ND		1100	310	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Ethylbenzene	ND		5.6	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
2-Hexanone	ND		5.6	0.78	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Isopropylbenzene	ND		5.6	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Methyl acetate	ND		5.6	1.0	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Methylcyclohexane	ND		5.6	0.82	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Methylene Chloride	ND		5.6	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.6	0.73	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Methyl tert-butyl ether	ND		5.6	0.84	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
m-Xylene & p-Xylene	ND		11	1.7	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
o-Xylene	ND		5.6	0.88	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Styrene	ND		5.6	0.79	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
1,1,2,2-Tetrachloroethane	ND		5.6	0.81	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Tetrachloroethene	ND		5.6	0.77	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Toluene	ND		5.6	0.82	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
trans-1,2-Dichloroethene	ND		5.6	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
trans-1,3-Dichloropropene	ND		5.6	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
1,2,3-Trichlorobenzene	ND		5.6	0.95	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
1,2,4-Trichlorobenzene	ND		5.6	0.99	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
1,1,1-Trichloroethane	ND		5.6	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
1,1,2-Trichloroethane	ND		5.6	0.94	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Trichloroethene	ND		5.6	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35729-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B93-SS
Lab Sample ID: 180-35729-16
Date Collected: 08/12/14 13:30
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 72.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		5.6	1.0	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.2	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1
Vinyl chloride	ND		5.6	0.53	ug/Kg	☼	08/15/14 04:00	08/15/14 10:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 04:00*	*08/15/14 10:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*	*08/15/14 04:00*	*08/15/14 10:39*	*1*
Dibromofluoromethane (Surr)	*103*		*68 - 121*	*08/15/14 04:00*	*08/15/14 10:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*52 - 124*	*08/15/14 04:00*	*08/15/14 10:39*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/15/14 04:00*	*08/15/14 10:39*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		91	8.7	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Acenaphthylene	ND		91	10	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Acetophenone	ND		450	37	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Anthracene	**11**	**J**	91	8.8	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Atrazine	ND		450	44	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Benzaldehyde	ND		450	68	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Benzo[a]anthracene	**68**	**J**	91	11	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Benzo[a]pyrene	**71**	**J**	91	9.0	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Benzo[b]fluoranthene	**96**		91	14	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Benzo[g,h,i]perylene	**64**	**J**	91	9.0	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Benzo[k]fluoranthene	**39**	**J**	91	18	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
1,1'-Biphenyl	ND		450	40	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Bis(2-chloroethoxy)methane	ND		450	30	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Bis(2-chloroethyl)ether	ND		91	12	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Bis(2-ethylhexyl) phthalate	ND		910	73	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
4-Bromophenyl phenyl ether	ND		450	39	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Butyl benzyl phthalate	ND		450	62	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Caprolactam	ND		2300	340	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Carbazole	ND		91	8.3	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
4-Chloroaniline	ND		450	36	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
4-Chloro-3-methylphenol	ND		450	42	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
2-Chloronaphthalene	ND		91	9.4	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
2-Chlorophenol	ND		450	37	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
4-Chlorophenyl phenyl ether	ND		450	50	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Chrysene	**77**	**J**	91	11	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Dibenz(a,h)anthracene	**17**	**J**	91	10	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Dibenzofuran	ND		450	44	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
3,3'-Dichlorobenzidine	ND		450	48	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
2,4-Dichlorophenol	ND		91	9.1	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Diethyl phthalate	ND		450	49	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
2,4-Dimethylphenol	ND		450	71	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Dimethyl phthalate	ND		450	49	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Di-n-butyl phthalate	ND		450	57	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
4,6-Dinitro-2-methylphenol	ND		2300	180	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
2,4-Dinitrophenol	ND		2300	540	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1

Client Sample ID: SSHS-B93-SS
Date Collected: 08/12/14 13:30
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-16
Matrix: Solid
Percent Solids: 72.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		450	36	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
2,6-Dinitrotoluene	ND		450	47	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Di-n-octyl phthalate	ND		450	48	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
1,4-Dioxane	ND		910	52	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Fluoranthene	**140**		91	9.7	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Fluorene	ND		91	12	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Hexachlorobenzene	ND		91	9.6	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Hexachlorobutadiene	ND		91	10	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Hexachlorocyclopentadiene	ND		450	49	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Hexachloroethane	ND		450	32	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Indeno[1,2,3-cd]pyrene	**55**	**J**	91	9.3	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Isophorone	ND		450	34	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
2-Methylnaphthalene	ND		91	8.1	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
2-Methylphenol	ND		450	32	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Methylphenol, 3 & 4	ND		450	44	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Naphthalene	ND		91	7.8	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
2-Nitroaniline	ND		2300	200	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
3-Nitroaniline	ND		2300	190	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
4-Nitroaniline	ND		2300	180	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Nitrobenzene	ND		910	38	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
2-Nitrophenol	ND		450	50	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
4-Nitrophenol	ND		2300	160	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
N-Nitrosodi-n-propylamine	ND		91	11	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
N-Nitrosodiphenylamine	ND		450	42	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
2,2'-oxybis[1-chloropropane]	ND		91	9.7	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Pentachlorophenol	ND		450	40	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Phenanthrene	**49**	**J**	91	14	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Phenol	ND		91	11	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
Pyrene	**110**		91	9.1	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
1,2,4,5-Tetrachlorobenzene	ND		450	34	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
2,3,4,6-Tetrachlorophenol	ND		450	29	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
2,4,5-Trichlorophenol	ND		450	48	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1
2,4,6-Trichlorophenol	ND		450	68	ug/Kg	☼	08/19/14 02:45	08/19/14 21:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*270*	*T J*	*ug/Kg*	☼	*10.72*		*08/19/14 02:45*	*08/19/14 21:52*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*10.74*		*08/19/14 02:45*	*08/19/14 21:52*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*11.41*		*08/19/14 02:45*	*08/19/14 21:52*	*1*
Unknown	*2400*	*T J*	*ug/Kg*	☼	*11.92*		*08/19/14 02:45*	*08/19/14 21:52*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*12.39*		*08/19/14 02:45*	*08/19/14 21:52*	*1*
Unknown	*1400*	*T J*	*ug/Kg*	☼	*12.74*		*08/19/14 02:45*	*08/19/14 21:52*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*13.17*		*08/19/14 02:45*	*08/19/14 21:52*	*1*
Unknown	*2300*	*T J*	*ug/Kg*	☼	*13.32*		*08/19/14 02:45*	*08/19/14 21:52*	*1*
Unknown	*3300*	*T J*	*ug/Kg*	☼	*13.36*		*08/19/14 02:45*	*08/19/14 21:52*	*1*
Unknown	*680*	*T J*	*ug/Kg*	☼	*13.92*		*08/19/14 02:45*	*08/19/14 21:52*	*1*
Unknown	*1900*	*T J*	*ug/Kg*	☼	*14.36*		*08/19/14 02:45*	*08/19/14 21:52*	*1*
Unknown	*550*	*T J*	*ug/Kg*	☼	*14.96*		*08/19/14 02:45*	*08/19/14 21:52*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*15.01*		*08/19/14 02:45*	*08/19/14 21:52*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*15.23*		*08/19/14 02:45*	*08/19/14 21:52*	*1*
Unknown	*500*	*T J*	*ug/Kg*	☼	*15.72*		*08/19/14 02:45*	*08/19/14 21:52*	*1*

Client Sample ID: SSHS-B93-SS
Lab Sample ID: 180-35729-16
Date Collected: 08/12/14 13:30
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 72.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	230	T J	ug/Kg	☼	16.09		08/19/14 02:45	08/19/14 21:52	1
Unknown	1500	T J	ug/Kg	☼	16.19		08/19/14 02:45	08/19/14 21:52	1
Unknown	3300	T J	ug/Kg	☼	16.23		08/19/14 02:45	08/19/14 21:52	1
Unknown	3300	T J	ug/Kg	☼	16.68		08/19/14 02:45	08/19/14 21:52	1
Unknown	680	T J	ug/Kg	☼	17.71		08/19/14 02:45	08/19/14 21:52	1
Unknown	2500	T J	ug/Kg	☼	18.09		08/19/14 02:45	08/19/14 21:52	1
Unknown	710	T J	ug/Kg	☼	19.22		08/19/14 02:45	08/19/14 21:52	1
Unknown	420	T J	ug/Kg	☼	19.64		08/19/14 02:45	08/19/14 21:52	1
Unknown	290	T J	ug/Kg	☼	19.75		08/19/14 02:45	08/19/14 21:52	1
Unknown	250	T J	ug/Kg	☼	20.29		08/19/14 02:45	08/19/14 21:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	50		35 - 105	08/19/14 02:45	08/19/14 21:52	1
2-Fluorophenol (Surr)	52		39 - 103	08/19/14 02:45	08/19/14 21:52	1
Nitrobenzene-d5 (Surr)	56		25 - 104	08/19/14 02:45	08/19/14 21:52	1
Phenol-d5 (Surr)	57		25 - 105	08/19/14 02:45	08/19/14 21:52	1
Terphenyl-d14 (Surr)	54		25 - 127	08/19/14 02:45	08/19/14 21:52	1
2,4,6-Tribromophenol (Surr)	48		35 - 124	08/19/14 02:45	08/19/14 21:52	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.3	0.41	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
alpha-BHC	ND		2.3	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
alpha-Chlordane	ND		2.3	0.45	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
beta-BHC	ND		2.3	0.59	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
4,4'-DDD	ND		2.3	0.30	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
4,4'-DDE	ND		2.3	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
4,4'-DDT	ND		2.3	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
delta-BHC	ND		2.3	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
Dieldrin	ND		2.3	0.38	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
Endosulfan I	ND		2.3	0.43	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
Endosulfan II	ND		2.3	0.40	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
Endosulfan sulfate	ND		2.3	0.24	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
Endrin	ND		2.3	0.44	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
Endrin aldehyde	ND		2.3	0.44	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
Endrin ketone	ND		2.3	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
gamma-BHC (Lindane)	ND		2.3	0.40	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
gamma-Chlordane	ND		2.3	0.45	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
Heptachlor	ND		2.3	0.51	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
Heptachlor epoxide	ND		2.3	0.45	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
Methoxychlor	ND		4.5	0.48	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1
Toxaphene	ND		92	15	ug/Kg	☼	08/20/14 06:05	08/20/14 23:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	69		45 - 130	08/20/14 06:05	08/20/14 23:28	1
DCB Decachlorobiphenyl (Surr)	68		45 - 130	08/20/14 06:05	08/20/14 23:28	1
Tetrachloro-m-xylene	82		45 - 130	08/20/14 06:05	08/20/14 23:28	1
Tetrachloro-m-xylene	77		45 - 130	08/20/14 06:05	08/20/14 23:28	1

Client Sample ID: SSHS-B93-SS
Date Collected: 08/12/14 13:30
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-16
Matrix: Solid
Percent Solids: 72.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		23	3.4	ug/Kg	☼	08/20/14 06:05	08/22/14 12:08	1
PCB-1221	ND		23	4.4	ug/Kg	☼	08/20/14 06:05	08/22/14 12:08	1
PCB-1232	ND		23	3.9	ug/Kg	☼	08/20/14 06:05	08/22/14 12:08	1
PCB-1242	ND		23	3.7	ug/Kg	☼	08/20/14 06:05	08/22/14 12:08	1
PCB-1248	ND		23	2.2	ug/Kg	☼	08/20/14 06:05	08/22/14 12:08	1
PCB-1254	ND		23	3.3	ug/Kg	☼	08/20/14 06:05	08/22/14 12:08	1
PCB-1260	ND		23	3.3	ug/Kg	☼	08/20/14 06:05	08/22/14 12:08	1
PCB-1262	ND		23	5.0	ug/Kg	☼	08/20/14 06:05	08/22/14 12:08	1
PCB-1268	ND		23	2.9	ug/Kg	☼	08/20/14 06:05	08/22/14 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 125*	*08/20/14 06:05*	*08/22/14 12:08*	*1*
DCB Decachlorobiphenyl (Surr)	*65*		*45 - 125*	*08/20/14 06:05*	*08/22/14 12:39*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*	*08/20/14 06:05*	*08/22/14 12:08*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*	*08/20/14 06:05*	*08/22/14 12:39*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9700**		25	2.6	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Antimony	ND		1.2	0.24	mg/Kg	☼	08/20/14 13:49	08/27/14 19:39	1
Arsenic	**7.4**		1.2	0.37	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Barium	**94**	**B**	25	0.016	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Beryllium	**0.50**		0.49	0.014	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Cadmium	**0.12**	**J B**	0.61	0.018	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Calcium	**2200**	**B**	610	1.8	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Chromium	**13**		0.61	0.095	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Cobalt	**8.5**		6.1	0.051	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Copper	**16**		3.1	0.18	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Iron	**20000**		12	1.1	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Lead	**18**		1.2	0.13	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Magnesium	**2700**		610	2.5	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Manganese	**460**		1.8	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Nickel	**20**	**B**	4.9	0.058	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Potassium	**710**		610	7.8	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Selenium	ND		1.2	0.33	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Silver	ND		0.61	0.049	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Sodium	**32**	**J B**	610	1.3	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Thallium	**0.21**	**J**	2.5	0.18	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Vanadium	**12**		6.1	0.21	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1
Zinc	**59**	**B**	2.5	0.13	mg/Kg	☼	08/20/14 13:49	08/26/14 10:01	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**	**J**	0.044	0.014	mg/Kg	☼	08/19/14 09:31	08/19/14 15:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**27**		0.10	0.10	%			08/14/14 10:49	1
Percent Solids	**73**		0.10	0.10	%			08/14/14 10:49	1
Cyanide, Total	**0.23**	**J**	0.70	0.21	mg/Kg	☼	08/18/14 11:35	08/18/14 13:32	1

Client Sample Results

Client Sample ID: SSHS-B93-0.17-2 (1.5)

Lab Sample ID: 180-35729-17

Date Collected: 08/12/14 13:34
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 85.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.5	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Benzene	ND		4.5	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Bromoform	ND		4.5	0.40	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Bromomethane	ND		4.5	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
2-Butanone (MEK)	ND		4.5	0.79	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Carbon disulfide	ND		4.5	0.46	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Carbon tetrachloride	ND		4.5	0.40	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Chlorobenzene	ND		4.5	0.68	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Chlorobromomethane	ND		4.5	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Chlorodibromomethane	ND		4.5	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Chloroethane	ND		4.5	1.4	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Chloroform	ND		4.5	0.53	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Chloromethane	ND		4.5	0.77	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
cis-1,2-Dichloroethene	ND		4.5	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
cis-1,3-Dichloropropene	ND		4.5	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Cyclohexane	ND		4.5	0.33	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
1,2-Dibromo-3-Chloropropane	ND		4.5	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
1,2-Dibromoethane	ND		4.5	0.78	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
1,2-Dichlorobenzene	ND		4.5	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
1,3-Dichlorobenzene	ND		4.5	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
1,4-Dichlorobenzene	ND		4.5	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Dichlorobromomethane	ND		4.5	0.51	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Dichlorodifluoromethane	ND		4.5	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
1,1-Dichloroethane	ND		4.5	0.52	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
1,2-Dichloroethane	ND		4.5	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
1,1-Dichloroethene	ND		4.5	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
1,2-Dichloropropane	ND		4.5	0.49	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
1,4-Dioxane	ND		900	250	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Ethylbenzene	ND		4.5	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
2-Hexanone	ND		4.5	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Isopropylbenzene	ND		4.5	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Methyl acetate	ND		4.5	0.81	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Methylcyclohexane	ND		4.5	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Methylene Chloride	ND		4.5	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
4-Methyl-2-pentanone (MIBK)	ND		4.5	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Methyl tert-butyl ether	ND		4.5	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
m-Xylene & p-Xylene	ND		9.0	1.3	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
o-Xylene	ND		4.5	0.70	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Styrene	ND		4.5	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
1,1,2,2-Tetrachloroethane	ND		4.5	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Tetrachloroethene	ND		4.5	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Toluene	ND		4.5	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
trans-1,2-Dichloroethene	ND		4.5	0.54	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
1,2,3-Trichlorobenzene	ND		4.5	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
1,2,4-Trichlorobenzene	ND		4.5	0.79	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
1,1,1-Trichloroethane	ND		4.5	0.44	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
1,1,2-Trichloroethane	ND		4.5	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Trichloroethene	ND		4.5	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B93-0.17-2 (1.5)

Date Collected: 08/12/14 13:34
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-17

Matrix: Solid
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.5	0.83	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	0.96	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1
Vinyl chloride	ND		4.5	0.42	ug/Kg	☼	08/15/14 04:00	08/15/14 11:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 04:00*	*08/15/14 11:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*63 - 120*	*08/15/14 04:00*	*08/15/14 11:04*	*1*
Dibromofluoromethane (Surr)	*116*		*68 - 121*	*08/15/14 04:00*	*08/15/14 11:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*129*	*X*	*52 - 124*	*08/15/14 04:00*	*08/15/14 11:04*	*1*
Toluene-d8 (Surr)	*98*		*72 - 127*	*08/15/14 04:00*	*08/15/14 11:04*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**57**	**J**	78	7.5	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Acenaphthylene	**34**	**J**	78	8.9	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Acetophenone	ND		390	32	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Anthracene	**110**		78	7.6	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Atrazine	ND		390	38	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Benzaldehyde	ND		390	59	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Benzo[a]anthracene	**320**		78	9.8	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Benzo[a]pyrene	**320**		78	7.8	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Benzo[b]fluoranthene	**410**		78	12	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Benzo[g,h,i]perylene	**260**		78	7.8	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Benzo[k]fluoranthene	**120**		78	16	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
1,1'-Biphenyl	ND		390	35	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Bis(2-chloroethoxy)methane	ND		390	26	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Bis(2-chloroethyl)ether	ND		78	10	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Bis(2-ethylhexyl) phthalate	ND		780	63	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
4-Bromophenyl phenyl ether	ND		390	34	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Butyl benzyl phthalate	ND		390	53	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Caprolactam	ND		2000	290	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Carbazole	**50**	**J**	78	7.2	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
4-Chloroaniline	ND		390	31	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
4-Chloro-3-methylphenol	ND		390	36	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
2-Chloronaphthalene	ND		78	8.1	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
2-Chlorophenol	ND		390	32	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
4-Chlorophenyl phenyl ether	ND		390	43	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Chrysene	**300**		78	9.3	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Dibenz(a,h)anthracene	**68**	**J**	78	8.7	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Dibenzofuran	ND		390	38	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
3,3'-Dichlorobenzidine	ND		390	41	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
2,4-Dichlorophenol	ND		78	7.8	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Diethyl phthalate	ND		390	43	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
2,4-Dimethylphenol	ND		390	61	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Dimethyl phthalate	ND		390	43	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Di-n-butyl phthalate	ND		390	49	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
2,4-Dinitrophenol	ND		2000	460	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1

Client Sample ID: SSHS-B93-0.17-2 (1.5)

Lab Sample ID: 180-35729-17

Date Collected: 08/12/14 13:34
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 85.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		390	32	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
2,6-Dinitrotoluene	ND		390	40	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Di-n-octyl phthalate	ND		390	41	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
1,4-Dioxane	ND		780	45	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Fluoranthene	**630**		78	8.3	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Fluorene	**51**	**J**	78	10	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Hexachlorobenzene	ND		78	8.3	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Hexachlorobutadiene	ND		78	8.7	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Hexachlorocyclopentadiene	ND		390	42	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Hexachloroethane	ND		390	28	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Indeno[1,2,3-cd]pyrene	**230**		78	8.0	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Isophorone	ND		390	29	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
2-Methylnaphthalene	**27**	**J**	78	7.0	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
2-Methylphenol	ND		390	27	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Methylphenol, 3 & 4	ND		390	38	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Naphthalene	**73**	**J**	78	6.7	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
2-Nitroaniline	ND		2000	170	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Nitrobenzene	ND		780	33	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
2-Nitrophenol	ND		390	43	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
4-Nitrophenol	ND		2000	140	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
N-Nitrosodi-n-propylamine	ND		78	9.2	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
N-Nitrosodiphenylamine	ND		390	36	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
2,2'-oxybis[1-chloropropane]	ND		78	8.4	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Pentachlorophenol	ND		390	35	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Phenanthrene	**430**		78	12	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Phenol	ND		78	9.2	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
Pyrene	**520**		78	7.9	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
1,2,4,5-Tetrachlorobenzene	ND		390	30	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
2,3,4,6-Tetrachlorophenol	ND		390	25	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
2,4,5-Trichlorophenol	ND		390	42	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1
2,4,6-Trichlorophenol	ND		390	58	ug/Kg	☼	08/19/14 02:45	08/19/14 22:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190*	*T J*	*ug/Kg*	☼	*11.26*		*08/19/14 02:45*	*08/19/14 22:20*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*13.14*		*08/19/14 02:45*	*08/19/14 22:20*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*16.79*		*08/19/14 02:45*	*08/19/14 22:20*	*1*
Unknown PAH	*260*	*T J*	*ug/Kg*	☼	*16.96*		*08/19/14 02:45*	*08/19/14 22:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*35 - 105*	*08/19/14 02:45*	*08/19/14 22:20*	*1*
2-Fluorophenol (Surr)	*63*		*39 - 103*	*08/19/14 02:45*	*08/19/14 22:20*	*1*
Nitrobenzene-d5 (Surr)	*66*		*25 - 104*	*08/19/14 02:45*	*08/19/14 22:20*	*1*
Phenol-d5 (Surr)	*68*		*25 - 105*	*08/19/14 02:45*	*08/19/14 22:20*	*1*
Terphenyl-d14 (Surr)	*58*		*25 - 127*	*08/19/14 02:45*	*08/19/14 22:20*	*1*
2,4,6-Tribromophenol (Surr)	*48*		*35 - 124*	*08/19/14 02:45*	*08/19/14 22:20*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B93-0.17-2 (1.5)

Date Collected: 08/12/14 13:34
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-17

Matrix: Solid
Percent Solids: 85.4

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
alpha-BHC	ND		2.0	0.32	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
alpha-Chlordane	ND		2.0	0.39	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
beta-BHC	ND		2.0	0.51	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
4,4'-DDD	**0.60**	**J p**	2.0	0.26	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
4,4'-DDE	**0.75**	**J**	2.0	0.29	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
4,4'-DDT	**2.0**	**p**	2.0	0.29	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
delta-BHC	ND		2.0	0.30	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
Dieldrin	**0.69**	**J p**	2.0	0.33	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
Endosulfan I	ND		2.0	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
Endosulfan II	ND		2.0	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
Endosulfan sulfate	ND		2.0	0.20	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
Endrin	**1.4**	**J**	2.0	0.38	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
Endrin aldehyde	ND		2.0	0.38	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
Endrin ketone	ND		2.0	0.30	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
gamma-BHC (Lindane)	**0.58**	**J**	2.0	0.34	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
gamma-Chlordane	**0.91**	**J p**	2.0	0.38	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
Heptachlor	ND		2.0	0.43	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
Heptachlor epoxide	**0.38**	**J p**	2.0	0.38	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
Methoxychlor	**0.61**	**J p**	3.9	0.41	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1
Toxaphene	ND		78	13	ug/Kg	☼	08/20/14 06:05	08/20/14 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*08/20/14 06:05*	*08/20/14 23:44*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/20/14 06:05*	*08/20/14 23:44*	*1*
Tetrachloro-m-xylene	*90*		*45 - 130*	*08/20/14 06:05*	*08/20/14 23:44*	*1*
Tetrachloro-m-xylene	*86*		*45 - 130*	*08/20/14 06:05*	*08/20/14 23:44*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	2.9	ug/Kg	☼	08/20/14 06:05	08/22/14 12:39	1
PCB-1221	ND		20	3.7	ug/Kg	☼	08/20/14 06:05	08/22/14 12:39	1
PCB-1232	ND		20	3.3	ug/Kg	☼	08/20/14 06:05	08/22/14 12:39	1
PCB-1242	ND		20	3.2	ug/Kg	☼	08/20/14 06:05	08/22/14 12:39	1
PCB-1248	**45**		20	1.8	ug/Kg	☼	08/20/14 06:05	08/22/14 12:39	1
PCB-1254	ND		20	2.8	ug/Kg	☼	08/20/14 06:05	08/22/14 12:39	1
PCB-1260	**41**		20	2.8	ug/Kg	☼	08/20/14 06:05	08/22/14 12:39	1
PCB-1262	ND		20	4.3	ug/Kg	☼	08/20/14 06:05	08/22/14 12:39	1
PCB-1268	ND		20	2.5	ug/Kg	☼	08/20/14 06:05	08/22/14 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*96*		*45 - 125*	*08/20/14 06:05*	*08/22/14 12:39*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/20/14 06:05*	*08/22/14 13:11*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*45 - 135*	*08/20/14 06:05*	*08/22/14 12:39*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*45 - 135*	*08/20/14 06:05*	*08/22/14 13:11*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9300**		25	2.6	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Antimony	ND		1.2	0.25	mg/Kg	☼	08/20/14 13:49	08/27/14 19:44	1

Client Sample Results

Client Sample ID: SSHS-B93-0.17-2 (1.5)

Lab Sample ID: 180-35729-17

Date Collected: 08/12/14 13:34
Date Received: 08/13/14 12:37

Matrix: Solid
Percent Solids: 85.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.9**		1.2	0.38	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Barium	**85**	**B**	25	0.016	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Beryllium	**0.46**	**J**	0.50	0.014	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Cadmium	**0.14**	**J B**	0.62	0.018	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Calcium	**7400**	**B**	620	1.9	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Chromium	**11**		0.62	0.096	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Cobalt	**7.8**		6.2	0.052	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Copper	**34**		3.1	0.18	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Iron	**20000**		12	1.1	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Lead	**35**		1.2	0.13	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Magnesium	**3400**		620	2.6	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Manganese	**480**		1.9	0.11	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Nickel	**23**	**B**	5.0	0.059	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Potassium	**650**		620	8.0	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Selenium	ND		1.2	0.33	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Silver	ND		0.62	0.050	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Sodium	**57**	**J B**	620	1.3	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Thallium	**0.25**	**J**	2.5	0.18	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Vanadium	**12**		6.2	0.22	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1
Zinc	**70**	**B**	2.5	0.13	mg/Kg	☼	08/20/14 13:49	08/26/14 10:07	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**	**J**	0.037	0.012	mg/Kg	☼	08/19/14 09:31	08/19/14 15:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15**		0.10	0.10	%			08/14/14 11:35	1
Percent Solids	**85**		0.10	0.10	%			08/14/14 11:35	1
Cyanide, Total	**0.31**	**J**	0.57	0.17	mg/Kg	☼	08/18/14 11:35	08/18/14 13:17	1

Client Sample ID: SSHS-B93-2-6 (5)

Lab Sample ID: 180-35729-18

Date Collected: 08/12/14 13:41
Date Received: 08/13/14 12:37

Matrix: Solid
Percent Solids: 90.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	5.5	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Benzene	ND		5.5	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Bromoform	ND		5.5	0.49	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Bromomethane	ND		5.5	0.81	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
2-Butanone (MEK)	ND		5.5	0.97	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Carbon disulfide	ND		5.5	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Carbon tetrachloride	ND		5.5	0.49	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Chlorobenzene	ND		5.5	0.83	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Chlorobromomethane	ND		5.5	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Chlorodibromomethane	ND		5.5	0.78	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Chloroethane	ND		5.5	1.7	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Chloroform	ND		5.5	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Chloromethane	ND		5.5	0.94	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35729-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B93-2-6 (5)
Lab Sample ID: 180-35729-18
Date Collected: 08/12/14 13:41
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		5.5	0.77	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
cis-1,3-Dichloropropene	ND		5.5	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Cyclohexane	ND		5.5	0.41	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
1,2-Dibromo-3-Chloropropane	ND		5.5	0.82	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
1,2-Dibromoethane	ND		5.5	0.95	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
1,2-Dichlorobenzene	ND		5.5	0.88	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
1,3-Dichlorobenzene	ND		5.5	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
1,4-Dichlorobenzene	ND		5.5	0.70	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Dichlorobromomethane	ND		5.5	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Dichlorodifluoromethane	ND		5.5	0.73	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
1,1-Dichloroethane	ND		5.5	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
1,2-Dichloroethane	ND		5.5	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
1,1-Dichloroethene	ND		5.5	0.93	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
1,2-Dichloropropane	ND		5.5	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
1,4-Dioxane	ND		1100	300	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Ethylbenzene	ND		5.5	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
2-Hexanone	ND		5.5	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Isopropylbenzene	ND		5.5	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Methyl acetate	ND		5.5	0.99	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Methylcyclohexane	ND		5.5	0.80	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Methylene Chloride	ND		5.5	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Methyl tert-butyl ether	ND		5.5	0.82	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
o-Xylene	ND		5.5	0.86	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Styrene	ND		5.5	0.78	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
1,1,2,2-Tetrachloroethane	ND		5.5	0.79	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Tetrachloroethene	ND		5.5	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Toluene	ND		5.5	0.80	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
trans-1,2-Dichloroethene	ND		5.5	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
trans-1,3-Dichloropropene	ND		5.5	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
1,2,3-Trichlorobenzene	ND		5.5	0.93	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
1,2,4-Trichlorobenzene	ND		5.5	0.97	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
1,1,1-Trichloroethane	ND		5.5	0.54	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
1,1,2-Trichloroethane	ND		5.5	0.91	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Trichloroethene	**2.9**	**J**	5.5	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Trichlorofluoromethane	ND		5.5	1.0	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1
Vinyl chloride	ND		5.5	0.52	ug/Kg	☼	08/15/14 04:00	08/15/14 11:27	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 04:00*	*08/15/14 11:27*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*63 - 120*	*08/15/14 04:00*	*08/15/14 11:27*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/15/14 04:00*	*08/15/14 11:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*52 - 124*	*08/15/14 04:00*	*08/15/14 11:27*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/15/14 04:00*	*08/15/14 11:27*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35729-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B93-2-6 (5)
Lab Sample ID: 180-35729-18
Date Collected: 08/12/14 13:41
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 90.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	7.0	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Acenaphthylene	ND		74	8.4	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Acetophenone	ND		360	30	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Anthracene	ND		74	7.2	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Atrazine	ND		360	36	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Benzo[a]anthracene	**16**	**J**	74	9.2	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Benzo[a]pyrene	**17**	**J**	74	7.3	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Benzo[b]fluoranthene	**25**	**J**	74	12	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Benzo[g,h,i]perylene	**28**	**J**	74	7.3	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Benzo[k]fluoranthene	ND		74	15	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Bis(2-chloroethyl)ether	ND		74	9.8	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Bis(2-ethylhexyl) phthalate	ND		740	59	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Carbazole	ND		74	6.8	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Chrysene	**20**	**J**	74	8.7	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Dibenz(a,h)anthracene	ND		74	8.2	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Fluoranthene	**20**	**J**	74	7.8	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Fluorene	ND		74	9.7	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Hexachlorobenzene	ND		74	7.8	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Hexachlorobutadiene	ND		74	8.2	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Hexachlorocyclopentadiene	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Indeno[1,2,3-cd]pyrene	**20**	**J**	74	7.6	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Isophorone	ND		360	28	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
2-Methylnaphthalene	**8.6**	**J**	74	6.6	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1

Client Sample ID: SSHS-B93-2-6 (5)

Date Collected: 08/12/14 13:41
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-18
Matrix: Solid
Percent Solids: 90.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Naphthalene	ND		74	6.3	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
N-Nitrosodi-n-propylamine	ND		74	8.6	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
2,2'-oxybis[1-chloropropane]	ND		74	7.9	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Phenanthrene	**16**	**J**	74	12	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Phenol	ND		74	8.7	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
Pyrene	**21**	**J**	74	7.4	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
2,3,4,6-Tetrachlorophenol	ND		360	24	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/19/14 02:45	08/19/14 22:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*200*	*T J*	*ug/Kg*	☼	*12.74*		*08/19/14 02:45*	*08/19/14 22:47*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*13.16*		*08/19/14 02:45*	*08/19/14 22:47*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*19.02*		*08/19/14 02:45*	*08/19/14 22:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*35 - 105*	*08/19/14 02:45*	*08/19/14 22:47*	*1*
2-Fluorophenol (Surr)	*61*		*39 - 103*	*08/19/14 02:45*	*08/19/14 22:47*	*1*
Nitrobenzene-d5 (Surr)	*64*		*25 - 104*	*08/19/14 02:45*	*08/19/14 22:47*	*1*
Phenol-d5 (Surr)	*66*		*25 - 105*	*08/19/14 02:45*	*08/19/14 22:47*	*1*
Terphenyl-d14 (Surr)	*60*		*25 - 127*	*08/19/14 02:45*	*08/19/14 22:47*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*35 - 124*	*08/19/14 02:45*	*08/19/14 22:47*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
4,4'-DDT	**1.8**	**J**	1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
Endrin	**0.98**	**J p**	1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1

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

Client Sample ID: SSHS-B93-2-6 (5)
Date Collected: 08/12/14 13:41
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-18
Matrix: Solid
Percent Solids: 90.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
gamma-Chlordane	**0.47**	**J p**	1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
Heptachlor epoxide	**0.59**	**J p**	1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
Methoxychlor	ND		3.7	0.38	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1
Toxaphene	ND		74	12	ug/Kg	☼	08/20/14 06:05	08/20/14 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/20/14 06:05*	*08/20/14 23:59*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/20/14 06:05*	*08/20/14 23:59*	*1*
Tetrachloro-m-xylene	*90*		*45 - 130*	*08/20/14 06:05*	*08/20/14 23:59*	*1*
Tetrachloro-m-xylene	*84*		*45 - 130*	*08/20/14 06:05*	*08/20/14 23:59*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/20/14 06:05	08/22/14 13:11	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/20/14 06:05	08/22/14 13:11	1
PCB-1232	ND		18	3.2	ug/Kg	☼	08/20/14 06:05	08/22/14 13:11	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/20/14 06:05	08/22/14 13:11	1
PCB-1248	**69**		18	1.7	ug/Kg	☼	08/20/14 06:05	08/22/14 13:11	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/20/14 06:05	08/22/14 13:11	1
PCB-1260	**15**	**J**	18	2.6	ug/Kg	☼	08/20/14 06:05	08/22/14 13:11	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/20/14 06:05	08/22/14 13:11	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/20/14 06:05	08/22/14 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 125*	*08/20/14 06:05*	*08/22/14 13:11*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/20/14 06:05*	*08/22/14 13:43*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*45 - 135*	*08/20/14 06:05*	*08/22/14 13:11*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*45 - 135*	*08/20/14 06:05*	*08/22/14 13:43*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7800**		23	2.4	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Antimony	ND		1.2	0.23	mg/Kg	☼	08/20/14 13:49	08/27/14 19:49	1
Arsenic	**7.3**		1.2	0.36	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Barium	**61**	**B**	23	0.015	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Beryllium	**0.31**	**J**	0.47	0.013	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Cadmium	**0.070**	**J B**	0.58	0.017	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Calcium	**18000**	**B**	580	1.7	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Chromium	**10**		0.58	0.090	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Cobalt	**6.7**		5.8	0.049	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Copper	**62**		2.9	0.17	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Iron	**22000**		12	1.0	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Lead	**22**		1.2	0.12	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Magnesium	**4300**		580	2.4	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Manganese	**520**		1.7	0.10	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Nickel	**17**	**B**	4.7	0.055	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Potassium	**590**		580	7.4	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Selenium	ND		1.2	0.31	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1

Client Sample ID: SSHS-B93-2-6 (5)

Lab Sample ID: 180-35729-18

Date Collected: 08/12/14 13:41
Date Received: 08/13/14 12:37

Matrix: Solid
Percent Solids: 90.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.58	0.047	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Sodium	**52**	**J B**	580	1.2	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Vanadium	**12**		5.8	0.20	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1
Zinc	**73**	**B**	2.3	0.12	mg/Kg	☼	08/20/14 13:49	08/26/14 10:12	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.023**	**J**	0.035	0.011	mg/Kg	☼	08/19/14 09:31	08/19/14 15:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.7**		0.10	0.10	%			08/14/14 11:35	1
Percent Solids	**90**		0.10	0.10	%			08/14/14 11:35	1
Cyanide, Total	**0.47**	**J**	0.54	0.16	mg/Kg	☼	08/18/14 11:35	08/18/14 13:17	1

Client Sample ID: SSHS-B93-6-10 (9.5)

Lab Sample ID: 180-35729-19

Date Collected: 08/12/14 13:49
Date Received: 08/13/14 12:37

Matrix: Solid
Percent Solids: 91.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.5	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Benzene	ND		4.5	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Bromoform	ND		4.5	0.40	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Bromomethane	ND		4.5	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
2-Butanone (MEK)	ND		4.5	0.79	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Carbon disulfide	ND		4.5	0.46	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Carbon tetrachloride	ND		4.5	0.40	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Chlorobenzene	ND		4.5	0.68	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Chlorobromomethane	ND		4.5	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Chlorodibromomethane	ND		4.5	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Chloroethane	ND		4.5	1.4	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Chloroform	ND		4.5	0.53	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Chloromethane	ND		4.5	0.77	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
cis-1,2-Dichloroethene	ND		4.5	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
cis-1,3-Dichloropropene	ND		4.5	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Cyclohexane	ND		4.5	0.33	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
1,2-Dibromo-3-Chloropropane	ND		4.5	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
1,2-Dibromoethane	ND		4.5	0.78	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
1,2-Dichlorobenzene	ND		4.5	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
1,3-Dichlorobenzene	ND		4.5	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
1,4-Dichlorobenzene	ND		4.5	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Dichlorobromomethane	ND		4.5	0.50	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Dichlorodifluoromethane	ND		4.5	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
1,1-Dichloroethane	ND		4.5	0.52	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
1,2-Dichloroethane	ND		4.5	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
1,1-Dichloroethene	ND		4.5	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
1,2-Dichloropropane	ND		4.5	0.49	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
1,4-Dioxane	ND		900	250	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1

Client Sample ID: SSHS-B93-6-10 (9.5) Lab Sample ID: 180-35729-19

Date Collected: 08/12/14 13:49 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 91.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		4.5	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
2-Hexanone	ND		4.5	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Isopropylbenzene	ND		4.5	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Methyl acetate	ND		4.5	0.81	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Methylcyclohexane	ND		4.5	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Methylene Chloride	ND		4.5	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
4-Methyl-2-pentanone (MIBK)	ND		4.5	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Methyl tert-butyl ether	ND		4.5	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
m-Xylene & p-Xylene	ND		9.0	1.3	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
o-Xylene	ND		4.5	0.70	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Styrene	ND		4.5	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
1,1,2,2-Tetrachloroethane	ND		4.5	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Tetrachloroethene	ND		4.5	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Toluene	ND		4.5	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
trans-1,2-Dichloroethene	ND		4.5	0.54	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
1,2,3-Trichlorobenzene	ND		4.5	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
1,2,4-Trichlorobenzene	ND		4.5	0.79	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
1,1,1-Trichloroethane	ND		4.5	0.44	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
1,1,2-Trichloroethane	ND		4.5	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Trichloroethene	**7.1**		4.5	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Trichlorofluoromethane	ND		4.5	0.83	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	0.96	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1
Vinyl chloride	ND		4.5	0.42	ug/Kg	☼	08/15/14 04:00	08/15/14 11:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 04:00*	*08/15/14 11:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 120*	*08/15/14 04:00*	*08/15/14 11:49*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*08/15/14 04:00*	*08/15/14 11:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*	*08/15/14 04:00*	*08/15/14 11:49*	*1*
Toluene-d8 (Surr)	*100*		*72 - 127*	*08/15/14 04:00*	*08/15/14 11:49*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Acenaphthylene	ND		73	8.3	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Acetophenone	ND		360	30	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Anthracene	ND		73	7.1	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Atrazine	ND		360	35	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Benzo[a]anthracene	ND		73	9.1	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Benzo[a]pyrene	ND		73	7.3	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Benzo[b]fluoranthene	ND		73	11	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Benzo[g,h,i]perylene	ND		73	7.2	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Benzo[k]fluoranthene	ND		73	15	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Bis(2-chloroethyl)ether	ND		73	9.8	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1

Client Sample Results

Client: Geosyntec Consultants, Inc.　　TestAmerica Job ID: 180-35729-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B93-6-10 (9.5)　　**Lab Sample ID: 180-35729-19**
Date Collected: 08/12/14 13:49　　**Matrix: Solid**
Date Received: 08/13/14 12:37　　**Percent Solids: 91.0**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Caprolactam	ND		1900	270	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Carbazole	ND		73	6.7	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Chrysene	ND		73	8.7	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Dibenz(a,h)anthracene	ND		73	8.1	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
2,4-Dinitrophenol	ND		1900	430	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Fluoranthene	ND		73	7.8	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Fluorene	ND		73	9.6	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Hexachlorobenzene	ND		73	7.8	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Hexachlorobutadiene	ND		73	8.1	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Indeno[1,2,3-cd]pyrene	ND		73	7.5	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Isophorone	ND		360	27	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
2-Methylnaphthalene	ND		73	6.5	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Naphthalene	ND		73	6.3	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
N-Nitrosodi-n-propylamine	ND		73	8.5	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
2,2'-oxybis[1-chloropropane]	ND		73	7.9	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Phenanthrene	ND		73	12	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
Phenol	ND		73	8.6	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1

Client Sample Results

Client Sample ID: SSHS-B93-6-10 (9.5)
Lab Sample ID: 180-35729-19
Date Collected: 08/12/14 13:49
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 91.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		73	7.4	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/19/14 02:45	08/19/14 23:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*410*	*T J*	*ug/Kg*	☼	*11.94*		*08/19/14 02:45*	*08/19/14 23:15*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*12.74*		*08/19/14 02:45*	*08/19/14 23:15*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*13.16*		*08/19/14 02:45*	*08/19/14 23:15*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*13.31*		*08/19/14 02:45*	*08/19/14 23:15*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*14.37*		*08/19/14 02:45*	*08/19/14 23:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*35 - 105*	*08/19/14 02:45*	*08/19/14 23:15*	*1*
2-Fluorophenol (Surr)	*59*		*39 - 103*	*08/19/14 02:45*	*08/19/14 23:15*	*1*
Nitrobenzene-d5 (Surr)	*63*		*25 - 104*	*08/19/14 02:45*	*08/19/14 23:15*	*1*
Phenol-d5 (Surr)	*61*		*25 - 105*	*08/19/14 02:45*	*08/19/14 23:15*	*1*
Terphenyl-d14 (Surr)	*58*		*25 - 127*	*08/19/14 02:45*	*08/19/14 23:15*	*1*
2,4,6-Tribromophenol (Surr)	*47*		*35 - 124*	*08/19/14 02:45*	*08/19/14 23:15*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
beta-BHC	ND		1.9	0.47	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
4,4'-DDE	ND		1.9	0.27	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
4,4'-DDT	ND		1.9	0.27	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
Dieldrin	ND		1.9	0.30	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
Endosulfan I	ND		1.9	0.34	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
Endrin	ND		1.9	0.35	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
Endrin aldehyde	ND		1.9	0.35	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
Endrin ketone	ND		1.9	0.28	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
Heptachlor	ND		1.9	0.40	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
Heptachlor epoxide	ND		1.9	0.35	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1
Toxaphene	ND		73	12	ug/Kg	☼	08/20/14 06:05	08/21/14 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/20/14 06:05*	*08/21/14 00:15*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/20/14 06:05*	*08/21/14 00:15*	*1*
Tetrachloro-m-xylene	*96*		*45 - 130*	*08/20/14 06:05*	*08/21/14 00:15*	*1*
Tetrachloro-m-xylene	*95*		*45 - 130*	*08/20/14 06:05*	*08/21/14 00:15*	*1*

Client Sample ID: SSHS-B93-6-10 (9.5)

Lab Sample ID: 180-35729-19
Date Collected: 08/12/14 13:49
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 91.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/20/14 06:05	08/22/14 13:43	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/20/14 06:05	08/22/14 13:43	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/20/14 06:05	08/22/14 13:43	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/20/14 06:05	08/22/14 13:43	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/20/14 06:05	08/22/14 13:43	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/20/14 06:05	08/22/14 13:43	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/20/14 06:05	08/22/14 13:43	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/20/14 06:05	08/22/14 13:43	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/20/14 06:05	08/22/14 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 125*	*08/20/14 06:05*	*08/22/14 13:43*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/20/14 06:05*	*08/22/14 14:14*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*45 - 135*	*08/20/14 06:05*	*08/22/14 13:43*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*45 - 135*	*08/20/14 06:05*	*08/22/14 14:14*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7500**		18	1.9	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Antimony	ND		0.91	0.18	mg/Kg	☼	08/20/14 13:49	08/27/14 19:54	1
Arsenic	**9.0**		0.91	0.28	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Barium	**99**	**B**	18	0.012	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Beryllium	**0.33**	**J**	0.36	0.010	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Cadmium	**0.068**	**J B**	0.45	0.013	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Calcium	**8100**	**B**	450	1.4	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Chromium	**9.0**		0.45	0.070	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Cobalt	**7.7**		4.5	0.038	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Copper	**19**		2.3	0.13	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Iron	**21000**		9.1	0.81	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Lead	**9.8**		0.91	0.093	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Magnesium	**3100**		450	1.9	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Manganese	**970**		1.4	0.081	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Nickel	**19**	**B**	3.6	0.043	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Potassium	**640**		450	5.8	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Selenium	**0.48**	**J**	0.91	0.24	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Silver	**0.070**	**J**	0.45	0.037	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Sodium	**40**	**J B**	450	0.96	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Thallium	**0.51**	**J**	1.8	0.13	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Vanadium	**11**		4.5	0.16	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1
Zinc	**75**	**B**	1.8	0.094	mg/Kg	☼	08/20/14 13:49	08/26/14 10:17	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.012	mg/Kg	☼	08/19/14 09:31	08/19/14 15:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.0**		0.10	0.10	%			08/14/14 11:35	1
Percent Solids	**91**		0.10	0.10	%			08/14/14 11:35	1
Cyanide, Total	ND		0.55	0.16	mg/Kg	☼	08/20/14 07:00	08/20/14 09:13	1

Client Sample Results

Client Sample ID: SSHS-B93-10-16 (15)

Lab Sample ID: 180-35729-20

Date Collected: 08/12/14 13:57
Date Received: 08/13/14 12:37
Matrix: Solid
Percent Solids: 93.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	5.3	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Benzene	ND		5.3	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Bromoform	ND		5.3	0.46	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Bromomethane	ND		5.3	0.78	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
2-Butanone (MEK)	ND		5.3	0.93	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Carbon disulfide	ND		5.3	0.54	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Carbon tetrachloride	ND		5.3	0.47	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Chlorobenzene	ND		5.3	0.80	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Chlorobromomethane	ND		5.3	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Chlorodibromomethane	ND		5.3	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Chloroethane	ND		5.3	1.6	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Chloroform	ND		5.3	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Chloromethane	ND		5.3	0.89	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
cis-1,2-Dichloroethene	ND		5.3	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
cis-1,3-Dichloropropene	ND		5.3	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Cyclohexane	ND		5.3	0.39	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
1,2-Dibromo-3-Chloropropane	ND		5.3	0.79	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
1,2-Dibromoethane	ND		5.3	0.91	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
1,2-Dichlorobenzene	ND		5.3	0.84	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
1,3-Dichlorobenzene	ND		5.3	0.69	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
1,4-Dichlorobenzene	ND		5.3	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Dichlorobromomethane	ND		5.3	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Dichlorodifluoromethane	ND		5.3	0.70	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
1,1-Dichloroethane	ND		5.3	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
1,2-Dichloroethane	ND		5.3	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
1,1-Dichloroethene	ND		5.3	0.89	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
1,2-Dichloropropane	ND		5.3	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
1,4-Dioxane	ND		1100	290	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Ethylbenzene	ND		5.3	0.68	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
2-Hexanone	ND		5.3	0.73	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Isopropylbenzene	ND		5.3	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Methyl acetate	ND		5.3	0.95	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Methylcyclohexane	ND		5.3	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Methylene Chloride	ND		5.3	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	0.69	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Methyl tert-butyl ether	ND		5.3	0.79	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
m-Xylene & p-Xylene	ND		11	1.5	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
o-Xylene	ND		5.3	0.82	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Styrene	ND		5.3	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Tetrachloroethene	ND		5.3	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Toluene	ND		5.3	0.77	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
trans-1,2-Dichloroethene	ND		5.3	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
trans-1,3-Dichloropropene	ND		5.3	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
1,2,3-Trichlorobenzene	ND		5.3	0.89	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
1,2,4-Trichlorobenzene	ND		5.3	0.93	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
1,1,1-Trichloroethane	ND		5.3	0.51	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
1,1,2-Trichloroethane	ND		5.3	0.87	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Trichloroethene	**5.5**		5.3	0.69	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B93-10-16 (15)

Date Collected: 08/12/14 13:57
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-20

Matrix: Solid
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		5.3	0.97	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.1	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1
Vinyl chloride	ND		5.3	0.49	ug/Kg	☼	08/15/14 04:00	08/15/14 12:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 04:00*	*08/15/14 12:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 120*	*08/15/14 04:00*	*08/15/14 12:11*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*08/15/14 04:00*	*08/15/14 12:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*52 - 124*	*08/15/14 04:00*	*08/15/14 12:11*	*1*
Toluene-d8 (Surr)	*105*		*72 - 127*	*08/15/14 04:00*	*08/15/14 12:11*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	6.9	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Acenaphthylene	ND		72	8.2	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Acetophenone	ND		350	29	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Anthracene	ND		72	7.0	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Atrazine	ND		350	35	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Benzo[a]anthracene	ND		72	8.9	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Benzo[a]pyrene	ND		72	7.1	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Benzo[b]fluoranthene	ND		72	11	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Benzo[g,h,i]perylene	ND		72	7.1	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Benzo[k]fluoranthene	ND		72	14	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Bis(2-chloroethyl)ether	ND		72	9.6	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Butyl benzyl phthalate	ND		350	49	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Carbazole	ND		72	6.6	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
4-Chloroaniline	ND		350	29	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
2-Chloronaphthalene	ND		72	7.4	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
4-Chlorophenyl phenyl ether	ND		350	40	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Chrysene	ND		72	8.5	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Dibenz(a,h)anthracene	ND		72	7.9	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
3,3'-Dichlorobenzidine	ND		350	38	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
2,4-Dimethylphenol	ND		350	56	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Di-n-butyl phthalate	ND		350	45	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1

Client Sample ID: SSHS-B93-10-16 (15)
Date Collected: 08/12/14 13:57
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-20
Matrix: Solid
Percent Solids: 93.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Di-n-octyl phthalate	ND		350	38	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Fluoranthene	ND		72	7.6	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Fluorene	ND		72	9.4	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Hexachlorobenzene	ND		72	7.6	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Hexachloroethane	ND		350	26	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Indeno[1,2,3-cd]pyrene	ND		72	7.3	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Isophorone	ND		350	27	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
2-Methylnaphthalene	ND		72	6.4	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Naphthalene	ND		72	6.1	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
2,2'-oxybis[1-chloropropane]	ND		72	7.7	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Phenanthrene	ND		72	11	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Phenol	ND		72	8.4	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
Pyrene	ND		72	7.2	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/19/14 02:45	08/19/14 23:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*380*	*T J*	*ug/Kg*	☼	*11.93*		*08/19/14 02:45*	*08/19/14 23:43*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*12.74*		*08/19/14 02:45*	*08/19/14 23:43*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*13.16*		*08/19/14 02:45*	*08/19/14 23:43*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*13.37*		*08/19/14 02:45*	*08/19/14 23:43*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*14.36*		*08/19/14 02:45*	*08/19/14 23:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*35 - 105*	*08/19/14 02:45*	*08/19/14 23:43*	*1*
2-Fluorophenol (Surr)	*59*		*39 - 103*	*08/19/14 02:45*	*08/19/14 23:43*	*1*
Nitrobenzene-d5 (Surr)	*63*		*25 - 104*	*08/19/14 02:45*	*08/19/14 23:43*	*1*
Phenol-d5 (Surr)	*61*		*25 - 105*	*08/19/14 02:45*	*08/19/14 23:43*	*1*
Terphenyl-d14 (Surr)	*60*		*25 - 127*	*08/19/14 02:45*	*08/19/14 23:43*	*1*
2,4,6-Tribromophenol (Surr)	*45*		*35 - 124*	*08/19/14 02:45*	*08/19/14 23:43*	*1*

Client Sample ID: SSHS-B93-10-16 (15)

Date Collected: 08/12/14 13:57
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-20

Matrix: Solid
Percent Solids: 93.5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1
Toxaphene	ND		72	12	ug/Kg	☼	08/20/14 06:05	08/21/14 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/20/14 06:05*	*08/21/14 00:30*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 130*	*08/20/14 06:05*	*08/21/14 00:30*	*1*
Tetrachloro-m-xylene	*86*		*45 - 130*	*08/20/14 06:05*	*08/21/14 00:30*	*1*
Tetrachloro-m-xylene	*86*		*45 - 130*	*08/20/14 06:05*	*08/21/14 00:30*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/20/14 06:05	08/22/14 14:14	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/20/14 06:05	08/22/14 14:14	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/20/14 06:05	08/22/14 14:14	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/20/14 06:05	08/22/14 14:14	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/20/14 06:05	08/22/14 14:14	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/20/14 06:05	08/22/14 14:14	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/20/14 06:05	08/22/14 14:14	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/20/14 06:05	08/22/14 14:14	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/20/14 06:05	08/22/14 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/20/14 06:05*	*08/22/14 14:14*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 125*	*08/20/14 06:05*	*08/22/14 14:46*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*	*08/20/14 06:05*	*08/22/14 14:14*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*	*08/20/14 06:05*	*08/22/14 14:46*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7400**		19	1.9	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Antimony	ND		0.93	0.19	mg/Kg	☼	08/20/14 13:49	08/27/14 20:00	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35729-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B93-10-16 (15)

Lab Sample ID: 180-35729-20
Date Collected: 08/12/14 13:57
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 93.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.2**		0.93	0.28	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Barium	**79**	**B**	19	0.012	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Beryllium	**0.30**	**J**	0.37	0.010	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Cadmium	**0.10**	**J B**	0.46	0.013	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Calcium	**17000**	**B**	460	1.4	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Chromium	**9.4**		0.46	0.072	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Cobalt	**7.4**		4.6	0.039	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Copper	**29**		2.3	0.13	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Iron	**18000**		9.3	0.83	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Lead	**17**		0.93	0.095	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Magnesium	**6000**		460	1.9	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Manganese	**1200**		1.4	0.083	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Nickel	**18**	**B**	3.7	0.044	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Potassium	**550**		460	5.9	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Selenium	**0.60**	**J**	0.93	0.25	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Silver	**0.14**	**J**	0.46	0.038	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Sodium	**53**	**J B**	460	0.98	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Thallium	**0.69**	**J**	1.9	0.14	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Vanadium	**10**		4.6	0.16	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1
Zinc	**69**	**B**	1.9	0.096	mg/Kg	☼	08/20/14 13:49	08/26/14 10:22	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.011	mg/Kg	☼	08/19/14 09:31	08/19/14 15:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.5**		0.10	0.10	%			08/14/14 11:35	1
Percent Solids	**94**		0.10	0.10	%			08/14/14 11:35	1
Cyanide, Total	ND		0.53	0.16	mg/Kg	☼	08/20/14 07:00	08/20/14 09:13	1

Client Sample ID: SSHS-B95-SS

Lab Sample ID: 180-35729-21
Date Collected: 08/12/14 14:40
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 73.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	6.4	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Benzene	ND		6.4	0.87	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Bromoform	ND		6.4	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Bromomethane	ND		6.4	0.95	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
2-Butanone (MEK)	ND		6.4	1.1	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Carbon disulfide	ND		6.4	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Carbon tetrachloride	ND		6.4	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Chlorobenzene	ND		6.4	0.97	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Chlorobromomethane	ND		6.4	0.88	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Chlorodibromomethane	ND		6.4	0.91	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Chloroethane	ND		6.4	2.0	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Chloroform	ND		6.4	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Chloromethane	ND		6.4	1.1	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B95-SS
Date Collected: 08/12/14 14:40
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-21
Matrix: Solid
Percent Solids: 73.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		6.4	0.90	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
cis-1,3-Dichloropropene	ND		6.4	0.87	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Cyclohexane	ND		6.4	0.48	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
1,2-Dibromo-3-Chloropropane	ND		6.4	0.96	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
1,2-Dibromoethane	ND		6.4	1.1	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
1,2-Dichlorobenzene	ND		6.4	1.0	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
1,3-Dichlorobenzene	ND		6.4	0.84	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
1,4-Dichlorobenzene	ND		6.4	0.82	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Dichlorobromomethane	ND		6.4	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Dichlorodifluoromethane	ND		6.4	0.85	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
1,1-Dichloroethane	ND		6.4	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
1,2-Dichloroethane	ND		6.4	0.79	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
1,1-Dichloroethene	ND		6.4	1.1	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
1,2-Dichloropropane	ND		6.4	0.70	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
1,4-Dioxane	ND		1300	350	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Ethylbenzene	ND		6.4	0.83	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
2-Hexanone	ND		6.4	0.89	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Isopropylbenzene	ND		6.4	0.87	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Methyl acetate	ND		6.4	1.2	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Methylcyclohexane	ND		6.4	0.93	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Methylene Chloride	ND		6.4	0.86	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
4-Methyl-2-pentanone (MIBK)	ND		6.4	0.84	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Methyl tert-butyl ether	ND		6.4	0.96	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
m-Xylene & p-Xylene	ND		13	1.9	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
o-Xylene	ND		6.4	1.0	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Styrene	ND		6.4	0.91	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
1,1,2,2-Tetrachloroethane	ND		6.4	0.92	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Tetrachloroethene	ND		6.4	0.87	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Toluene	ND		6.4	0.94	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
trans-1,2-Dichloroethene	ND		6.4	0.77	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
trans-1,3-Dichloropropene	ND		6.4	0.77	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
1,2,3-Trichlorobenzene	ND		6.4	1.1	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
1,2,4-Trichlorobenzene	ND		6.4	1.1	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
1,1,1-Trichloroethane	ND		6.4	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
1,1,2-Trichloroethane	ND		6.4	1.1	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Trichloroethene	ND		6.4	0.84	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Trichlorofluoromethane	ND		6.4	1.2	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.4	1.4	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1
Vinyl chloride	ND		6.4	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 12:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 04:00*	*08/15/14 12:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/15/14 04:00*	*08/15/14 12:34*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/15/14 04:00*	*08/15/14 12:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*52 - 124*	*08/15/14 04:00*	*08/15/14 12:34*	*1*
Toluene-d8 (Surr)	*108*		*72 - 127*	*08/15/14 04:00*	*08/15/14 12:34*	*1*

Client Sample Results

Client Sample ID: SSHS-B95-SS
Date Collected: 08/12/14 14:40
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-21
Matrix: Solid
Percent Solids: 73.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		91	8.7	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Acenaphthylene	ND		91	10	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Acetophenone	ND		450	37	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Anthracene	**9.8**	**J**	91	8.9	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Atrazine	ND		450	44	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Benzaldehyde	ND		450	68	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Benzo[a]anthracene	**110**		91	11	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Benzo[a]pyrene	**120**		91	9.1	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Benzo[b]fluoranthene	**170**		91	14	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Benzo[g,h,i]perylene	**98**		91	9.0	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Benzo[k]fluoranthene	**73**	**J**	91	18	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
1,1'-Biphenyl	ND		450	40	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Bis(2-chloroethoxy)methane	ND		450	30	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Bis(2-chloroethyl)ether	ND		91	12	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Bis(2-ethylhexyl) phthalate	**81**	**J**	910	73	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
4-Bromophenyl phenyl ether	ND		450	39	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Butyl benzyl phthalate	ND		450	62	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Caprolactam	ND		2300	340	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Carbazole	**9.6**	**J**	91	8.3	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
4-Chloroaniline	ND		450	36	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
4-Chloro-3-methylphenol	ND		450	42	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
2-Chloronaphthalene	ND		91	9.4	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
2-Chlorophenol	ND		450	37	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
4-Chlorophenyl phenyl ether	ND		450	50	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Chrysene	**130**		91	11	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Dibenz(a,h)anthracene	ND		91	10	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Dibenzofuran	ND		450	45	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
3,3'-Dichlorobenzidine	ND		450	48	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
2,4-Dichlorophenol	ND		91	9.1	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Diethyl phthalate	ND		450	49	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
2,4-Dimethylphenol	ND		450	71	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Dimethyl phthalate	ND		450	49	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Di-n-butyl phthalate	ND		450	57	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
4,6-Dinitro-2-methylphenol	ND		2300	180	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
2,4-Dinitrophenol	ND		2300	540	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
2,4-Dinitrotoluene	ND		450	37	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
2,6-Dinitrotoluene	ND		450	47	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Di-n-octyl phthalate	ND		450	48	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
1,4-Dioxane	ND		910	52	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Fluoranthene	**220**		91	9.7	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Fluorene	ND		91	12	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Hexachlorobenzene	ND		91	9.6	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Hexachlorobutadiene	ND		91	10	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Hexachlorocyclopentadiene	ND		450	49	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Hexachloroethane	ND		450	33	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Indeno[1,2,3-cd]pyrene	**81**	**J**	91	9.3	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Isophorone	ND		450	34	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
2-Methylnaphthalene	ND		91	8.1	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
2-Methylphenol	ND		450	32	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B95-SS
Date Collected: 08/12/14 14:40
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-21
Matrix: Solid
Percent Solids: 73.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		450	44	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Naphthalene	ND		91	7.8	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
2-Nitroaniline	ND		2300	200	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
3-Nitroaniline	ND		2300	190	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
4-Nitroaniline	ND		2300	180	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Nitrobenzene	ND		910	38	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
2-Nitrophenol	ND		450	50	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
4-Nitrophenol	ND		2300	170	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
N-Nitrosodi-n-propylamine	ND		91	11	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
N-Nitrosodiphenylamine	ND		450	42	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
2,2'-oxybis[1-chloropropane]	ND		91	9.8	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Pentachlorophenol	ND		450	40	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Phenanthrene	**63**	**J**	91	14	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Phenol	ND		91	11	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
Pyrene	**170**		91	9.2	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
1,2,4,5-Tetrachlorobenzene	ND		450	34	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
2,3,4,6-Tetrachlorophenol	ND		450	29	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
2,4,5-Trichlorophenol	ND		450	48	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1
2,4,6-Trichlorophenol	ND		450	68	ug/Kg	☼	08/20/14 15:58	08/21/14 12:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*370*	*T J*	*ug/Kg*	☼	*1.43*		*08/20/14 15:58*	*08/21/14 12:53*	*1*
Unknown	*360*	*T J*	*ug/Kg*	☼	*16.20*		*08/20/14 15:58*	*08/21/14 12:53*	*1*
Unknown	*3700*	*T J*	*ug/Kg*	☼	*16.35*		*08/20/14 15:58*	*08/21/14 12:53*	*1*
Unknown	*560*	*T J*	*ug/Kg*	☼	*16.74*		*08/20/14 15:58*	*08/21/14 12:53*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*16.80*		*08/20/14 15:58*	*08/21/14 12:53*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*17.05*		*08/20/14 15:58*	*08/21/14 12:53*	*1*
Unknown	*1400*	*T J*	*ug/Kg*	☼	*17.75*		*08/20/14 15:58*	*08/21/14 12:53*	*1*
Unknown Straight Chain Alkane	*1400*	*T J*	*ug/Kg*	☼	*18.14*		*08/20/14 15:58*	*08/21/14 12:53*	*1*
Unknown	*700*	*T J*	*ug/Kg*	☼	*19.39*		*08/20/14 15:58*	*08/21/14 12:53*	*1*
Unknown	*840*	*T J*	*ug/Kg*	☼	*19.40*		*08/20/14 15:58*	*08/21/14 12:53*	*1*
Unknown Straight Chain Alkane	*430*	*T J*	*ug/Kg*	☼	*19.86*		*08/20/14 15:58*	*08/21/14 12:53*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*19.87*		*08/20/14 15:58*	*08/21/14 12:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 105*	*08/20/14 15:58*	*08/21/14 12:53*	*1*
2-Fluorophenol (Surr)	*73*		*39 - 103*	*08/20/14 15:58*	*08/21/14 12:53*	*1*
Nitrobenzene-d5 (Surr)	*77*		*25 - 104*	*08/20/14 15:58*	*08/21/14 12:53*	*1*
Phenol-d5 (Surr)	*66*		*25 - 105*	*08/20/14 15:58*	*08/21/14 12:53*	*1*
Terphenyl-d14 (Surr)	*64*		*25 - 127*	*08/20/14 15:58*	*08/21/14 12:53*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*35 - 124*	*08/20/14 15:58*	*08/21/14 12:53*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.3	0.40	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
alpha-BHC	ND		2.3	0.37	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
alpha-Chlordane	ND		2.3	0.45	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
beta-BHC	ND		2.3	0.59	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
4,4'-DDD	ND		2.3	0.30	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
4,4'-DDE	ND		2.3	0.34	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1

Client Sample Results

Client Sample ID: SSHS-B95-SS
Date Collected: 08/12/14 14:40
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-21
Matrix: Solid
Percent Solids: 73.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	ND		2.3	0.34	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
delta-BHC	ND		2.3	0.35	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
Dieldrin	ND		2.3	0.38	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
Endosulfan I	ND		2.3	0.43	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
Endosulfan II	ND		2.3	0.40	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
Endosulfan sulfate	ND		2.3	0.24	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
Endrin	**0.62**	**J**	2.3	0.44	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
Endrin aldehyde	ND		2.3	0.44	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
Endrin ketone	ND		2.3	0.35	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
gamma-BHC (Lindane)	ND		2.3	0.40	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
gamma-Chlordane	ND		2.3	0.45	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
Heptachlor	ND		2.3	0.50	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
Heptachlor epoxide	ND		2.3	0.44	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
Methoxychlor	ND		4.5	0.47	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1
Toxaphene	ND		91	15	ug/Kg	☼	08/21/14 14:57	08/22/14 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*08/21/14 14:57*	*08/22/14 15:32*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/21/14 14:57*	*08/22/14 15:32*	*1*
Tetrachloro-m-xylene	*86*		*45 - 130*	*08/21/14 14:57*	*08/22/14 15:32*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/21/14 14:57*	*08/22/14 15:32*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		23	3.4	ug/Kg	☼	08/21/14 14:57	08/23/14 18:17	1
PCB-1221	ND		23	4.3	ug/Kg	☼	08/21/14 14:57	08/23/14 18:17	1
PCB-1232	ND		23	3.9	ug/Kg	☼	08/21/14 14:57	08/23/14 18:17	1
PCB-1242	ND		23	3.7	ug/Kg	☼	08/21/14 14:57	08/23/14 18:17	1
PCB-1248	**6.8**	**J p**	23	2.1	ug/Kg	☼	08/21/14 14:57	08/23/14 18:50	1
PCB-1254	ND		23	3.2	ug/Kg	☼	08/21/14 14:57	08/23/14 18:17	1
PCB-1260	ND		23	3.2	ug/Kg	☼	08/21/14 14:57	08/23/14 18:17	1
PCB-1262	ND		23	5.0	ug/Kg	☼	08/21/14 14:57	08/23/14 18:17	1
PCB-1268	ND		23	2.9	ug/Kg	☼	08/21/14 14:57	08/23/14 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/21/14 14:57*	*08/23/14 18:17*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 125*	*08/21/14 14:57*	*08/23/14 18:50*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*45 - 135*	*08/21/14 14:57*	*08/23/14 18:17*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*45 - 135*	*08/21/14 14:57*	*08/23/14 18:50*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		27	2.8	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Antimony	ND		1.3	0.27	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Arsenic	**7.8**		1.3	0.41	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Barium	**99**		27	0.017	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Beryllium	**0.52**	**J**	0.53	0.015	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Cadmium	**0.16**	**J B**	0.67	0.019	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Calcium	**2400**		670	2.0	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Chromium	**14**		0.67	0.10	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B95-SS

Lab Sample ID: 180-35729-21
Date Collected: 08/12/14 14:40
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 73.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**8.8**		6.7	0.056	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Copper	**16**		3.3	0.19	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Iron	**20000**		13	1.2	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Lead	**19**		1.3	0.14	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Magnesium	**2900**		670	2.7	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Manganese	**500**		2.0	0.12	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Nickel	**20**	**B**	5.3	0.063	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Potassium	**910**	**B**	670	8.5	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Selenium	**0.89**	**J**	1.3	0.36	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Silver	ND		0.67	0.054	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Sodium	**43**	**J B**	670	1.4	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Thallium	ND		2.7	0.20	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Vanadium	**14**		6.7	0.23	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1
Zinc	**60**	**B**	2.7	0.14	mg/Kg	☼	08/20/14 13:51	08/26/14 13:03	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.030**	**J**	0.043	0.014	mg/Kg	☼	08/21/14 10:25	08/21/14 14:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**26**		0.10	0.10	%			08/14/14 11:35	1
Percent Solids	**74**		0.10	0.10	%			08/14/14 11:35	1
Cyanide, Total	**1.3**		0.71	0.21	mg/Kg	☼	08/20/14 07:00	08/20/14 09:13	1

Client Sample ID: SSHS-B94-0.17-2 (1)

Lab Sample ID: 180-35729-22
Date Collected: 08/12/14 11:37
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 87.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.1	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Benzene	ND		4.1	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Bromoform	ND		4.1	0.37	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Bromomethane	ND		4.1	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
2-Butanone (MEK)	ND		4.1	0.73	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Carbon disulfide	ND		4.1	0.42	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Carbon tetrachloride	ND		4.1	0.37	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Chlorobenzene	ND		4.1	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Chlorobromomethane	ND		4.1	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Chlorodibromomethane	ND		4.1	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Chloroethane	ND		4.1	1.3	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Chloroform	ND		4.1	0.49	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Chloromethane	ND		4.1	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
cis-1,2-Dichloroethene	ND		4.1	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
cis-1,3-Dichloropropene	ND		4.1	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Cyclohexane	ND		4.1	0.31	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
1,2-Dibromo-3-Chloropropane	ND		4.1	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
1,2-Dibromoethane	ND		4.1	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
1,2-Dichlorobenzene	ND		4.1	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1

Client Sample Results

Client Sample ID: SSHS-B94-0.17-2 (1)

Lab Sample ID: 180-35729-22

Date Collected: 08/12/14 11:37
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		4.1	0.54	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
1,4-Dichlorobenzene	ND		4.1	0.53	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Dichlorobromomethane	ND		4.1	0.47	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Dichlorodifluoromethane	ND		4.1	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
1,1-Dichloroethane	ND		4.1	0.48	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
1,2-Dichloroethane	ND		4.1	0.51	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
1,1-Dichloroethene	ND		4.1	0.70	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
1,2-Dichloropropane	ND		4.1	0.45	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
1,4-Dioxane	ND		830	230	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Ethylbenzene	ND		4.1	0.53	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
2-Hexanone	ND		4.1	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Isopropylbenzene	ND		4.1	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Methyl acetate	ND		4.1	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Methylcyclohexane	ND		4.1	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Methylene Chloride	ND		4.1	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
4-Methyl-2-pentanone (MIBK)	ND		4.1	0.54	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Methyl tert-butyl ether	ND		4.1	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
m-Xylene & p-Xylene	ND		8.3	1.2	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
o-Xylene	ND		4.1	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Styrene	ND		4.1	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
1,1,2,2-Tetrachloroethane	ND		4.1	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Tetrachloroethene	ND		4.1	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Toluene	ND		4.1	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
trans-1,2-Dichloroethene	ND		4.1	0.49	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
trans-1,3-Dichloropropene	ND		4.1	0.50	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
1,2,3-Trichlorobenzene	ND		4.1	0.70	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
1,2,4-Trichlorobenzene	ND		4.1	0.73	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
1,1,1-Trichloroethane	ND		4.1	0.40	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
1,1,2-Trichloroethane	ND		4.1	0.69	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Trichloroethene	**1.7**	**J**	4.1	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Trichlorofluoromethane	ND		4.1	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.1	0.89	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1
Vinyl chloride	ND		4.1	0.39	ug/Kg	☼	08/15/14 04:00	08/15/14 12:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 04:00*	*08/15/14 12:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*	*08/15/14 04:00*	*08/15/14 12:57*	*1*
Dibromofluoromethane (Surr)	*91*		*68 - 121*	*08/15/14 04:00*	*08/15/14 12:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*	*08/15/14 04:00*	*08/15/14 12:57*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*08/15/14 04:00*	*08/15/14 12:57*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**40**	**J**	76	7.3	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Acenaphthylene	**31**	**J**	76	8.7	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Acetophenone	ND		380	31	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Anthracene	**150**		76	7.4	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Atrazine	ND		380	37	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B94-0.17-2 (1)
Date Collected: 08/12/14 11:37
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-22
Matrix: Solid
Percent Solids: 87.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		380	57	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Benzo[a]anthracene	**420**		76	9.5	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Benzo[a]pyrene	**350**		76	7.6	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Benzo[b]fluoranthene	**490**		76	12	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Benzo[g,h,i]perylene	**230**		76	7.6	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Benzo[k]fluoranthene	**150**		76	15	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
1,1'-Biphenyl	ND		380	34	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Bis(2-chloroethoxy)methane	ND		380	25	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Bis(2-chloroethyl)ether	ND		76	10	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Bis(2-ethylhexyl) phthalate	ND		760	62	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
4-Bromophenyl phenyl ether	ND		380	33	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Butyl benzyl phthalate	ND		380	52	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Caprolactam	ND		1900	290	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Carbazole	**52**	**J**	76	7.0	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
4-Chloroaniline	ND		380	30	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
4-Chloro-3-methylphenol	ND		380	35	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
2-Chloronaphthalene	ND		76	7.9	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
2-Chlorophenol	ND		380	31	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
4-Chlorophenyl phenyl ether	ND		380	42	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Chrysene	**420**		76	9.1	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Dibenz(a,h)anthracene	**72**	**J**	76	8.5	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Dibenzofuran	ND		380	37	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
3,3'-Dichlorobenzidine	ND		380	40	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
2,4-Dichlorophenol	ND		76	7.6	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Diethyl phthalate	ND		380	42	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
2,4-Dimethylphenol	ND		380	60	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Dimethyl phthalate	ND		380	41	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Di-n-butyl phthalate	ND		380	48	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
2,6-Dinitrotoluene	ND		380	39	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Di-n-octyl phthalate	ND		380	40	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
1,4-Dioxane	ND		760	44	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Fluoranthene	**890**		76	8.1	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Fluorene	**40**	**J**	76	10	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Hexachlorobenzene	ND		76	8.1	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Hexachlorobutadiene	ND		76	8.5	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Hexachlorocyclopentadiene	ND		380	41	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Hexachloroethane	ND		380	27	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Indeno[1,2,3-cd]pyrene	**190**		76	7.8	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Isophorone	ND		380	29	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
2-Methylnaphthalene	**19**	**J**	76	6.8	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Methylphenol, 3 & 4	ND		380	37	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Naphthalene	**27**	**J**	76	6.6	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
3-Nitroaniline	ND		1900	160	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1

Client Sample Results

Client Sample ID: SSHS-B94-0.17-2 (1)

Lab Sample ID: 180-35729-22

Date Collected: 08/12/14 11:37
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 87.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		760	32	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
2-Nitrophenol	ND		380	42	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
N-Nitrosodi-n-propylamine	ND		76	8.9	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
N-Nitrosodiphenylamine	ND		380	35	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
2,2'-oxybis[1-chloropropane]	ND		76	8.2	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Pentachlorophenol	ND		380	34	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Phenanthrene	**580**		76	12	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Phenol	ND		76	9.0	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
Pyrene	**770**		76	7.7	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
2,3,4,6-Tetrachlorophenol	ND		380	24	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
2,4,5-Trichlorophenol	ND		380	41	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1
2,4,6-Trichlorophenol	ND		380	57	ug/Kg	☼	08/20/14 15:58	08/21/14 14:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*480*	*T J*	*ug/Kg*	☼	*1.38*		*08/20/14 15:58*	*08/21/14 14:11*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*11.18*		*08/20/14 15:58*	*08/21/14 14:11*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*11.28*		*08/20/14 15:58*	*08/21/14 14:11*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*11.82*		*08/20/14 15:58*	*08/21/14 14:11*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*12.86*		*08/20/14 15:58*	*08/21/14 14:11*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*13.30*		*08/20/14 15:58*	*08/21/14 14:11*	*1*
Unknown PAH	*270*	*T J*	*ug/Kg*	☼	*17.07*		*08/20/14 15:58*	*08/21/14 14:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*35 - 105*	*08/20/14 15:58*	*08/21/14 14:11*	*1*
2-Fluorophenol (Surr)	*80*		*39 - 103*	*08/20/14 15:58*	*08/21/14 14:11*	*1*
Nitrobenzene-d5 (Surr)	*83*		*25 - 104*	*08/20/14 15:58*	*08/21/14 14:11*	*1*
Phenol-d5 (Surr)	*76*		*25 - 105*	*08/20/14 15:58*	*08/21/14 14:11*	*1*
Terphenyl-d14 (Surr)	*82*		*25 - 127*	*08/20/14 15:58*	*08/21/14 14:11*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*35 - 124*	*08/20/14 15:58*	*08/21/14 14:11*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.34	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
alpha-BHC	ND		1.9	0.31	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
alpha-Chlordane	ND		1.9	0.38	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
beta-BHC	ND		1.9	0.49	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
4,4'-DDD	ND		1.9	0.25	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
4,4'-DDE	ND		1.9	0.29	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
4,4'-DDT	**1.5**	**J p**	1.9	0.28	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
Dieldrin	ND		1.9	0.32	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
Endosulfan I	ND		1.9	0.36	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
Endosulfan II	ND		1.9	0.34	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
Endosulfan sulfate	ND		1.9	0.20	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
Endrin	**0.76**	**J**	1.9	0.37	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
Endrin aldehyde	ND		1.9	0.37	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
Endrin ketone	ND		1.9	0.30	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1

Client Sample ID: SSHS-B94-0.17-2 (1)
Date Collected: 08/12/14 11:37
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-22
Matrix: Solid
Percent Solids: 87.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	ND		1.9	0.38	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
Heptachlor epoxide	**0.38**	**J p**	1.9	0.37	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
Methoxychlor	**1.7**	**J p**	3.8	0.40	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1
Toxaphene	ND		76	13	ug/Kg	☼	08/21/14 14:57	08/22/14 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/21/14 14:57*	*08/22/14 16:19*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 130*	*08/21/14 14:57*	*08/22/14 16:19*	*1*
Tetrachloro-m-xylene	*79*		*45 - 130*	*08/21/14 14:57*	*08/22/14 16:19*	*1*
Tetrachloro-m-xylene	*77*		*45 - 130*	*08/21/14 14:57*	*08/22/14 16:19*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/21/14 14:57	08/23/14 19:54	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/21/14 14:57	08/23/14 19:54	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/21/14 14:57	08/23/14 19:54	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/21/14 14:57	08/23/14 19:54	1
PCB-1248	**39**		19	1.8	ug/Kg	☼	08/21/14 14:57	08/23/14 19:54	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/21/14 14:57	08/23/14 19:54	1
PCB-1260	**9.8**	**J**	19	2.7	ug/Kg	☼	08/21/14 14:57	08/23/14 20:27	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/21/14 14:57	08/23/14 19:54	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/21/14 14:57	08/23/14 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*	*08/21/14 14:57*	*08/23/14 19:54*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/21/14 14:57*	*08/23/14 20:27*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*45 - 135*	*08/21/14 14:57*	*08/23/14 19:54*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*	*08/21/14 14:57*	*08/23/14 20:27*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7400**		23	2.4	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Antimony	ND		1.1	0.23	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Arsenic	**8.2**		1.1	0.35	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Barium	**60**		23	0.015	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Beryllium	**0.34**	**J**	0.46	0.013	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Cadmium	**0.13**	**J B**	0.57	0.016	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Calcium	**23000**		570	1.7	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Chromium	**9.4**		0.57	0.088	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Cobalt	**6.8**		5.7	0.048	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Copper	**21**		2.9	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Iron	**16000**		11	1.0	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Lead	**39**		1.1	0.12	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Magnesium	**3000**		570	2.4	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Manganese	**350**		1.7	0.10	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Nickel	**17**	**B**	4.6	0.054	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Potassium	**580**	**B**	570	7.3	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Selenium	ND		1.1	0.31	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Silver	ND		0.57	0.046	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1

Client Sample Results

Client Sample ID: SSHS-B94-0.17-2 (1)

Lab Sample ID: 180-35729-22

Date Collected: 08/12/14 11:37
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 87.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**50**	**J B**	570	1.2	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Vanadium	**11**		5.7	0.20	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1
Zinc	**59**	**B**	2.3	0.12	mg/Kg	☼	08/20/14 13:51	08/26/14 13:08	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.028**	**J**	0.034	0.011	mg/Kg	☼	08/21/14 10:25	08/21/14 14:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10	0.10	%			08/14/14 11:35	1
Percent Solids	**88**		0.10	0.10	%			08/14/14 11:35	1
Cyanide, Total	ND		0.58	0.17	mg/Kg	☼	08/20/14 07:00	08/20/14 09:13	1

Client Sample ID: SSHS-B94-2-6 (6)

Lab Sample ID: 180-35729-23

Date Collected: 08/12/14 11:41
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 92.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.2	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Benzene	ND		4.2	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Bromoform	ND		4.2	0.37	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Bromomethane	ND		4.2	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
2-Butanone (MEK)	ND		4.2	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Carbon disulfide	ND		4.2	0.43	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Carbon tetrachloride	ND		4.2	0.37	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Chlorobenzene	ND		4.2	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Chlorobromomethane	ND		4.2	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Chlorodibromomethane	ND		4.2	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Chloroethane	ND		4.2	1.3	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Chloroform	ND		4.2	0.49	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Chloromethane	ND		4.2	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
cis-1,2-Dichloroethene	ND		4.2	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
cis-1,3-Dichloropropene	ND		4.2	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Cyclohexane	ND		4.2	0.31	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
1,2-Dibromo-3-Chloropropane	ND		4.2	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
1,2-Dibromoethane	ND		4.2	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
1,2-Dichlorobenzene	ND		4.2	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
1,3-Dichlorobenzene	ND		4.2	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
1,4-Dichlorobenzene	ND		4.2	0.53	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Dichlorobromomethane	ND		4.2	0.47	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Dichlorodifluoromethane	ND		4.2	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
1,1-Dichloroethane	ND		4.2	0.48	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
1,2-Dichloroethane	ND		4.2	0.51	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
1,1-Dichloroethene	ND		4.2	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
1,2-Dichloropropane	ND		4.2	0.45	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
1,4-Dioxane	ND		840	230	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Ethylbenzene	ND		4.2	0.54	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1

Client Sample ID: SSHS-B94-2-6 (6)
Date Collected: 08/12/14 11:41
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-23
Matrix: Solid
Percent Solids: 92.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		4.2	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Isopropylbenzene	ND		4.2	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Methyl acetate	ND		4.2	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Methylcyclohexane	ND		4.2	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Methylene Chloride	ND		4.2	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Methyl tert-butyl ether	ND		4.2	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
m-Xylene & p-Xylene	ND		8.4	1.2	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
o-Xylene	ND		4.2	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Styrene	ND		4.2	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Tetrachloroethene	ND		4.2	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Toluene	ND		4.2	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
trans-1,2-Dichloroethene	ND		4.2	0.50	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
trans-1,3-Dichloropropene	ND		4.2	0.50	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
1,2,3-Trichlorobenzene	ND		4.2	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
1,2,4-Trichlorobenzene	ND		4.2	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
1,1,1-Trichloroethane	ND		4.2	0.41	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
1,1,2-Trichloroethane	ND		4.2	0.70	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Trichloroethene	**9.5**		4.2	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Trichlorofluoromethane	ND		4.2	0.77	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.89	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1
Vinyl chloride	ND		4.2	0.39	ug/Kg	☼	08/15/14 04:00	08/15/14 13:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 04:00*	*08/15/14 13:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*	*08/15/14 04:00*	*08/15/14 13:19*	*1*
Dibromofluoromethane (Surr)	*105*		*68 - 121*	*08/15/14 04:00*	*08/15/14 13:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*52 - 124*	*08/15/14 04:00*	*08/15/14 13:19*	*1*
Toluene-d8 (Surr)	*104*		*72 - 127*	*08/15/14 04:00*	*08/15/14 13:19*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	6.9	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Acenaphthylene	**8.9**	**J**	73	8.3	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Acetophenone	ND		360	30	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Anthracene	**11**	**J**	73	7.1	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Atrazine	ND		360	35	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Benzaldehyde	ND		360	54	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Benzo[a]anthracene	**61**	**J**	73	9.1	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Benzo[a]pyrene	**68**	**J**	73	7.2	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Benzo[b]fluoranthene	**77**		73	11	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Benzo[g,h,i]perylene	**59**	**J**	73	7.2	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Benzo[k]fluoranthene	**34**	**J**	73	15	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Bis(2-chloroethyl)ether	ND		73	9.7	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Bis(2-ethylhexyl) phthalate	ND		730	58	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1

Client Sample ID: SSHS-B94-2-6 (6)
Date Collected: 08/12/14 11:41
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-23
Matrix: Solid
Percent Solids: 92.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		360	31	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Butyl benzyl phthalate	ND		360	49	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Carbazole	ND		73	6.7	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
2-Chloronaphthalene	ND		73	7.5	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Chrysene	**60**	**J**	73	8.6	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Dibenz(a,h)anthracene	ND		73	8.0	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Dimethyl phthalate	ND		360	39	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Di-n-butyl phthalate	ND		360	45	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
4,6-Dinitro-2-methylphenol	ND		1800	150	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
2,6-Dinitrotoluene	ND		360	37	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
1,4-Dioxane	ND		730	41	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Fluoranthene	**83**		73	7.7	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Fluorene	ND		73	9.5	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Hexachlorobenzene	ND		73	7.7	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Hexachlorobutadiene	ND		73	8.1	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Indeno[1,2,3-cd]pyrene	**56**	**J**	73	7.5	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Isophorone	ND		360	27	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
2-Methylnaphthalene	**14**	**J**	73	6.5	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Methylphenol, 3 & 4	ND		360	35	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Naphthalene	**19**	**J**	73	6.2	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
4-Nitroaniline	ND		1800	150	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
N-Nitrosodi-n-propylamine	ND		73	8.5	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
N-Nitrosodiphenylamine	ND		360	33	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
2,2'-oxybis[1-chloropropane]	ND		73	7.8	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Pentachlorophenol	ND		360	32	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Phenanthrene	**57**	**J**	73	12	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Phenol	ND		73	8.5	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
Pyrene	**85**		73	7.3	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B94-2-6 (6)
Date Collected: 08/12/14 11:41
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-23
Matrix: Solid
Percent Solids: 92.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		360	27	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/20/14 15:58	08/21/14 14:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*320*	*T J*	*ug/Kg*	☼	*13.29*		*08/20/14 15:58*	*08/21/14 14:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*35 - 105*	*08/20/14 15:58*	*08/21/14 14:38*	*1*
2-Fluorophenol (Surr)	*78*		*39 - 103*	*08/20/14 15:58*	*08/21/14 14:38*	*1*
Nitrobenzene-d5 (Surr)	*84*		*25 - 104*	*08/20/14 15:58*	*08/21/14 14:38*	*1*
Phenol-d5 (Surr)	*75*		*25 - 105*	*08/20/14 15:58*	*08/21/14 14:38*	*1*
Terphenyl-d14 (Surr)	*89*		*25 - 127*	*08/20/14 15:58*	*08/21/14 14:38*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*35 - 124*	*08/20/14 15:58*	*08/21/14 14:38*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
alpha-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
beta-BHC	ND		1.8	0.47	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
4,4'-DDD	ND		1.8	0.24	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
4,4'-DDT	**5.1**		1.8	0.27	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
delta-BHC	ND		1.8	0.28	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
Dieldrin	**0.31**	**J p**	1.8	0.30	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
Endosulfan I	**0.43**	**J**	1.8	0.34	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
Endosulfan sulfate	**0.45**	**J p**	1.8	0.19	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
Endrin	**2.3**	**p**	1.8	0.35	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
Endrin ketone	**0.37**	**J p**	1.8	0.28	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
gamma-BHC (Lindane)	ND		1.8	0.32	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
gamma-Chlordane	**3.6**	**p**	1.8	0.36	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
Heptachlor epoxide	**2.2**	**p**	1.8	0.35	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1
Toxaphene	ND		73	12	ug/Kg	☼	08/21/14 14:57	08/22/14 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/21/14 14:57*	*08/22/14 16:34*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*	*08/21/14 14:57*	*08/22/14 16:34*	*1*
Tetrachloro-m-xylene	*75*		*45 - 130*	*08/21/14 14:57*	*08/22/14 16:34*	*1*
Tetrachloro-m-xylene	*69*		*45 - 130*	*08/21/14 14:57*	*08/22/14 16:34*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/21/14 14:57	08/23/14 20:59	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/21/14 14:57	08/23/14 20:59	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/21/14 14:57	08/23/14 20:59	1

Client Sample ID: SSHS-B94-2-6 (6)

Lab Sample ID: 180-35729-23

Date Collected: 08/12/14 11:41
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 92.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		18	2.9	ug/Kg	☼	08/21/14 14:57	08/23/14 20:59	1
PCB-1248	**380**		18	1.7	ug/Kg	☼	08/21/14 14:57	08/23/14 20:59	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/21/14 14:57	08/23/14 20:59	1
PCB-1260	**29**		18	2.6	ug/Kg	☼	08/21/14 14:57	08/23/14 20:59	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/21/14 14:57	08/23/14 20:59	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/21/14 14:57	08/23/14 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*45 - 125*	*08/21/14 14:57*	*08/23/14 20:27*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/21/14 14:57*	*08/23/14 20:59*	*1*
Tetrachloro-m-xylene (Surr)	*64*		*45 - 135*	*08/21/14 14:57*	*08/23/14 20:27*	*1*
Tetrachloro-m-xylene (Surr)	*69*		*45 - 135*	*08/21/14 14:57*	*08/23/14 20:59*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6700**		21	2.2	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Antimony	ND		1.0	0.21	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Arsenic	**6.6**		1.0	0.32	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Barium	**71**		21	0.013	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Beryllium	**0.30**	**J**	0.41	0.012	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Cadmium	**0.072**	**J B**	0.52	0.015	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Calcium	**17000**		520	1.6	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Chromium	**8.6**		0.52	0.080	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Cobalt	**5.9**		5.2	0.043	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Copper	**38**		2.6	0.15	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Iron	**17000**		10	0.92	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Lead	**20**		1.0	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Magnesium	**5000**		520	2.1	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Manganese	**420**		1.5	0.092	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Nickel	**27**	**B**	4.1	0.049	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Potassium	**540**	**B**	520	6.6	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Selenium	**0.60**	**J**	1.0	0.28	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Sodium	**72**	**J B**	520	1.1	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Vanadium	**11**		5.2	0.18	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1
Zinc	**63**	**B**	2.1	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 13:13	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.019**	**J**	0.035	0.012	mg/Kg	☼	08/21/14 10:25	08/21/14 14:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.8**		0.10	0.10	%			08/14/14 11:35	1
Percent Solids	**92**		0.10	0.10	%			08/14/14 11:35	1
Cyanide, Total	**0.68**		0.55	0.16	mg/Kg	☼	08/20/14 07:00	08/20/14 09:20	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B94-6-10 (7)

Date Collected: 08/12/14 11:47
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-24

Matrix: Solid
Percent Solids: 91.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		16	4.1	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Benzene	ND		4.1	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Bromoform	ND		4.1	0.36	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Bromomethane	ND		4.1	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
2-Butanone (MEK)	ND		4.1	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Carbon disulfide	ND		4.1	0.42	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Carbon tetrachloride	ND		4.1	0.36	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Chlorobenzene	ND		4.1	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Chlorobromomethane	ND		4.1	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Chlorodibromomethane	ND		4.1	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Chloroethane	ND		4.1	1.3	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Chloroform	ND		4.1	0.48	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Chloromethane	ND		4.1	0.70	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
cis-1,2-Dichloroethene	**3.1**	**J**	4.1	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
cis-1,3-Dichloropropene	ND		4.1	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Cyclohexane	ND		4.1	0.30	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
1,2-Dibromo-3-Chloropropane	ND		4.1	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
1,2-Dibromoethane	ND		4.1	0.70	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
1,2-Dichlorobenzene	ND		4.1	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
1,3-Dichlorobenzene	ND		4.1	0.54	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
1,4-Dichlorobenzene	ND		4.1	0.52	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Dichlorobromomethane	ND		4.1	0.46	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Dichlorodifluoromethane	ND		4.1	0.54	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
1,1-Dichloroethane	ND		4.1	0.47	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
1,2-Dichloroethane	ND		4.1	0.50	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
1,1-Dichloroethene	ND		4.1	0.69	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
1,2-Dichloropropane	ND		4.1	0.44	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
1,4-Dioxane	ND		820	230	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Ethylbenzene	ND		4.1	0.52	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
2-Hexanone	ND		4.1	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Isopropylbenzene	ND		4.1	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Methyl acetate	ND		4.1	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Methylcyclohexane	ND		4.1	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Methylene Chloride	ND		4.1	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
4-Methyl-2-pentanone (MIBK)	ND		4.1	0.53	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Methyl tert-butyl ether	ND		4.1	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
m-Xylene & p-Xylene	ND		8.2	1.2	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
o-Xylene	ND		4.1	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Styrene	ND		4.1	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
1,1,2,2-Tetrachloroethane	ND		4.1	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Tetrachloroethene	ND		4.1	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Toluene	ND		4.1	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
trans-1,2-Dichloroethene	ND		4.1	0.49	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
trans-1,3-Dichloropropene	ND		4.1	0.49	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
1,2,3-Trichlorobenzene	ND		4.1	0.69	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
1,2,4-Trichlorobenzene	ND		4.1	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
1,1,1-Trichloroethane	ND		4.1	0.40	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
1,1,2-Trichloroethane	ND		4.1	0.68	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Trichloroethene	**67**		4.1	0.54	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1

Client Sample ID: SSHS-B94-6-10 (7)
Date Collected: 08/12/14 11:47
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-24
Matrix: Solid
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.1	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.1	0.87	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1
Vinyl chloride	ND		4.1	0.38	ug/Kg	☼	08/15/14 04:00	08/15/14 13:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 04:00*	*08/15/14 13:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*08/15/14 04:00*	*08/15/14 13:42*	*1*
Dibromofluoromethane (Surr)	*107*		*68 - 121*	*08/15/14 04:00*	*08/15/14 13:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*52 - 124*	*08/15/14 04:00*	*08/15/14 13:42*	*1*
Toluene-d8 (Surr)	*111*		*72 - 127*	*08/15/14 04:00*	*08/15/14 13:42*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Acenaphthylene	ND		73	8.3	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Acetophenone	ND		360	30	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Anthracene	ND		73	7.1	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Atrazine	ND		360	35	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Benzo[a]anthracene	ND		73	9.1	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Benzo[a]pyrene	ND		73	7.3	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Benzo[b]fluoranthene	ND		73	11	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Benzo[g,h,i]perylene	ND		73	7.2	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Benzo[k]fluoranthene	ND		73	15	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Bis(2-chloroethyl)ether	ND		73	9.8	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Caprolactam	ND		1900	270	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Carbazole	ND		73	6.7	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Chrysene	ND		73	8.7	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Dibenz(a,h)anthracene	ND		73	8.1	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
2,4-Dinitrophenol	ND		1900	430	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1

Client Sample ID: SSHS-B94-6-10 (7)

Date Collected: 08/12/14 11:47
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-24

Matrix: Solid
Percent Solids: 91.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Fluoranthene	**21**	**J**	73	7.8	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Fluorene	ND		73	9.6	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Hexachlorobenzene	ND		73	7.8	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Hexachlorobutadiene	ND		73	8.1	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Indeno[1,2,3-cd]pyrene	ND		73	7.5	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Isophorone	ND		360	27	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
2-Methylnaphthalene	**7.6**	**J**	73	6.5	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Naphthalene	ND		73	6.3	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
N-Nitrosodi-n-propylamine	ND		73	8.5	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
2,2'-oxybis[1-chloropropane]	ND		73	7.9	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Phenanthrene	**22**	**J**	73	12	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Phenol	ND		73	8.6	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
Pyrene	**20**	**J**	73	7.4	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/20/14 15:58	08/21/14 15:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*360*	*T J*	*ug/Kg*	☼	*13.29*		*08/20/14 15:58*	*08/21/14 15:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*35 - 105*	*08/20/14 15:58*	*08/21/14 15:04*	*1*
2-Fluorophenol (Surr)	*76*		*39 - 103*	*08/20/14 15:58*	*08/21/14 15:04*	*1*
Nitrobenzene-d5 (Surr)	*80*		*25 - 104*	*08/20/14 15:58*	*08/21/14 15:04*	*1*
Phenol-d5 (Surr)	*69*		*25 - 105*	*08/20/14 15:58*	*08/21/14 15:04*	*1*
Terphenyl-d14 (Surr)	*72*		*25 - 127*	*08/20/14 15:58*	*08/21/14 15:04*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*35 - 124*	*08/20/14 15:58*	*08/21/14 15:04*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**8.8**	**p**	1.9	0.33	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
alpha-Chlordane	**0.74**	**J p**	1.9	0.36	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1

Client Sample Results

Client Sample ID: SSHS-B94-6-10 (7)
Date Collected: 08/12/14 11:47
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-24
Matrix: Solid
Percent Solids: 91.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	**1.8**	**J p**	1.9	0.47	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
4,4'-DDD	**0.42**	**J p**	1.9	0.24	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
4,4'-DDE	ND		1.9	0.27	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
4,4'-DDT	**3.0**	**p**	1.9	0.27	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
Dieldrin	**1.8**	**J**	1.9	0.30	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
Endosulfan I	**3.2**		1.9	0.34	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
Endosulfan II	**0.36**	**J p**	1.9	0.32	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
Endosulfan sulfate	**1.9**	**p**	1.9	0.19	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
Endrin	**9.4**	**p**	1.9	0.35	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
Endrin aldehyde	**0.89**	**J p**	1.9	0.35	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
Endrin ketone	ND		1.9	0.28	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
gamma-Chlordane	**35**		1.9	0.36	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
Heptachlor	ND		1.9	0.40	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
Heptachlor epoxide	**28**	**p**	1.9	0.35	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
Methoxychlor	**7.1**	**p**	3.6	0.38	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1
Toxaphene	ND		73	12	ug/Kg	☼	08/21/14 15:25	08/22/14 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/21/14 15:25*	*08/22/14 16:50*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/21/14 15:25*	*08/22/14 16:50*	*1*
Tetrachloro-m-xylene	*83*		*45 - 130*	*08/21/14 15:25*	*08/22/14 16:50*	*1*
Tetrachloro-m-xylene	*78*		*45 - 130*	*08/21/14 15:25*	*08/22/14 16:50*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/21/14 15:25	08/23/14 20:59	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/21/14 15:25	08/23/14 20:59	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/21/14 15:25	08/23/14 20:59	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/21/14 15:25	08/23/14 20:59	1
PCB-1248	**1600**		18	1.7	ug/Kg	☼	08/21/14 15:25	08/23/14 20:59	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/21/14 15:25	08/23/14 20:59	1
PCB-1260	**130**		18	2.6	ug/Kg	☼	08/21/14 15:25	08/23/14 21:31	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/21/14 15:25	08/23/14 20:59	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/21/14 15:25	08/23/14 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*45 - 125*	*08/21/14 15:25*	*08/23/14 20:59*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/21/14 15:25*	*08/23/14 21:31*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*45 - 135*	*08/21/14 15:25*	*08/23/14 20:59*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*	*08/21/14 15:25*	*08/23/14 21:31*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7100**		21	2.2	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Antimony	ND		1.0	0.21	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Arsenic	**8.0**		1.0	0.32	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Barium	**59**		21	0.013	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Beryllium	**0.30**	**J**	0.42	0.012	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1

Client Sample ID: SSHS-B94-6-10 (7)

Date Collected: 08/12/14 11:47
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-24
Matrix: Solid
Percent Solids: 91.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.060**	**J B**	0.52	0.015	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Calcium	**45000**		520	1.6	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Chromium	**12**		0.52	0.081	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Cobalt	**6.4**		5.2	0.044	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Copper	**22**		2.6	0.15	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Iron	**17000**		10	0.93	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Lead	**17**		1.0	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Magnesium	**7600**		520	2.2	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Manganese	**430**		1.6	0.093	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Nickel	**20**	**B**	4.2	0.050	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Potassium	**590**	**B**	520	6.7	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Selenium	**0.71**	**J**	1.0	0.28	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Sodium	**86**	**J B**	520	1.1	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Vanadium	**12**		5.2	0.18	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1
Zinc	**55**	**B**	2.1	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 13:18	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.017**	**J**	0.036	0.012	mg/Kg	☼	08/21/14 10:25	08/21/14 14:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.4**		0.10	0.10	%			08/14/14 11:35	1
Percent Solids	**92**		0.10	0.10	%			08/14/14 11:35	1
Cyanide, Total	**0.42**	**J**	0.56	0.16	mg/Kg	☼	08/20/14 07:00	08/20/14 09:20	1

Client Sample ID: SSHS-B94-10-16 (14)

Date Collected: 08/12/14 11:55
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-25
Matrix: Solid
Percent Solids: 90.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.4	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Benzene	ND		4.4	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Bromoform	ND		4.4	0.39	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Bromomethane	ND		4.4	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
2-Butanone (MEK)	ND		4.4	0.77	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Carbon disulfide	ND		4.4	0.45	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Carbon tetrachloride	ND		4.4	0.39	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Chlorobenzene	ND		4.4	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Chlorobromomethane	ND		4.4	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Chlorodibromomethane	ND		4.4	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Chloroethane	ND		4.4	1.4	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Chloroform	ND		4.4	0.51	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Chloromethane	ND		4.4	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
cis-1,2-Dichloroethene	**0.69**	**J**	4.4	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
cis-1,3-Dichloropropene	ND		4.4	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Cyclohexane	ND		4.4	0.32	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1

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

Client Sample ID: SSHS-B94-10-16 (14)
Date Collected: 08/12/14 11:55
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-25
Matrix: Solid
Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.4	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
1,2-Dibromoethane	ND		4.4	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
1,2-Dichlorobenzene	ND		4.4	0.70	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
1,3-Dichlorobenzene	ND		4.4	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
1,4-Dichlorobenzene	ND		4.4	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Dichlorobromomethane	ND		4.4	0.49	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Dichlorodifluoromethane	ND		4.4	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
1,1-Dichloroethane	ND		4.4	0.50	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
1,2-Dichloroethane	ND		4.4	0.54	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
1,1-Dichloroethene	ND		4.4	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
1,2-Dichloropropane	ND		4.4	0.47	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
1,4-Dioxane	ND		870	240	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Ethylbenzene	ND		4.4	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
2-Hexanone	ND		4.4	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Isopropylbenzene	ND		4.4	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Methyl acetate	ND		4.4	0.79	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Methylcyclohexane	ND		4.4	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Methylene Chloride	ND		4.4	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
4-Methyl-2-pentanone (MIBK)	ND		4.4	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Methyl tert-butyl ether	ND		4.4	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
m-Xylene & p-Xylene	ND		8.7	1.3	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
o-Xylene	ND		4.4	0.68	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Styrene	ND		4.4	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
1,1,2,2-Tetrachloroethane	ND		4.4	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Tetrachloroethene	ND		4.4	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Toluene	ND		4.4	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
trans-1,2-Dichloroethene	ND		4.4	0.52	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
trans-1,3-Dichloropropene	ND		4.4	0.52	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
1,2,3-Trichlorobenzene	ND		4.4	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
1,2,4-Trichlorobenzene	ND		4.4	0.77	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
1,1,1-Trichloroethane	ND		4.4	0.42	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
1,1,2-Trichloroethane	ND		4.4	0.73	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Trichloroethene	**41**		4.4	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Trichlorofluoromethane	ND		4.4	0.80	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.4	0.93	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1
Vinyl chloride	ND		4.4	0.41	ug/Kg	☼	08/15/14 04:00	08/15/14 14:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 04:00*	*08/15/14 14:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*63 - 120*	*08/15/14 04:00*	*08/15/14 14:04*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/15/14 04:00*	*08/15/14 14:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*52 - 124*	*08/15/14 04:00*	*08/15/14 14:04*	*1*
Toluene-d8 (Surr)	*105*		*72 - 127*	*08/15/14 04:00*	*08/15/14 14:04*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	7.1	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Acenaphthylene	ND		74	8.5	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1

Client Sample ID: SSHS-B94-10-16 (14)
Lab Sample ID: 180-35729-25
Date Collected: 08/12/14 11:55
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 90.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		370	30	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Anthracene	ND		74	7.2	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Atrazine	ND		370	36	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Benzaldehyde	ND		370	55	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Benzo[a]anthracene	ND		74	9.3	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Benzo[a]pyrene	ND		74	7.4	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Benzo[b]fluoranthene	ND		74	12	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Benzo[g,h,i]perylene	ND		74	7.3	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Benzo[k]fluoranthene	ND		74	15	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Bis(2-chloroethoxy)methane	ND		370	24	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Bis(2-ethylhexyl) phthalate	ND		740	60	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Butyl benzyl phthalate	ND		370	50	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Carbazole	ND		74	6.8	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
2-Chlorophenol	ND		370	30	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Chrysene	ND		74	8.8	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Dibenz(a,h)anthracene	ND		74	8.2	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Dibenzofuran	ND		370	36	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Diethyl phthalate	ND		370	40	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Dimethyl phthalate	ND		370	40	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Di-n-butyl phthalate	ND		370	46	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Fluoranthene	ND		74	7.9	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Fluorene	ND		74	9.7	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Hexachlorobenzene	ND		74	7.9	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Hexachlorobutadiene	ND		74	8.3	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Indeno[1,2,3-cd]pyrene	ND		74	7.6	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Isophorone	ND		370	28	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
2-Methylnaphthalene	ND		74	6.6	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Methylphenol, 3 & 4	ND		370	36	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Naphthalene	ND		74	6.4	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1

Client Sample Results

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

Client Sample ID: SSHS-B94-10-16 (14)
Date Collected: 08/12/14 11:55
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-25
Matrix: Solid
Percent Solids: 90.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
N-Nitrosodi-n-propylamine	ND		74	8.7	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
N-Nitrosodiphenylamine	ND		370	34	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
2,2'-oxybis[1-chloropropane]	ND		74	8.0	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Phenanthrene	ND		74	12	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Phenol	ND		74	8.7	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
Pyrene	ND		74	7.5	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
2,4,5-Trichlorophenol	ND		370	39	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1
2,4,6-Trichlorophenol	ND		370	55	ug/Kg	☼	08/20/14 15:58	08/21/14 15:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190*	*T J*	*ug/Kg*	☼	*13.29*		*08/20/14 15:58*	*08/21/14 15:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*35 - 105*	*08/20/14 15:58*	*08/21/14 15:30*	*1*
2-Fluorophenol (Surr)	*81*		*39 - 103*	*08/20/14 15:58*	*08/21/14 15:30*	*1*
Nitrobenzene-d5 (Surr)	*82*		*25 - 104*	*08/20/14 15:58*	*08/21/14 15:30*	*1*
Phenol-d5 (Surr)	*78*		*25 - 105*	*08/20/14 15:58*	*08/21/14 15:30*	*1*
Terphenyl-d14 (Surr)	*76*		*25 - 127*	*08/20/14 15:58*	*08/21/14 15:30*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*35 - 124*	*08/20/14 15:58*	*08/21/14 15:30*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
4,4'-DDT	**2.7**		1.9	0.27	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
delta-BHC	**1.3**	**J**	1.9	0.28	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
Endosulfan I	**0.44**	**J**	1.9	0.34	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
Endosulfan sulfate	**0.33**	**J p**	1.9	0.19	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
Endrin	**1.6**	**J p**	1.9	0.36	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
Endrin ketone	**0.37**	**J p**	1.9	0.29	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
gamma-Chlordane	**3.3**	**p**	1.9	0.36	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
Heptachlor epoxide	**4.0**	**p**	1.9	0.36	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1

Client Sample ID: SSHS-B94-10-16 (14)
Lab Sample ID: 180-35729-25
Date Collected: 08/12/14 11:55
Matrix: Solid
Date Received: 08/13/14 12:37
Percent Solids: 90.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	**1.2**	**J p**	3.6	0.38	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1
Toxaphene	ND		74	12	ug/Kg	☼	08/21/14 15:25	08/22/14 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/21/14 15:25*	*08/22/14 17:05*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/21/14 15:25*	*08/22/14 17:05*	*1*
Tetrachloro-m-xylene	*85*		*45 - 130*	*08/21/14 15:25*	*08/22/14 17:05*	*1*
Tetrachloro-m-xylene	*78*		*45 - 130*	*08/21/14 15:25*	*08/22/14 17:05*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/21/14 15:25	08/23/14 22:04	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/21/14 15:25	08/23/14 22:04	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/21/14 15:25	08/23/14 22:04	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/21/14 15:25	08/23/14 22:04	1
PCB-1248	**290**		18	1.7	ug/Kg	☼	08/21/14 15:25	08/23/14 22:04	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/21/14 15:25	08/23/14 22:04	1
PCB-1260	**22**		18	2.6	ug/Kg	☼	08/21/14 15:25	08/23/14 22:04	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/21/14 15:25	08/23/14 22:04	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/21/14 15:25	08/23/14 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 125*	*08/21/14 15:25*	*08/23/14 21:31*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/21/14 15:25*	*08/23/14 22:04*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*45 - 135*	*08/21/14 15:25*	*08/23/14 21:31*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*	*08/21/14 15:25*	*08/23/14 22:04*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6600**		23	2.4	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Antimony	ND		1.1	0.23	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Arsenic	**7.5**		1.1	0.35	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Barium	**53**		23	0.015	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Beryllium	**0.29**	**J**	0.46	0.013	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Cadmium	**0.094**	**J B**	0.57	0.016	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Calcium	**22000**		570	1.7	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Chromium	**10**		0.57	0.088	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Cobalt	**5.9**		5.7	0.048	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Copper	**25**		2.9	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Iron	**16000**		11	1.0	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Lead	**11**		1.1	0.12	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Magnesium	**7100**		570	2.4	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Manganese	**640**		1.7	0.10	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Nickel	**17**	**B**	4.6	0.054	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Potassium	**740**	**B**	570	7.3	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Selenium	**0.33**	**J**	1.1	0.31	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Silver	ND		0.57	0.046	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Sodium	**61**	**J B**	570	1.2	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1
Vanadium	**11**		5.7	0.20	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1

Client Sample ID: SSHS-B94-10-16 (14)

Lab Sample ID: 180-35729-25

Date Collected: 08/12/14 11:55

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 90.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	**56**	**B**	2.3	0.12	mg/Kg	☼	08/20/14 13:51	08/26/14 13:24	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.020**	**J**	0.035	0.012	mg/Kg	☼	08/21/14 10:25	08/21/14 14:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.6**		0.10	0.10	%			08/14/14 11:35	1
Percent Solids	**90**		0.10	0.10	%			08/14/14 11:35	1
Cyanide, Total	**0.27**	**J**	0.54	0.16	mg/Kg	☼	08/20/14 07:00	08/20/14 09:20	1

Client Sample ID: DUP-1

Lab Sample ID: 180-35729-26

Date Collected: 08/12/14 00:00

Matrix: Solid

Date Received: 08/13/14 12:37

Percent Solids: 90.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.3	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Benzene	ND		4.3	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Bromoform	ND		4.3	0.38	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Bromomethane	ND		4.3	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
2-Butanone (MEK)	ND		4.3	0.76	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Carbon disulfide	ND		4.3	0.44	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Carbon tetrachloride	ND		4.3	0.39	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Chlorobenzene	ND		4.3	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Chlorobromomethane	ND		4.3	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Chlorodibromomethane	ND		4.3	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Chloroethane	ND		4.3	1.3	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Chloroform	ND		4.3	0.51	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Chloromethane	ND		4.3	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
cis-1,2-Dichloroethene	ND		4.3	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
cis-1,3-Dichloropropene	ND		4.3	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Cyclohexane	ND		4.3	0.32	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
1,2-Dibromo-3-Chloropropane	ND		4.3	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
1,2-Dibromoethane	ND		4.3	0.75	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
1,2-Dichlorobenzene	ND		4.3	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
1,3-Dichlorobenzene	ND		4.3	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
1,4-Dichlorobenzene	ND		4.3	0.55	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Dichlorobromomethane	ND		4.3	0.49	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Dichlorodifluoromethane	ND		4.3	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
1,1-Dichloroethane	ND		4.3	0.50	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
1,2-Dichloroethane	ND		4.3	0.53	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
1,1-Dichloroethene	ND		4.3	0.73	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
1,2-Dichloropropane	ND		4.3	0.47	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
1,4-Dioxane	ND		870	240	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Ethylbenzene	ND		4.3	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
2-Hexanone	ND		4.3	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Isopropylbenzene	ND		4.3	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Methyl acetate	ND		4.3	0.78	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: DUP-1
Date Collected: 08/12/14 00:00
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-26
Matrix: Solid
Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		4.3	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Methylene Chloride	ND		4.3	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
4-Methyl-2-pentanone (MIBK)	ND		4.3	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Methyl tert-butyl ether	ND		4.3	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
m-Xylene & p-Xylene	ND		8.7	1.3	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
o-Xylene	ND		4.3	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Styrene	ND		4.3	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Tetrachloroethene	ND		4.3	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Toluene	ND		4.3	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
trans-1,2-Dichloroethene	ND		4.3	0.52	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
trans-1,3-Dichloropropene	ND		4.3	0.52	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
1,2,3-Trichlorobenzene	ND		4.3	0.73	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
1,2,4-Trichlorobenzene	ND		4.3	0.76	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
1,1,1-Trichloroethane	ND		4.3	0.42	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
1,1,2-Trichloroethane	ND		4.3	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Trichloroethene	**3.1**	**J**	4.3	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Trichlorofluoromethane	ND		4.3	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3	0.92	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1
Vinyl chloride	ND		4.3	0.41	ug/Kg	☼	08/15/14 22:06	08/16/14 01:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/16/14 01:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*63 - 120*	*08/15/14 22:06*	*08/16/14 01:41*	*1*
Dibromofluoromethane (Surr)	*107*		*68 - 121*	*08/15/14 22:06*	*08/16/14 01:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*	*08/15/14 22:06*	*08/16/14 01:41*	*1*
Toluene-d8 (Surr)	*107*		*72 - 127*	*08/15/14 22:06*	*08/16/14 01:41*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	7.0	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Acenaphthylene	ND		74	8.4	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Acetophenone	ND		360	30	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Anthracene	ND		74	7.2	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Atrazine	ND		360	36	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Benzo[a]anthracene	ND		74	9.2	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Benzo[a]pyrene	ND		74	7.3	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Benzo[b]fluoranthene	ND		74	12	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Benzo[g,h,i]perylene	ND		74	7.3	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Benzo[k]fluoranthene	ND		74	15	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Bis(2-chloroethyl)ether	ND		74	9.8	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Bis(2-ethylhexyl) phthalate	ND		740	59	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1

Client Sample ID: DUP-1 **Lab Sample ID: 180-35729-26**
Date Collected: 08/12/14 00:00 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 90.9**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		74	6.8	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Chrysene	ND		74	8.7	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Dibenz(a,h)anthracene	ND		74	8.2	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Fluoranthene	**21**	**J**	74	7.8	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Fluorene	ND		74	9.7	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Hexachlorobenzene	ND		74	7.8	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Hexachlorobutadiene	ND		74	8.2	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Hexachlorocyclopentadiene	ND		360	40	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Indeno[1,2,3-cd]pyrene	ND		74	7.6	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Isophorone	ND		360	28	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
2-Methylnaphthalene	**6.9**	**J**	74	6.6	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Naphthalene	ND		74	6.3	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
N-Nitrosodi-n-propylamine	ND		74	8.6	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
2,2'-oxybis[1-chloropropane]	ND		74	7.9	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Phenanthrene	**19**	**J**	74	12	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Phenol	ND		74	8.7	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
Pyrene	**25**	**J**	74	7.4	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
2,3,4,6-Tetrachlorophenol	ND		360	24	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1

Client Sample ID: DUP-1 **Lab Sample ID: 180-35729-26**
Date Collected: 08/12/14 00:00 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 90.9**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/20/14 16:02	08/21/14 15:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190*	*T J*	*ug/Kg*	☼	*13.29*		*08/20/14 16:02*	*08/21/14 15:56*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*19.15*		*08/20/14 16:02*	*08/21/14 15:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*35 - 105*	*08/20/14 16:02*	*08/21/14 15:56*	*1*
2-Fluorophenol (Surr)	*78*		*39 - 103*	*08/20/14 16:02*	*08/21/14 15:56*	*1*
Nitrobenzene-d5 (Surr)	*87*		*25 - 104*	*08/20/14 16:02*	*08/21/14 15:56*	*1*
Phenol-d5 (Surr)	*73*		*25 - 105*	*08/20/14 16:02*	*08/21/14 15:56*	*1*
Terphenyl-d14 (Surr)	*88*		*25 - 127*	*08/20/14 16:02*	*08/21/14 15:56*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*35 - 124*	*08/20/14 16:02*	*08/21/14 15:56*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
4,4'-DDT	**2.0**		1.9	0.27	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
Endosulfan I	ND		1.9	0.34	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
Endosulfan sulfate	**0.19**	**J p**	1.9	0.19	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
Endrin	**0.99**	**J p**	1.9	0.36	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
gamma-Chlordane	**0.59**	**J p**	1.9	0.36	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
Heptachlor epoxide	**0.70**	**J p**	1.9	0.36	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1
Toxaphene	ND		74	12	ug/Kg	☼	08/21/14 15:25	08/22/14 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*08/21/14 15:25*	*08/22/14 17:21*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/21/14 15:25*	*08/22/14 17:21*	*1*
Tetrachloro-m-xylene	*84*		*45 - 130*	*08/21/14 15:25*	*08/22/14 17:21*	*1*
Tetrachloro-m-xylene	*79*		*45 - 130*	*08/21/14 15:25*	*08/22/14 17:21*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/21/14 15:25	08/23/14 22:04	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/21/14 15:25	08/23/14 22:04	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/21/14 15:25	08/23/14 22:04	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/21/14 15:25	08/23/14 22:04	1
PCB-1248	**64**		18	1.7	ug/Kg	☼	08/21/14 15:25	08/23/14 22:04	1

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

Client Sample ID: DUP-1 **Lab Sample ID: 180-35729-26**
Date Collected: 08/12/14 00:00 **Matrix: Solid**
Date Received: 08/13/14 12:37 **Percent Solids: 90.9**

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	ND		18	2.6	ug/Kg	☼	08/21/14 15:25	08/23/14 22:04	1
PCB-1260	**15**	**J**	18	2.6	ug/Kg	☼	08/21/14 15:25	08/23/14 22:36	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/21/14 15:25	08/23/14 22:04	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/21/14 15:25	08/23/14 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 125*	*08/21/14 15:25*	*08/23/14 22:04*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 125*	*08/21/14 15:25*	*08/23/14 22:36*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*45 - 135*	*08/21/14 15:25*	*08/23/14 22:04*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*45 - 135*	*08/21/14 15:25*	*08/23/14 22:36*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8000**		22	2.3	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Arsenic	**7.0**		1.1	0.33	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Barium	**71**		22	0.014	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Beryllium	**0.32**	**J**	0.44	0.012	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Cadmium	**0.088**	**J B**	0.54	0.016	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Calcium	**17000**		540	1.6	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Chromium	**12**		0.54	0.084	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Cobalt	**6.7**		5.4	0.046	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Copper	**41**		2.7	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Iron	**22000**		11	0.97	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Lead	**24**		1.1	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Magnesium	**3600**		540	2.2	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Manganese	**510**		1.6	0.097	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Nickel	**19**	**B**	4.4	0.052	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Potassium	**560**	**B**	540	7.0	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Selenium	ND		1.1	0.29	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Silver	ND		0.54	0.044	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Sodium	**70**	**J B**	540	1.2	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Vanadium	**12**		5.4	0.19	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1
Zinc	**71**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 13:29	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.019**	**J**	0.036	0.012	mg/Kg	☼	08/21/14 10:25	08/21/14 14:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.1**		0.10	0.10	%			08/14/14 11:35	1
Percent Solids	**91**		0.10	0.10	%			08/14/14 11:35	1
Cyanide, Total	**0.59**		0.53	0.16	mg/Kg	☼	08/20/14 07:00	08/20/14 09:20	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: DUP-2
Date Collected: 08/12/14 00:00
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-27
Matrix: Solid
Percent Solids: 73.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	5.5	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Benzene	ND		5.5	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Bromoform	ND		5.5	0.49	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Bromomethane	ND		5.5	0.81	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
2-Butanone (MEK)	ND		5.5	0.97	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Carbon disulfide	ND		5.5	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Carbon tetrachloride	ND		5.5	0.49	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Chlorobenzene	ND		5.5	0.83	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Chlorobromomethane	ND		5.5	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Chlorodibromomethane	ND		5.5	0.78	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Chloroethane	ND		5.5	1.7	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Chloroform	ND		5.5	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Chloromethane	ND		5.5	0.94	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
cis-1,2-Dichloroethene	ND		5.5	0.77	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
cis-1,3-Dichloropropene	ND		5.5	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Cyclohexane	ND		5.5	0.41	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
1,2-Dibromo-3-Chloropropane	ND		5.5	0.82	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
1,2-Dibromoethane	ND		5.5	0.95	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
1,2-Dichlorobenzene	ND		5.5	0.88	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
1,3-Dichlorobenzene	ND		5.5	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
1,4-Dichlorobenzene	ND		5.5	0.70	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Dichlorobromomethane	ND		5.5	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Dichlorodifluoromethane	ND		5.5	0.73	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
1,1-Dichloroethane	ND		5.5	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
1,2-Dichloroethane	ND		5.5	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
1,1-Dichloroethene	ND		5.5	0.93	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
1,2-Dichloropropane	ND		5.5	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
1,4-Dioxane	ND		1100	300	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Ethylbenzene	ND		5.5	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
2-Hexanone	ND		5.5	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Isopropylbenzene	ND		5.5	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Methyl acetate	ND		5.5	0.99	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Methylcyclohexane	ND		5.5	0.80	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Methylene Chloride	ND		5.5	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Methyl tert-butyl ether	ND		5.5	0.82	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
o-Xylene	ND		5.5	0.86	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Styrene	ND		5.5	0.77	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
1,1,2,2-Tetrachloroethane	ND		5.5	0.79	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Tetrachloroethene	ND		5.5	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Toluene	ND		5.5	0.80	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
trans-1,2-Dichloroethene	ND		5.5	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
trans-1,3-Dichloropropene	ND		5.5	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
1,2,3-Trichlorobenzene	ND		5.5	0.93	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
1,2,4-Trichlorobenzene	ND		5.5	0.97	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
1,1,1-Trichloroethane	ND		5.5	0.53	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
1,1,2-Trichloroethane	ND		5.5	0.91	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Trichloroethene	ND		5.5	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: DUP-2
Date Collected: 08/12/14 00:00
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-27
Matrix: Solid
Percent Solids: 73.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		5.5	1.0	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1
Vinyl chloride	ND		5.5	0.52	ug/Kg	☼	08/15/14 04:00	08/15/14 14:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 04:00*	*08/15/14 14:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/15/14 04:00*	*08/15/14 14:49*	*1*
Dibromofluoromethane (Surr)	*110*		*68 - 121*	*08/15/14 04:00*	*08/15/14 14:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*52 - 124*	*08/15/14 04:00*	*08/15/14 14:49*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/15/14 04:00*	*08/15/14 14:49*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		91	8.7	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Acenaphthylene	ND		91	10	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Acetophenone	ND		450	37	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Anthracene	**9.9**	**J**	91	8.8	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Atrazine	ND		450	44	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Benzaldehyde	ND		450	68	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Benzo[a]anthracene	**82**	**J**	91	11	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Benzo[a]pyrene	**100**		91	9.0	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Benzo[b]fluoranthene	**140**		91	14	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Benzo[g,h,i]perylene	**90**	**J**	91	9.0	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Benzo[k]fluoranthene	**51**	**J**	91	18	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
1,1'-Biphenyl	ND		450	40	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Bis(2-chloroethoxy)methane	ND		450	30	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Bis(2-chloroethyl)ether	ND		91	12	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Bis(2-ethylhexyl) phthalate	**110**	**J**	910	73	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
4-Bromophenyl phenyl ether	ND		450	39	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Butyl benzyl phthalate	ND		450	62	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Caprolactam	ND		2300	340	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Carbazole	ND		91	8.3	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
4-Chloroaniline	ND		450	36	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
4-Chloro-3-methylphenol	ND		450	42	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
2-Chloronaphthalene	ND		91	9.4	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
2-Chlorophenol	ND		450	37	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
4-Chlorophenyl phenyl ether	ND		450	50	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Chrysene	**100**		91	11	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Dibenz(a,h)anthracene	ND		91	10	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Dibenzofuran	ND		450	44	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
3,3'-Dichlorobenzidine	ND		450	48	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
2,4-Dichlorophenol	ND		91	9.1	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Diethyl phthalate	ND		450	49	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
2,4-Dimethylphenol	ND		450	71	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Dimethyl phthalate	ND		450	49	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Di-n-butyl phthalate	ND		450	57	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
4,6-Dinitro-2-methylphenol	ND		2300	180	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
2,4-Dinitrophenol	ND		2300	540	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1

Client Sample ID: DUP-2 **Lab Sample ID: 180-35729-27**

Date Collected: 08/12/14 00:00 **Matrix: Solid**

Date Received: 08/13/14 12:37 **Percent Solids: 73.9**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		450	36	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
2,6-Dinitrotoluene	ND		450	47	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Di-n-octyl phthalate	ND		450	48	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
1,4-Dioxane	ND		910	52	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Fluoranthene	**180**		91	9.7	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Fluorene	ND		91	12	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Hexachlorobenzene	ND		91	9.6	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Hexachlorobutadiene	ND		91	10	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Hexachlorocyclopentadiene	ND		450	49	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Hexachloroethane	ND		450	32	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Indeno[1,2,3-cd]pyrene	**87**	**J**	91	9.3	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Isophorone	ND		450	34	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
2-Methylnaphthalene	ND		91	8.1	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
2-Methylphenol	ND		450	32	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Methylphenol, 3 & 4	ND		450	44	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Naphthalene	ND		91	7.8	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
2-Nitroaniline	ND		2300	200	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
3-Nitroaniline	ND		2300	190	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
4-Nitroaniline	ND		2300	180	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Nitrobenzene	ND		910	38	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
2-Nitrophenol	ND		450	50	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
4-Nitrophenol	ND		2300	160	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
N-Nitrosodi-n-propylamine	ND		91	11	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
N-Nitrosodiphenylamine	ND		450	42	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
2,2'-oxybis[1-chloropropane]	ND		91	9.7	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Pentachlorophenol	ND		450	40	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Phenanthrene	**56**	**J**	91	14	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Phenol	ND		91	11	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
Pyrene	**150**		91	9.1	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
1,2,4,5-Tetrachlorobenzene	ND		450	34	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
2,3,4,6-Tetrachlorophenol	ND		450	29	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
2,4,5-Trichlorophenol	ND		450	48	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1
2,4,6-Trichlorophenol	ND		450	68	ug/Kg	☼	08/20/14 16:02	08/21/14 16:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*310*	*T J*	*ug/Kg*	☼	*16.20*		*08/20/14 16:02*	*08/21/14 16:22*	*1*
Unknown	*4500*	*T J*	*ug/Kg*	☼	*16.35*		*08/20/14 16:02*	*08/21/14 16:22*	*1*
Unknown	*640*	*T J*	*ug/Kg*	☼	*16.73*		*08/20/14 16:02*	*08/21/14 16:22*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*16.79*		*08/20/14 16:02*	*08/21/14 16:22*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*16.88*		*08/20/14 16:02*	*08/21/14 16:22*	*1*
Unknown	*2100*	*T J*	*ug/Kg*	☼	*17.75*		*08/20/14 16:02*	*08/21/14 16:22*	*1*
Unknown Straight Chain Alkane	*1500*	*T J*	*ug/Kg*	☼	*18.14*		*08/20/14 16:02*	*08/21/14 16:22*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*18.34*		*08/20/14 16:02*	*08/21/14 16:22*	*1*
Unknown	*1800*	*T J*	*ug/Kg*	☼	*19.41*		*08/20/14 16:02*	*08/21/14 16:22*	*1*
Unknown	*790*	*T J*	*ug/Kg*	☼	*19.87*		*08/20/14 16:02*	*08/21/14 16:22*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*20.12*		*08/20/14 16:02*	*08/21/14 16:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*35 - 105*	*08/20/14 16:02*	*08/21/14 16:22*	*1*
2-Fluorophenol (Surr)	*82*		*39 - 103*	*08/20/14 16:02*	*08/21/14 16:22*	*1*

Client Sample ID: DUP-2

Date Collected: 08/12/14 00:00
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-27

Matrix: Solid
Percent Solids: 73.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*83*		*25 - 104*	*08/20/14 16:02*	*08/21/14 16:22*	*1*
Phenol-d5 (Surr)	*77*		*25 - 105*	*08/20/14 16:02*	*08/21/14 16:22*	*1*
Terphenyl-d14 (Surr)	*79*		*25 - 127*	*08/20/14 16:02*	*08/21/14 16:22*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*35 - 124*	*08/20/14 16:02*	*08/21/14 16:22*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.3	0.40	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
alpha-BHC	ND		2.3	0.37	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
alpha-Chlordane	ND		2.3	0.45	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
beta-BHC	ND		2.3	0.59	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
4,4'-DDD	ND		2.3	0.30	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
4,4'-DDE	ND		2.3	0.34	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
4,4'-DDT	ND		2.3	0.34	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
delta-BHC	ND		2.3	0.35	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
Dieldrin	ND		2.3	0.38	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
Endosulfan I	ND		2.3	0.42	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
Endosulfan II	ND		2.3	0.40	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
Endosulfan sulfate	ND		2.3	0.24	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
Endrin	**0.52**	**J p**	2.3	0.44	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
Endrin aldehyde	ND		2.3	0.44	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
Endrin ketone	ND		2.3	0.35	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
gamma-BHC (Lindane)	ND		2.3	0.40	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
gamma-Chlordane	ND		2.3	0.45	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
Heptachlor	ND		2.3	0.50	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
Heptachlor epoxide	ND		2.3	0.44	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
Methoxychlor	ND		4.5	0.47	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1
Toxaphene	ND		91	15	ug/Kg	☼	08/21/14 15:25	08/22/14 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*08/21/14 15:25*	*08/22/14 17:37*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/21/14 15:25*	*08/22/14 17:37*	*1*
Tetrachloro-m-xylene	*86*		*45 - 130*	*08/21/14 15:25*	*08/22/14 17:37*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/21/14 15:25*	*08/22/14 17:37*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		23	3.4	ug/Kg	☼	08/21/14 15:25	08/23/14 22:36	1
PCB-1221	ND		23	4.3	ug/Kg	☼	08/21/14 15:25	08/23/14 22:36	1
PCB-1232	ND		23	3.9	ug/Kg	☼	08/21/14 15:25	08/23/14 22:36	1
PCB-1242	ND		23	3.7	ug/Kg	☼	08/21/14 15:25	08/23/14 22:36	1
PCB-1248	ND		23	2.1	ug/Kg	☼	08/21/14 15:25	08/23/14 22:36	1
PCB-1254	ND		23	3.2	ug/Kg	☼	08/21/14 15:25	08/23/14 22:36	1
PCB-1260	ND		23	3.2	ug/Kg	☼	08/21/14 15:25	08/23/14 22:36	1
PCB-1262	ND		23	4.9	ug/Kg	☼	08/21/14 15:25	08/23/14 22:36	1
PCB-1268	ND		23	2.9	ug/Kg	☼	08/21/14 15:25	08/23/14 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 125*	*08/21/14 15:25*	*08/23/14 22:36*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/21/14 15:25*	*08/23/14 23:08*	*1*

Client Sample ID: DUP-2

Date Collected: 08/12/14 00:00
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-27
Matrix: Solid
Percent Solids: 73.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*73*		*45 - 135*	*08/21/14 15:25*	*08/23/14 22:36*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*	*08/21/14 15:25*	*08/23/14 23:08*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		25	2.6	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Antimony	ND		1.3	0.25	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Arsenic	**8.3**		1.3	0.38	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Barium	**100**		25	0.016	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Beryllium	**0.54**		0.50	0.014	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Cadmium	**0.14**	**J B**	0.63	0.018	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Calcium	**2300**		630	1.9	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Chromium	**13**		0.63	0.097	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Cobalt	**9.2**		6.3	0.052	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Copper	**16**		3.1	0.18	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Iron	**21000**		13	1.1	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Lead	**19**		1.3	0.13	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Magnesium	**2900**		630	2.6	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Manganese	**520**		1.9	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Nickel	**21**	**B**	5.0	0.060	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Potassium	**860**	**B**	630	8.0	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Selenium	**0.52**	**J**	1.3	0.34	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Silver	ND		0.63	0.051	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Sodium	**40**	**J B**	630	1.3	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Thallium	ND		2.5	0.18	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Vanadium	**14**		6.3	0.22	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1
Zinc	**60**	**B**	2.5	0.13	mg/Kg	☼	08/20/14 13:51	08/26/14 13:34	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**	**J**	0.043	0.014	mg/Kg	☼	08/21/14 10:25	08/21/14 15:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**26**		0.10	0.10	%			08/14/14 11:35	1
Percent Solids	**74**		0.10	0.10	%			08/14/14 11:35	1
Cyanide, Total	**1.6**		0.68	0.20	mg/Kg	☼	08/20/14 07:00	08/20/14 09:20	1

Client Sample ID: SSHS-B93-GW-18-22

Date Collected: 08/12/14 14:20
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-28
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**6.8**		5.0	2.5	ug/L			08/18/14 21:08	1
Benzene	ND		1.0	0.11	ug/L			08/18/14 21:08	1
Bromoform	ND		1.0	0.19	ug/L			08/18/14 21:08	1
Bromomethane	ND		1.0	0.31	ug/L			08/18/14 21:08	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/18/14 21:08	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/18/14 21:08	1

Client Sample Results

Client Sample ID: SSHS-B93-GW-18-22

Date Collected: 08/12/14 14:20
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-28
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/18/14 21:08	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/18/14 21:08	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/18/14 21:08	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/18/14 21:08	1
Chloroethane	ND		1.0	0.21	ug/L			08/18/14 21:08	1
Chloroform	ND		1.0	0.17	ug/L			08/18/14 21:08	1
Chloromethane	ND		1.0	0.28	ug/L			08/18/14 21:08	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/18/14 21:08	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/18/14 21:08	1
Cyclohexane	ND		1.0	0.25	ug/L			08/18/14 21:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/18/14 21:08	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/18/14 21:08	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/18/14 21:08	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/18/14 21:08	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/18/14 21:08	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/18/14 21:08	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/18/14 21:08	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/18/14 21:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/18/14 21:08	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/18/14 21:08	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/18/14 21:08	1
1,4-Dioxane	ND		200	34	ug/L			08/18/14 21:08	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/18/14 21:08	1
2-Hexanone	ND	*	5.0	0.16	ug/L			08/18/14 21:08	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/18/14 21:08	1
Methyl acetate	ND		1.0	0.14	ug/L			08/18/14 21:08	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/18/14 21:08	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/18/14 21:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/18/14 21:08	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/18/14 21:08	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/18/14 21:08	1
o-Xylene	ND		1.0	0.11	ug/L			08/18/14 21:08	1
Styrene	ND		1.0	0.097	ug/L			08/18/14 21:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/18/14 21:08	1
Tetrachloroethene	**0.30**	**J**	1.0	0.15	ug/L			08/18/14 21:08	1
Toluene	ND		1.0	0.15	ug/L			08/18/14 21:08	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/18/14 21:08	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/18/14 21:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/18/14 21:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/18/14 21:08	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/18/14 21:08	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/18/14 21:08	1
Trichloroethene	**0.37**	**J**	1.0	0.14	ug/L			08/18/14 21:08	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/18/14 21:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/18/14 21:08	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/18/14 21:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1.9*	*T J*	*ug/L*		*2.14*			*08/18/14 21:08*	*1*
Formic acid, 1-methylethyl ester	*8.9*	*T J N*	*ug/L*		*3.91*	*625-55-8*		*08/18/14 21:08*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B93-GW-18-22

Date Collected: 08/12/14 14:20
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-28
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 118*		*08/18/14 21:08*	*1*
Dibromofluoromethane (Surr)	*124*		*70 - 128*		*08/18/14 21:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*64 - 135*		*08/18/14 21:08*	*1*
Toluene-d8 (Surr)	*101*		*71 - 118*		*08/18/14 21:08*	*1*

Client Sample ID: SSHS-B94-GW-18-22

Date Collected: 08/12/14 12:27
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-29
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4.4**	**J**	5.0	2.5	ug/L			08/19/14 18:31	1
Benzene	**0.33**	**J**	1.0	0.11	ug/L			08/19/14 18:31	1
Bromoform	ND		1.0	0.19	ug/L			08/19/14 18:31	1
Bromomethane	ND		1.0	0.31	ug/L			08/19/14 18:31	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/19/14 18:31	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/19/14 18:31	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/19/14 18:31	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/19/14 18:31	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/19/14 18:31	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/19/14 18:31	1
Chloroethane	ND		1.0	0.21	ug/L			08/19/14 18:31	1
Chloroform	**0.21**	**J**	1.0	0.17	ug/L			08/19/14 18:31	1
Chloromethane	ND		1.0	0.28	ug/L			08/19/14 18:31	1
cis-1,2-Dichloroethene	**0.25**	**J**	1.0	0.24	ug/L			08/19/14 18:31	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/19/14 18:31	1
Cyclohexane	ND		1.0	0.25	ug/L			08/19/14 18:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/19/14 18:31	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/19/14 18:31	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/19/14 18:31	1
1,3-Dichlorobenzene	ND	*	1.0	0.11	ug/L			08/19/14 18:31	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/19/14 18:31	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/19/14 18:31	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/19/14 18:31	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/19/14 18:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/14 18:31	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/19/14 18:31	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/19/14 18:31	1
1,4-Dioxane	ND		200	34	ug/L			08/19/14 18:31	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/19/14 18:31	1
2-Hexanone	ND		5.0	0.16	ug/L			08/19/14 18:31	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/19/14 18:31	1
Methyl acetate	ND		1.0	0.14	ug/L			08/19/14 18:31	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/19/14 18:31	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/19/14 18:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/19/14 18:31	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/19/14 18:31	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/19/14 18:31	1
o-Xylene	ND		1.0	0.11	ug/L			08/19/14 18:31	1
Styrene	ND		1.0	0.097	ug/L			08/19/14 18:31	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: SSHS-B94-GW-18-22

Lab Sample ID: 180-35729-29
Date Collected: 08/12/14 12:27
Matrix: Water
Date Received: 08/13/14 12:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/19/14 18:31	1
Tetrachloroethene	**0.22**	**J**	1.0	0.15	ug/L			08/19/14 18:31	1
Toluene	**0.36**	**J**	1.0	0.15	ug/L			08/19/14 18:31	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/19/14 18:31	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/19/14 18:31	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/19/14 18:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/19/14 18:31	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/19/14 18:31	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/19/14 18:31	1
Trichloroethene	**8.9**		1.0	0.14	ug/L			08/19/14 18:31	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/19/14 18:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/19/14 18:31	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/19/14 18:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1.7*	*T J*	*ug/L*		*3.94*			*08/19/14 18:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 118*		*08/19/14 18:31*	*1*
Dibromofluoromethane (Surr)	*120*		*70 - 128*		*08/19/14 18:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*64 - 135*		*08/19/14 18:31*	*1*
Toluene-d8 (Surr)	*105*		*71 - 118*		*08/19/14 18:31*	*1*

Client Sample ID: SSHS-B92-GW-18-22

Lab Sample ID: 180-35729-30
Date Collected: 08/12/14 11:10
Matrix: Water
Date Received: 08/13/14 12:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.7**	**J**	5.0	2.5	ug/L			08/19/14 18:55	1
Benzene	ND		1.0	0.11	ug/L			08/19/14 18:55	1
Bromoform	ND		1.0	0.19	ug/L			08/19/14 18:55	1
Bromomethane	ND		1.0	0.31	ug/L			08/19/14 18:55	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/19/14 18:55	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/19/14 18:55	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/19/14 18:55	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/19/14 18:55	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/19/14 18:55	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/19/14 18:55	1
Chloroethane	ND		1.0	0.21	ug/L			08/19/14 18:55	1
Chloroform	ND		1.0	0.17	ug/L			08/19/14 18:55	1
Chloromethane	ND		1.0	0.28	ug/L			08/19/14 18:55	1
cis-1,2-Dichloroethene	**1.8**		1.0	0.24	ug/L			08/19/14 18:55	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/19/14 18:55	1
Cyclohexane	ND		1.0	0.25	ug/L			08/19/14 18:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/19/14 18:55	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/19/14 18:55	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/19/14 18:55	1
1,3-Dichlorobenzene	ND	*	1.0	0.11	ug/L			08/19/14 18:55	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/19/14 18:55	1

Client Sample ID: SSHS-B92-GW-18-22

Lab Sample ID: 180-35729-30

Date Collected: 08/12/14 11:10

Matrix: Water

Date Received: 08/13/14 12:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/19/14 18:55	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/19/14 18:55	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/19/14 18:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/14 18:55	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/19/14 18:55	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/19/14 18:55	1
1,4-Dioxane	ND		200	34	ug/L			08/19/14 18:55	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/19/14 18:55	1
2-Hexanone	ND		5.0	0.16	ug/L			08/19/14 18:55	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/19/14 18:55	1
Methyl acetate	ND		1.0	0.14	ug/L			08/19/14 18:55	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/19/14 18:55	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/19/14 18:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/19/14 18:55	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/19/14 18:55	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/19/14 18:55	1
o-Xylene	ND		1.0	0.11	ug/L			08/19/14 18:55	1
Styrene	ND		1.0	0.097	ug/L			08/19/14 18:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/19/14 18:55	1
Tetrachloroethene	**0.17**	**J**	1.0	0.15	ug/L			08/19/14 18:55	1
Toluene	ND		1.0	0.15	ug/L			08/19/14 18:55	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/19/14 18:55	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/19/14 18:55	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/19/14 18:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/19/14 18:55	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/19/14 18:55	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/19/14 18:55	1
Trichloroethene	**5.6**		1.0	0.14	ug/L			08/19/14 18:55	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/19/14 18:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/19/14 18:55	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/19/14 18:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1.2*	*T J*	*ug/L*		*3.93*			*08/19/14 18:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 118*		*08/19/14 18:55*	*1*
Dibromofluoromethane (Surr)	*122*		*70 - 128*		*08/19/14 18:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*64 - 135*		*08/19/14 18:55*	*1*
Toluene-d8 (Surr)	*102*		*71 - 118*		*08/19/14 18:55*	*1*

Client Sample ID: SSHS-B95-GW-18-22

Lab Sample ID: 180-35729-31

Date Collected: 08/12/14 15:27

Matrix: Water

Date Received: 08/13/14 12:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**6.7**		5.0	2.5	ug/L			08/19/14 19:44	1
Benzene	ND		1.0	0.11	ug/L			08/19/14 19:44	1
Bromoform	ND		1.0	0.19	ug/L			08/19/14 19:44	1

Client Sample ID: SSHS-B95-GW-18-22
Date Collected: 08/12/14 15:27
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-31
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.31	ug/L			08/19/14 19:44	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/19/14 19:44	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/19/14 19:44	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/19/14 19:44	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/19/14 19:44	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/19/14 19:44	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/19/14 19:44	1
Chloroethane	ND		1.0	0.21	ug/L			08/19/14 19:44	1
Chloroform	ND		1.0	0.17	ug/L			08/19/14 19:44	1
Chloromethane	ND		1.0	0.28	ug/L			08/19/14 19:44	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/19/14 19:44	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/19/14 19:44	1
Cyclohexane	ND		1.0	0.25	ug/L			08/19/14 19:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/19/14 19:44	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/19/14 19:44	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/19/14 19:44	1
1,3-Dichlorobenzene	ND	*	1.0	0.11	ug/L			08/19/14 19:44	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/19/14 19:44	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/19/14 19:44	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/19/14 19:44	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/19/14 19:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/14 19:44	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/19/14 19:44	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/19/14 19:44	1
1,4-Dioxane	ND		200	34	ug/L			08/19/14 19:44	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/19/14 19:44	1
2-Hexanone	ND		5.0	0.16	ug/L			08/19/14 19:44	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/19/14 19:44	1
Methyl acetate	ND		1.0	0.14	ug/L			08/19/14 19:44	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/19/14 19:44	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/19/14 19:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/19/14 19:44	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/19/14 19:44	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/19/14 19:44	1
o-Xylene	ND		1.0	0.11	ug/L			08/19/14 19:44	1
Styrene	ND		1.0	0.097	ug/L			08/19/14 19:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/19/14 19:44	1
Tetrachloroethene	**0.30**	**J**	1.0	0.15	ug/L			08/19/14 19:44	1
Toluene	ND		1.0	0.15	ug/L			08/19/14 19:44	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/19/14 19:44	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/19/14 19:44	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/19/14 19:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/19/14 19:44	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/19/14 19:44	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/19/14 19:44	1
Trichloroethene	**0.37**	**J**	1.0	0.14	ug/L			08/19/14 19:44	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/19/14 19:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/19/14 19:44	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/19/14 19:44	1

Client Sample ID: SSHS-B95-GW-18-22

Lab Sample ID: 180-35729-31
Date Collected: 08/12/14 15:27
Matrix: Water
Date Received: 08/13/14 12:37

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl Alcohol	*11*	*T J N*	*ug/L*		*3.92*	*67-63-0*		*08/19/14 19:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 118*		*08/19/14 19:44*	*1*
Dibromofluoromethane (Surr)	*124*		*70 - 128*		*08/19/14 19:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*64 - 135*		*08/19/14 19:44*	*1*
Toluene-d8 (Surr)	*100*		*71 - 118*		*08/19/14 19:44*	*1*

Client Sample ID: SSHS-B96-GW-18-22

Lab Sample ID: 180-35729-32
Date Collected: 08/12/14 16:41
Matrix: Water
Date Received: 08/13/14 12:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/19/14 20:08	1
Benzene	ND		1.0	0.11	ug/L			08/19/14 20:08	1
Bromoform	ND		1.0	0.19	ug/L			08/19/14 20:08	1
Bromomethane	ND		1.0	0.31	ug/L			08/19/14 20:08	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/19/14 20:08	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/19/14 20:08	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/19/14 20:08	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/19/14 20:08	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/19/14 20:08	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/19/14 20:08	1
Chloroethane	ND		1.0	0.21	ug/L			08/19/14 20:08	1
Chloroform	ND		1.0	0.17	ug/L			08/19/14 20:08	1
Chloromethane	ND		1.0	0.28	ug/L			08/19/14 20:08	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/19/14 20:08	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/19/14 20:08	1
Cyclohexane	ND		1.0	0.25	ug/L			08/19/14 20:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/19/14 20:08	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/19/14 20:08	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/19/14 20:08	1
1,3-Dichlorobenzene	ND	*	1.0	0.11	ug/L			08/19/14 20:08	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/19/14 20:08	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/19/14 20:08	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/19/14 20:08	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/19/14 20:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/14 20:08	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/19/14 20:08	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/19/14 20:08	1
1,4-Dioxane	ND		200	34	ug/L			08/19/14 20:08	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/19/14 20:08	1
2-Hexanone	ND		5.0	0.16	ug/L			08/19/14 20:08	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/19/14 20:08	1
Methyl acetate	ND		1.0	0.14	ug/L			08/19/14 20:08	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/19/14 20:08	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/19/14 20:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/19/14 20:08	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/19/14 20:08	1

Client Sample ID: SSHS-B96-GW-18-22

Lab Sample ID: 180-35729-32

Date Collected: 08/12/14 16:41
Matrix: Water
Date Received: 08/13/14 12:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/19/14 20:08	1
o-Xylene	ND		1.0	0.11	ug/L			08/19/14 20:08	1
Styrene	ND		1.0	0.097	ug/L			08/19/14 20:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/19/14 20:08	1
Tetrachloroethene	**0.23**	**J**	1.0	0.15	ug/L			08/19/14 20:08	1
Toluene	ND		1.0	0.15	ug/L			08/19/14 20:08	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/19/14 20:08	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/19/14 20:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/19/14 20:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/19/14 20:08	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/19/14 20:08	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/19/14 20:08	1
Trichloroethene	ND		1.0	0.14	ug/L			08/19/14 20:08	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/19/14 20:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/19/14 20:08	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/19/14 20:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/19/14 20:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 118*		*08/19/14 20:08*	*1*
Dibromofluoromethane (Surr)	*127*		*70 - 128*		*08/19/14 20:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*64 - 135*		*08/19/14 20:08*	*1*
Toluene-d8 (Surr)	*99*		*71 - 118*		*08/19/14 20:08*	*1*

Client Sample ID: DUP-3-GW

Lab Sample ID: 180-35729-33

Date Collected: 08/12/14 00:00
Matrix: Water
Date Received: 08/13/14 12:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**12**		5.0	2.5	ug/L			08/19/14 20:32	1
Benzene	ND		1.0	0.11	ug/L			08/19/14 20:32	1
Bromoform	ND		1.0	0.19	ug/L			08/19/14 20:32	1
Bromomethane	ND		1.0	0.31	ug/L			08/19/14 20:32	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/19/14 20:32	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/19/14 20:32	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/19/14 20:32	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/19/14 20:32	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/19/14 20:32	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/19/14 20:32	1
Chloroethane	ND		1.0	0.21	ug/L			08/19/14 20:32	1
Chloroform	ND		1.0	0.17	ug/L			08/19/14 20:32	1
Chloromethane	ND		1.0	0.28	ug/L			08/19/14 20:32	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/19/14 20:32	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/19/14 20:32	1
Cyclohexane	ND		1.0	0.25	ug/L			08/19/14 20:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/19/14 20:32	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/19/14 20:32	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: DUP-3-GW
Date Collected: 08/12/14 00:00
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-33
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/19/14 20:32	1
1,3-Dichlorobenzene	ND	*	1.0	0.11	ug/L			08/19/14 20:32	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/19/14 20:32	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/19/14 20:32	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/19/14 20:32	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/19/14 20:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/14 20:32	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/19/14 20:32	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/19/14 20:32	1
1,4-Dioxane	ND		200	34	ug/L			08/19/14 20:32	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/19/14 20:32	1
2-Hexanone	ND		5.0	0.16	ug/L			08/19/14 20:32	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/19/14 20:32	1
Methyl acetate	ND		1.0	0.14	ug/L			08/19/14 20:32	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/19/14 20:32	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/19/14 20:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/19/14 20:32	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/19/14 20:32	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/19/14 20:32	1
o-Xylene	ND		1.0	0.11	ug/L			08/19/14 20:32	1
Styrene	ND		1.0	0.097	ug/L			08/19/14 20:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/19/14 20:32	1
Tetrachloroethene	**0.27**	**J**	1.0	0.15	ug/L			08/19/14 20:32	1
Toluene	ND		1.0	0.15	ug/L			08/19/14 20:32	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/19/14 20:32	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/19/14 20:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/19/14 20:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/19/14 20:32	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/19/14 20:32	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/19/14 20:32	1
Trichloroethene	**0.62**	**J**	1.0	0.14	ug/L			08/19/14 20:32	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/19/14 20:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/19/14 20:32	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/19/14 20:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl Alcohol	*19*	*T J N*	*ug/L*		*3.93*	*67-63-0*		*08/19/14 20:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 118*		*08/19/14 20:32*	*1*
Dibromofluoromethane (Surr)	*121*		*70 - 128*		*08/19/14 20:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*64 - 135*		*08/19/14 20:32*	*1*
Toluene-d8 (Surr)	*98*		*71 - 118*		*08/19/14 20:32*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: TRIP BLANK
Date Collected: 08/12/14 00:00
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-34
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**5.0**		5.0	2.5	ug/L			08/18/14 21:56	1
Benzene	ND		1.0	0.11	ug/L			08/18/14 21:56	1
Bromoform	ND		1.0	0.19	ug/L			08/18/14 21:56	1
Bromomethane	ND		1.0	0.31	ug/L			08/18/14 21:56	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/18/14 21:56	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/18/14 21:56	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/18/14 21:56	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/18/14 21:56	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/18/14 21:56	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/18/14 21:56	1
Chloroethane	ND		1.0	0.21	ug/L			08/18/14 21:56	1
Chloroform	ND		1.0	0.17	ug/L			08/18/14 21:56	1
Chloromethane	ND		1.0	0.28	ug/L			08/18/14 21:56	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/18/14 21:56	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/18/14 21:56	1
Cyclohexane	ND		1.0	0.25	ug/L			08/18/14 21:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/18/14 21:56	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/18/14 21:56	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/18/14 21:56	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/18/14 21:56	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/18/14 21:56	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/18/14 21:56	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/18/14 21:56	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/18/14 21:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/18/14 21:56	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/18/14 21:56	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/18/14 21:56	1
1,4-Dioxane	ND		200	34	ug/L			08/18/14 21:56	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/18/14 21:56	1
2-Hexanone	ND	*	5.0	0.16	ug/L			08/18/14 21:56	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/18/14 21:56	1
Methyl acetate	ND		1.0	0.14	ug/L			08/18/14 21:56	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/18/14 21:56	1
Methylene Chloride	**0.23**	**J B**	1.0	0.13	ug/L			08/18/14 21:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/18/14 21:56	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/18/14 21:56	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/18/14 21:56	1
o-Xylene	ND		1.0	0.11	ug/L			08/18/14 21:56	1
Styrene	ND		1.0	0.097	ug/L			08/18/14 21:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/18/14 21:56	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/18/14 21:56	1
Toluene	ND		1.0	0.15	ug/L			08/18/14 21:56	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/18/14 21:56	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/18/14 21:56	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/18/14 21:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/18/14 21:56	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/18/14 21:56	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/18/14 21:56	1
Trichloroethene	ND		1.0	0.14	ug/L			08/18/14 21:56	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 180-35729-34
Date Collected: 08/12/14 00:00
Matrix: Water
Date Received: 08/13/14 12:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/18/14 21:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/18/14 21:56	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/18/14 21:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1.8*	*T J*	*ug/L*		*2.16*			*08/18/14 21:56*	*1*
Silanol, trimethyl-	*1.3*	*T J N*	*ug/L*		*6.11*	*1066-40-6*		*08/18/14 21:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 118*		*08/18/14 21:56*	*1*
Dibromofluoromethane (Surr)	*122*		*70 - 128*		*08/18/14 21:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 135*		*08/18/14 21:56*	*1*
Toluene-d8 (Surr)	*98*		*71 - 118*		*08/18/14 21:56*	*1*

Client Sample ID: 20140812-EQUIPMENT BLANK-GW

Lab Sample ID: 180-35729-35
Date Collected: 08/12/14 16:00
Matrix: Water
Date Received: 08/13/14 12:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.6**	**J**	5.0	2.5	ug/L			08/18/14 21:32	1
Benzene	ND		1.0	0.11	ug/L			08/18/14 21:32	1
Bromoform	ND		1.0	0.19	ug/L			08/18/14 21:32	1
Bromomethane	ND		1.0	0.31	ug/L			08/18/14 21:32	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/18/14 21:32	1
Carbon disulfide	**0.51**	**J**	1.0	0.21	ug/L			08/18/14 21:32	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/18/14 21:32	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/18/14 21:32	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/18/14 21:32	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/18/14 21:32	1
Chloroethane	ND		1.0	0.21	ug/L			08/18/14 21:32	1
Chloroform	**0.49**	**J**	1.0	0.17	ug/L			08/18/14 21:32	1
Chloromethane	ND		1.0	0.28	ug/L			08/18/14 21:32	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/18/14 21:32	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/18/14 21:32	1
Cyclohexane	ND		1.0	0.25	ug/L			08/18/14 21:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/18/14 21:32	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/18/14 21:32	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/18/14 21:32	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/18/14 21:32	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/18/14 21:32	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/18/14 21:32	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/18/14 21:32	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/18/14 21:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/18/14 21:32	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/18/14 21:32	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/18/14 21:32	1
1,4-Dioxane	ND		200	34	ug/L			08/18/14 21:32	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/18/14 21:32	1
2-Hexanone	ND	*	5.0	0.16	ug/L			08/18/14 21:32	1

Client Sample ID: 20140812-EQUIPMENT BLANK-GW

Lab Sample ID: 180-35729-35

Date Collected: 08/12/14 16:00

Matrix: Water

Date Received: 08/13/14 12:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.16	ug/L			08/18/14 21:32	1
Methyl acetate	ND		1.0	0.14	ug/L			08/18/14 21:32	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/18/14 21:32	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/18/14 21:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/18/14 21:32	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/18/14 21:32	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/18/14 21:32	1
o-Xylene	ND		1.0	0.11	ug/L			08/18/14 21:32	1
Styrene	ND		1.0	0.097	ug/L			08/18/14 21:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/18/14 21:32	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/18/14 21:32	1
Toluene	ND		1.0	0.15	ug/L			08/18/14 21:32	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/18/14 21:32	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/18/14 21:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/18/14 21:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/18/14 21:32	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/18/14 21:32	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/18/14 21:32	1
Trichloroethene	ND		1.0	0.14	ug/L			08/18/14 21:32	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/18/14 21:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/18/14 21:32	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/18/14 21:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1.9*	*T J*	*ug/L*		*1.73*			*08/18/14 21:32*	*1*
Isopropyl Alcohol	*21*	*T J N*	*ug/L*		*3.91*	*67-63-0*		*08/18/14 21:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 118*		*08/18/14 21:32*	*1*
Dibromofluoromethane (Surr)	*122*		*70 - 128*		*08/18/14 21:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*64 - 135*		*08/18/14 21:32*	*1*
Toluene-d8 (Surr)	*98*		*71 - 118*		*08/18/14 21:32*	*1*

Client Sample ID: 20140812-EQUIPMENT BLANK-SOIL

Lab Sample ID: 180-35729-36

Date Collected: 08/12/14 16:53

Matrix: Water

Date Received: 08/13/14 12:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/19/14 20:56	1
Benzene	ND		1.0	0.11	ug/L			08/19/14 20:56	1
Bromoform	ND		1.0	0.19	ug/L			08/19/14 20:56	1
Bromomethane	ND		1.0	0.31	ug/L			08/19/14 20:56	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/19/14 20:56	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/19/14 20:56	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/19/14 20:56	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/19/14 20:56	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/19/14 20:56	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/19/14 20:56	1
Chloroethane	ND		1.0	0.21	ug/L			08/19/14 20:56	1

Client Sample Results

Client Sample ID: 20140812-EQUIPMENT BLANK-SOIL
Lab Sample ID: 180-35729-36
Date Collected: 08/12/14 16:53
Matrix: Water
Date Received: 08/13/14 12:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.17	ug/L			08/19/14 20:56	1
Chloromethane	ND		1.0	0.28	ug/L			08/19/14 20:56	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/19/14 20:56	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/19/14 20:56	1
Cyclohexane	ND		1.0	0.25	ug/L			08/19/14 20:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/19/14 20:56	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/19/14 20:56	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/19/14 20:56	1
1,3-Dichlorobenzene	ND	*	1.0	0.11	ug/L			08/19/14 20:56	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/19/14 20:56	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/19/14 20:56	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/19/14 20:56	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/19/14 20:56	1
1,2-Dichloroethane	**0.27**	**J**	1.0	0.21	ug/L			08/19/14 20:56	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/19/14 20:56	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/19/14 20:56	1
1,4-Dioxane	ND		200	34	ug/L			08/19/14 20:56	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/19/14 20:56	1
2-Hexanone	ND		5.0	0.16	ug/L			08/19/14 20:56	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/19/14 20:56	1
Methyl acetate	ND		1.0	0.14	ug/L			08/19/14 20:56	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/19/14 20:56	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/19/14 20:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/19/14 20:56	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/19/14 20:56	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/19/14 20:56	1
o-Xylene	ND		1.0	0.11	ug/L			08/19/14 20:56	1
Styrene	ND		1.0	0.097	ug/L			08/19/14 20:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/19/14 20:56	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/19/14 20:56	1
Toluene	ND		1.0	0.15	ug/L			08/19/14 20:56	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/19/14 20:56	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/19/14 20:56	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/19/14 20:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/19/14 20:56	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/19/14 20:56	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/19/14 20:56	1
Trichloroethene	ND		1.0	0.14	ug/L			08/19/14 20:56	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/19/14 20:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/19/14 20:56	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/19/14 20:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/19/14 20:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 118*		*08/19/14 20:56*	*1*
Dibromofluoromethane (Surr)	*125*		*70 - 128*		*08/19/14 20:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*64 - 135*		*08/19/14 20:56*	*1*
Toluene-d8 (Surr)	*100*		*71 - 118*		*08/19/14 20:56*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: 20140812-EQUIPMENT BLANK-SOIL
Date Collected: 08/12/14 16:53
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-36
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.21	0.030	ug/L		08/14/14 09:41	08/19/14 19:47	1
Acenaphthylene	ND		0.21	0.022	ug/L		08/14/14 09:41	08/19/14 19:47	1
Acetophenone	ND		2.1	0.12	ug/L		08/14/14 09:41	08/19/14 19:47	1
Anthracene	ND		0.21	0.020	ug/L		08/14/14 09:41	08/19/14 19:47	1
Atrazine	ND		2.1	0.23	ug/L		08/14/14 09:41	08/19/14 19:47	1
Benzaldehyde	ND		2.1	0.11	ug/L		08/14/14 09:41	08/19/14 19:47	1
Benzo[a]anthracene	ND		0.21	0.038	ug/L		08/14/14 09:41	08/19/14 19:47	1
Benzo[a]pyrene	ND		0.21	0.029	ug/L		08/14/14 09:41	08/19/14 19:47	1
Benzo[b]fluoranthene	ND		0.21	0.051	ug/L		08/14/14 09:41	08/19/14 19:47	1
Benzo[g,h,i]perylene	ND		0.21	0.030	ug/L		08/14/14 09:41	08/19/14 19:47	1
Benzo[k]fluoranthene	ND		0.21	0.031	ug/L		08/14/14 09:41	08/19/14 19:47	1
1,1'-Biphenyl	ND		1.0	0.11	ug/L		08/14/14 09:41	08/19/14 19:47	1
Bis(2-chloroethoxy)methane	ND		1.0	0.14	ug/L		08/14/14 09:41	08/19/14 19:47	1
Bis(2-chloroethyl)ether	ND		1.0	0.033	ug/L		08/14/14 09:41	08/19/14 19:47	1
Bis(2-ethylhexyl) phthalate	**2.4**		2.1	0.46	ug/L		08/14/14 09:41	08/19/14 19:47	1
4-Bromophenyl phenyl ether	ND		1.0	0.12	ug/L		08/14/14 09:41	08/19/14 19:47	1
Butyl benzyl phthalate	**0.29**	**J**	1.0	0.22	ug/L		08/14/14 09:41	08/19/14 19:47	1
Caprolactam	ND		5.2	1.5	ug/L		08/14/14 09:41	08/19/14 19:47	1
Carbazole	ND		1.0	0.028	ug/L		08/14/14 09:41	08/19/14 19:47	1
4-Chloroaniline	ND		1.0	0.30	ug/L		08/14/14 09:41	08/19/14 19:47	1
4-Chloro-3-methylphenol	ND		1.0	0.18	ug/L		08/14/14 09:41	08/19/14 19:47	1
2-Chloronaphthalene	ND		0.21	0.032	ug/L		08/14/14 09:41	08/19/14 19:47	1
2-Chlorophenol	ND		1.0	0.23	ug/L		08/14/14 09:41	08/19/14 19:47	1
4-Chlorophenyl phenyl ether	ND		1.0	0.083	ug/L		08/14/14 09:41	08/19/14 19:47	1
Chrysene	ND		0.21	0.032	ug/L		08/14/14 09:41	08/19/14 19:47	1
Dibenz(a,h)anthracene	ND		0.21	0.028	ug/L		08/14/14 09:41	08/19/14 19:47	1
Dibenzofuran	ND		1.0	0.10	ug/L		08/14/14 09:41	08/19/14 19:47	1
3,3'-Dichlorobenzidine	ND		1.0	0.15	ug/L		08/14/14 09:41	08/19/14 19:47	1
2,4-Dichlorophenol	ND		1.0	0.070	ug/L		08/14/14 09:41	08/19/14 19:47	1
Diethyl phthalate	ND		1.0	0.31	ug/L		08/14/14 09:41	08/19/14 19:47	1
2,4-Dimethylphenol	ND		1.0	0.18	ug/L		08/14/14 09:41	08/19/14 19:47	1
Dimethyl phthalate	ND		1.0	0.19	ug/L		08/14/14 09:41	08/19/14 19:47	1
Di-n-butyl phthalate	ND		1.0	0.25	ug/L		08/14/14 09:41	08/19/14 19:47	1
4,6-Dinitro-2-methylphenol	ND		5.2	1.6	ug/L		08/14/14 09:41	08/19/14 19:47	1
2,4-Dinitrophenol	ND		5.2	2.6	ug/L		08/14/14 09:41	08/19/14 19:47	1
2,4-Dinitrotoluene	ND		1.0	0.22	ug/L		08/14/14 09:41	08/19/14 19:47	1
2,6-Dinitrotoluene	ND		1.0	0.14	ug/L		08/14/14 09:41	08/19/14 19:47	1
Di-n-octyl phthalate	ND		1.0	0.21	ug/L		08/14/14 09:41	08/19/14 19:47	1
1,4-Dioxane	ND		2.1	0.055	ug/L		08/14/14 09:41	08/19/14 19:47	1
Fluoranthene	ND		0.21	0.022	ug/L		08/14/14 09:41	08/19/14 19:47	1
Fluorene	ND		0.21	0.025	ug/L		08/14/14 09:41	08/19/14 19:47	1
Hexachlorobenzene	ND		1.0	0.064	ug/L		08/14/14 09:41	08/19/14 19:47	1
Hexachlorobutadiene	ND		1.0	0.098	ug/L		08/14/14 09:41	08/19/14 19:47	1
Hexachlorocyclopentadiene	ND		1.0	0.14	ug/L		08/14/14 09:41	08/19/14 19:47	1
Hexachloroethane	ND		1.0	0.14	ug/L		08/14/14 09:41	08/19/14 19:47	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.045	ug/L		08/14/14 09:41	08/19/14 19:47	1
Isophorone	ND		1.0	0.077	ug/L		08/14/14 09:41	08/19/14 19:47	1
2-Methylnaphthalene	ND		0.21	0.020	ug/L		08/14/14 09:41	08/19/14 19:47	1
2-Methylphenol	ND		1.0	0.19	ug/L		08/14/14 09:41	08/19/14 19:47	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Client Sample ID: 20140812-EQUIPMENT BLANK-SOIL

Lab Sample ID: 180-35729-36

Date Collected: 08/12/14 16:53
Date Received: 08/13/14 12:37

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		1.0	0.22	ug/L		08/14/14 09:41	08/19/14 19:47	1
Naphthalene	ND		0.21	0.024	ug/L		08/14/14 09:41	08/19/14 19:47	1
2-Nitroaniline	ND		5.2	0.70	ug/L		08/14/14 09:41	08/19/14 19:47	1
3-Nitroaniline	ND		5.2	0.84	ug/L		08/14/14 09:41	08/19/14 19:47	1
4-Nitroaniline	ND		5.2	0.81	ug/L		08/14/14 09:41	08/19/14 19:47	1
Nitrobenzene	ND		2.1	0.16	ug/L		08/14/14 09:41	08/19/14 19:47	1
2-Nitrophenol	ND		1.0	0.12	ug/L		08/14/14 09:41	08/19/14 19:47	1
4-Nitrophenol	ND		5.2	0.84	ug/L		08/14/14 09:41	08/19/14 19:47	1
N-Nitrosodi-n-propylamine	ND		1.0	0.052	ug/L		08/14/14 09:41	08/19/14 19:47	1
N-Nitrosodiphenylamine	ND		1.0	0.13	ug/L		08/14/14 09:41	08/19/14 19:47	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.025	ug/L		08/14/14 09:41	08/19/14 19:47	1
Pentachlorophenol	ND		1.0	0.52	ug/L		08/14/14 09:41	08/19/14 19:47	1
Phenanthrene	ND		0.21	0.043	ug/L		08/14/14 09:41	08/19/14 19:47	1
Phenol	ND		1.0	0.058	ug/L		08/14/14 09:41	08/19/14 19:47	1
Pyrene	ND		0.21	0.024	ug/L		08/14/14 09:41	08/19/14 19:47	1
1,2,4,5-Tetrachlorobenzene	ND		1.0	0.080	ug/L		08/14/14 09:41	08/19/14 19:47	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.11	ug/L		08/14/14 09:41	08/19/14 19:47	1
2,4,5-Trichlorophenol	ND		1.0	0.13	ug/L		08/14/14 09:41	08/19/14 19:47	1
2,4,6-Trichlorophenol	ND		1.0	0.31	ug/L		08/14/14 09:41	08/19/14 19:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1.0*	*T J*	*ug/L*		*4.13*		*08/14/14 09:41*	*08/19/14 19:47*	*1*
Unknown	*6.4*	*T J*	*ug/L*		*16.21*		*08/14/14 09:41*	*08/19/14 19:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*30 - 150*	*08/14/14 09:41*	*08/19/14 19:47*	*1*
2-Fluorophenol (Surr)	*87*		*30 - 150*	*08/14/14 09:41*	*08/19/14 19:47*	*1*
Nitrobenzene-d5 (Surr)	*91*		*30 - 150*	*08/14/14 09:41*	*08/19/14 19:47*	*1*
Phenol-d5 (Surr)	*83*		*30 - 150*	*08/14/14 09:41*	*08/19/14 19:47*	*1*
Terphenyl-d14 (Surr)	*99*		*10 - 150*	*08/14/14 09:41*	*08/19/14 19:47*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*30 - 150*	*08/14/14 09:41*	*08/19/14 19:47*	*1*

Method: 8081B_LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**0.0014**	**p**	0.0013	0.00080	ug/L		08/18/14 14:32	08/20/14 12:50	1
alpha-BHC	ND		0.0013	0.00063	ug/L		08/18/14 14:32	08/20/14 12:50	1
alpha-Chlordane	ND		0.0013	0.00094	ug/L		08/18/14 14:32	08/20/14 12:50	1
beta-BHC	ND		0.0013	0.00096	ug/L		08/18/14 14:32	08/20/14 12:50	1
4,4'-DDD	ND		0.0013	0.00064	ug/L		08/18/14 14:32	08/20/14 12:50	1
4,4'-DDE	ND		0.0013	0.00076	ug/L		08/18/14 14:32	08/20/14 12:50	1
4,4'-DDT	ND		0.0013	0.00071	ug/L		08/18/14 14:32	08/20/14 12:50	1
delta-BHC	ND		0.0013	0.00037	ug/L		08/18/14 14:32	08/20/14 12:50	1
Dieldrin	ND		0.0013	0.00079	ug/L		08/18/14 14:32	08/20/14 12:50	1
Endosulfan I	ND		0.0013	0.00090	ug/L		08/18/14 14:32	08/20/14 12:50	1
Endosulfan II	ND		0.0013	0.00094	ug/L		08/18/14 14:32	08/20/14 12:50	1
Endosulfan sulfate	ND		0.0013	0.00055	ug/L		08/18/14 14:32	08/20/14 12:50	1
Endrin	ND		0.0013	0.00092	ug/L		08/18/14 14:32	08/20/14 12:50	1
Endrin aldehyde	ND		0.0013	0.00087	ug/L		08/18/14 14:32	08/20/14 12:50	1
Endrin ketone	ND		0.0013	0.00088	ug/L		08/18/14 14:32	08/20/14 12:50	1
gamma-BHC (Lindane)	ND		0.0013	0.00077	ug/L		08/18/14 14:32	08/20/14 12:50	1

Client Sample ID: 20140812-EQUIPMENT BLANK-SOIL

Lab Sample ID: 180-35729-36
Date Collected: 08/12/14 16:53
Matrix: Water
Date Received: 08/13/14 12:37

Method: 8081B_LL - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	ND		0.0013	0.00092	ug/L		08/18/14 14:32	08/20/14 12:50	1
Heptachlor	ND		0.0013	0.00095	ug/L		08/18/14 14:32	08/20/14 12:50	1
Heptachlor epoxide	ND		0.0013	0.00093	ug/L		08/18/14 14:32	08/20/14 12:50	1
Methoxychlor	ND		0.0024	0.00088	ug/L		08/18/14 14:32	08/20/14 12:50	1
Toxaphene	ND		0.096	0.018	ug/L		08/18/14 14:32	08/20/14 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 122*	*08/18/14 14:32*	*08/20/14 12:50*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 122*	*08/18/14 14:32*	*08/20/14 12:50*	*1*
Tetrachloro-m-xylene	*67*		*60 - 111*	*08/18/14 14:32*	*08/20/14 12:50*	*1*
Tetrachloro-m-xylene	*64*		*60 - 111*	*08/18/14 14:32*	*08/20/14 12:50*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0096	0.0024	ug/L		08/18/14 14:32	08/20/14 19:40	1
PCB-1221	ND		0.0096	0.0024	ug/L		08/18/14 14:32	08/20/14 19:40	1
PCB-1232	ND		0.0096	0.0028	ug/L		08/18/14 14:32	08/20/14 19:40	1
PCB-1242	ND		0.0096	0.0018	ug/L		08/18/14 14:32	08/20/14 19:40	1
PCB-1248	ND		0.0096	0.0022	ug/L		08/18/14 14:32	08/20/14 19:40	1
PCB-1254	ND		0.0096	0.0022	ug/L		08/18/14 14:32	08/20/14 19:40	1
PCB-1260	ND		0.0096	0.0013	ug/L		08/18/14 14:32	08/20/14 19:40	1
PCB-1262	ND		0.0096	0.0020	ug/L		08/18/14 14:32	08/20/14 19:40	1
PCB-1268	ND		0.0096	0.0026	ug/L		08/18/14 14:32	08/20/14 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*60 - 135*	*08/18/14 14:32*	*08/20/14 19:40*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*25 - 150*	*08/18/14 14:32*	*08/20/14 19:40*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	42	ug/L		08/18/14 06:08	08/25/14 17:28	1
Antimony	ND		10	2.5	ug/L		08/18/14 06:08	08/25/14 17:28	1
Arsenic	ND		10	3.0	ug/L		08/18/14 06:08	08/25/14 17:28	1
Barium	ND		200	0.19	ug/L		08/18/14 06:08	08/25/14 17:28	1
Beryllium	ND		4.0	0.27	ug/L		08/18/14 06:08	08/25/14 17:28	1
Cadmium	ND		5.0	0.17	ug/L		08/18/14 06:08	08/25/14 17:28	1
Calcium	ND		5000	14	ug/L		08/18/14 06:08	08/25/14 17:28	1
Chromium	ND		5.0	1.0	ug/L		08/18/14 06:08	08/25/14 17:28	1
Cobalt	ND		50	0.39	ug/L		08/18/14 06:08	08/25/14 17:28	1
Copper	**0.85**	**J**	25	0.85	ug/L		08/18/14 06:08	08/25/14 17:28	1
Iron	**110**		100	5.3	ug/L		08/18/14 06:08	08/25/14 17:28	1
Lead	ND		10	1.5	ug/L		08/18/14 06:08	08/25/14 17:28	1
Magnesium	ND		5000	11	ug/L		08/18/14 06:08	08/25/14 17:28	1
Manganese	**0.83**	**J**	15	0.094	ug/L		08/18/14 06:08	08/25/14 17:28	1
Nickel	ND		40	0.49	ug/L		08/18/14 06:08	08/25/14 17:28	1
Potassium	**240**	**J B**	5000	41	ug/L		08/18/14 06:08	08/25/14 17:28	1
Selenium	ND		10	1.7	ug/L		08/18/14 06:08	08/25/14 17:28	1
Silver	ND		5.0	0.27	ug/L		08/18/14 06:08	08/25/14 17:28	1
Sodium	**43**	**J B**	5000	21	ug/L		08/18/14 06:08	08/25/14 17:28	1
Thallium	ND		20	1.5	ug/L		08/18/14 06:08	08/25/14 17:28	1

Client Sample ID: 20140812-EQUIPMENT BLANK-SOIL
Lab Sample ID: 180-35729-36

Date Collected: 08/12/14 16:53
Matrix: Water
Date Received: 08/13/14 12:37

Method: 6010C - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	ND		50	1.1	ug/L		08/18/14 06:08	08/25/14 17:28	1
Zinc	ND		20	6.0	ug/L		08/18/14 06:08	08/25/14 17:28	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.038	ug/L		08/14/14 11:41	08/14/14 13:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		10	3.2	ug/L		08/21/14 08:50	08/21/14 10:54	1

Client Sample ID: 20140812-SOURCE BLANK
Lab Sample ID: 180-35729-37

Date Collected: 08/12/14 15:55
Matrix: Water
Date Received: 08/13/14 12:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/19/14 21:21	1
Benzene	ND		1.0	0.11	ug/L			08/19/14 21:21	1
Bromoform	ND		1.0	0.19	ug/L			08/19/14 21:21	1
Bromomethane	ND		1.0	0.31	ug/L			08/19/14 21:21	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/19/14 21:21	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/19/14 21:21	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/19/14 21:21	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/19/14 21:21	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/19/14 21:21	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/19/14 21:21	1
Chloroethane	ND		1.0	0.21	ug/L			08/19/14 21:21	1
Chloroform	ND		1.0	0.17	ug/L			08/19/14 21:21	1
Chloromethane	ND		1.0	0.28	ug/L			08/19/14 21:21	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/19/14 21:21	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/19/14 21:21	1
Cyclohexane	ND		1.0	0.25	ug/L			08/19/14 21:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/19/14 21:21	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/19/14 21:21	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/19/14 21:21	1
1,3-Dichlorobenzene	ND	*	1.0	0.11	ug/L			08/19/14 21:21	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/19/14 21:21	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/19/14 21:21	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/19/14 21:21	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/19/14 21:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/14 21:21	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/19/14 21:21	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/19/14 21:21	1
1,4-Dioxane	ND		200	34	ug/L			08/19/14 21:21	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/19/14 21:21	1
2-Hexanone	ND		5.0	0.16	ug/L			08/19/14 21:21	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/19/14 21:21	1
Methyl acetate	ND		1.0	0.14	ug/L			08/19/14 21:21	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/19/14 21:21	1

Client Sample ID: 20140812-SOURCE BLANK

Lab Sample ID: 180-35729-37

Date Collected: 08/12/14 15:55
Matrix: Water
Date Received: 08/13/14 12:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.13	ug/L			08/19/14 21:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/19/14 21:21	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/19/14 21:21	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/19/14 21:21	1
o-Xylene	ND		1.0	0.11	ug/L			08/19/14 21:21	1
Styrene	ND		1.0	0.097	ug/L			08/19/14 21:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/19/14 21:21	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/19/14 21:21	1
Toluene	ND		1.0	0.15	ug/L			08/19/14 21:21	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/19/14 21:21	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/19/14 21:21	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/19/14 21:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/19/14 21:21	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/19/14 21:21	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/19/14 21:21	1
Trichloroethene	ND		1.0	0.14	ug/L			08/19/14 21:21	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/19/14 21:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/19/14 21:21	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/19/14 21:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1.4*	*T J*	*ug/L*		*1.69*			*08/19/14 21:21*	*1*
Unknown	*1.0*	*T J*	*ug/L*		*2.28*			*08/19/14 21:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 118*		*08/19/14 21:21*	*1*
Dibromofluoromethane (Surr)	*129*	*X*	*70 - 128*		*08/19/14 21:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*64 - 135*		*08/19/14 21:21*	*1*
Toluene-d8 (Surr)	*95*		*71 - 118*		*08/19/14 21:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.028	ug/L		08/14/14 09:41	08/19/14 20:13	1
Acenaphthylene	ND		0.19	0.021	ug/L		08/14/14 09:41	08/19/14 20:13	1
Acetophenone	ND		1.9	0.11	ug/L		08/14/14 09:41	08/19/14 20:13	1
Anthracene	ND		0.19	0.018	ug/L		08/14/14 09:41	08/19/14 20:13	1
Atrazine	ND		1.9	0.21	ug/L		08/14/14 09:41	08/19/14 20:13	1
Benzaldehyde	ND		1.9	0.10	ug/L		08/14/14 09:41	08/19/14 20:13	1
Benzo[a]anthracene	ND		0.19	0.035	ug/L		08/14/14 09:41	08/19/14 20:13	1
Benzo[a]pyrene	ND		0.19	0.027	ug/L		08/14/14 09:41	08/19/14 20:13	1
Benzo[b]fluoranthene	ND		0.19	0.047	ug/L		08/14/14 09:41	08/19/14 20:13	1
Benzo[g,h,i]perylene	ND		0.19	0.028	ug/L		08/14/14 09:41	08/19/14 20:13	1
Benzo[k]fluoranthene	ND		0.19	0.029	ug/L		08/14/14 09:41	08/19/14 20:13	1
1,1'-Biphenyl	ND		0.96	0.10	ug/L		08/14/14 09:41	08/19/14 20:13	1
Bis(2-chloroethoxy)methane	ND		0.96	0.13	ug/L		08/14/14 09:41	08/19/14 20:13	1
Bis(2-chloroethyl)ether	ND		0.96	0.030	ug/L		08/14/14 09:41	08/19/14 20:13	1
Bis(2-ethylhexyl) phthalate	**1.3**	**J**	1.9	0.42	ug/L		08/14/14 09:41	08/19/14 20:13	1
4-Bromophenyl phenyl ether	ND		0.96	0.11	ug/L		08/14/14 09:41	08/19/14 20:13	1
Butyl benzyl phthalate	**0.32**	**J**	0.96	0.21	ug/L		08/14/14 09:41	08/19/14 20:13	1
Caprolactam	ND		4.8	1.4	ug/L		08/14/14 09:41	08/19/14 20:13	1

Client Sample ID: 20140812-SOURCE BLANK
Date Collected: 08/12/14 15:55
Date Received: 08/13/14 12:37

Lab Sample ID: 180-35729-37
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		0.96	0.026	ug/L		08/14/14 09:41	08/19/14 20:13	1
4-Chloroaniline	ND		0.96	0.28	ug/L		08/14/14 09:41	08/19/14 20:13	1
4-Chloro-3-methylphenol	ND		0.96	0.16	ug/L		08/14/14 09:41	08/19/14 20:13	1
2-Chloronaphthalene	ND		0.19	0.030	ug/L		08/14/14 09:41	08/19/14 20:13	1
2-Chlorophenol	ND		0.96	0.22	ug/L		08/14/14 09:41	08/19/14 20:13	1
4-Chlorophenyl phenyl ether	ND		0.96	0.077	ug/L		08/14/14 09:41	08/19/14 20:13	1
Chrysene	ND		0.19	0.030	ug/L		08/14/14 09:41	08/19/14 20:13	1
Dibenz(a,h)anthracene	ND		0.19	0.026	ug/L		08/14/14 09:41	08/19/14 20:13	1
Dibenzofuran	ND		0.96	0.093	ug/L		08/14/14 09:41	08/19/14 20:13	1
3,3'-Dichlorobenzidine	ND		0.96	0.14	ug/L		08/14/14 09:41	08/19/14 20:13	1
2,4-Dichlorophenol	ND		0.96	0.065	ug/L		08/14/14 09:41	08/19/14 20:13	1
Diethyl phthalate	ND		0.96	0.29	ug/L		08/14/14 09:41	08/19/14 20:13	1
2,4-Dimethylphenol	ND		0.96	0.16	ug/L		08/14/14 09:41	08/19/14 20:13	1
Dimethyl phthalate	ND		0.96	0.18	ug/L		08/14/14 09:41	08/19/14 20:13	1
Di-n-butyl phthalate	ND		0.96	0.23	ug/L		08/14/14 09:41	08/19/14 20:13	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.5	ug/L		08/14/14 09:41	08/19/14 20:13	1
2,4-Dinitrophenol	ND		4.8	2.4	ug/L		08/14/14 09:41	08/19/14 20:13	1
2,4-Dinitrotoluene	ND		0.96	0.21	ug/L		08/14/14 09:41	08/19/14 20:13	1
2,6-Dinitrotoluene	ND		0.96	0.13	ug/L		08/14/14 09:41	08/19/14 20:13	1
Di-n-octyl phthalate	ND		0.96	0.20	ug/L		08/14/14 09:41	08/19/14 20:13	1
1,4-Dioxane	ND		1.9	0.050	ug/L		08/14/14 09:41	08/19/14 20:13	1
Fluoranthene	ND		0.19	0.020	ug/L		08/14/14 09:41	08/19/14 20:13	1
Fluorene	ND		0.19	0.023	ug/L		08/14/14 09:41	08/19/14 20:13	1
Hexachlorobenzene	ND		0.96	0.059	ug/L		08/14/14 09:41	08/19/14 20:13	1
Hexachlorobutadiene	ND		0.96	0.090	ug/L		08/14/14 09:41	08/19/14 20:13	1
Hexachlorocyclopentadiene	ND		0.96	0.13	ug/L		08/14/14 09:41	08/19/14 20:13	1
Hexachloroethane	ND		0.96	0.13	ug/L		08/14/14 09:41	08/19/14 20:13	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.042	ug/L		08/14/14 09:41	08/19/14 20:13	1
Isophorone	ND		0.96	0.071	ug/L		08/14/14 09:41	08/19/14 20:13	1
2-Methylnaphthalene	ND		0.19	0.018	ug/L		08/14/14 09:41	08/19/14 20:13	1
2-Methylphenol	ND		0.96	0.18	ug/L		08/14/14 09:41	08/19/14 20:13	1
Methylphenol, 3 & 4	ND		0.96	0.20	ug/L		08/14/14 09:41	08/19/14 20:13	1
Naphthalene	ND		0.19	0.022	ug/L		08/14/14 09:41	08/19/14 20:13	1
2-Nitroaniline	ND		4.8	0.65	ug/L		08/14/14 09:41	08/19/14 20:13	1
3-Nitroaniline	ND		4.8	0.77	ug/L		08/14/14 09:41	08/19/14 20:13	1
4-Nitroaniline	ND		4.8	0.74	ug/L		08/14/14 09:41	08/19/14 20:13	1
Nitrobenzene	ND		1.9	0.14	ug/L		08/14/14 09:41	08/19/14 20:13	1
2-Nitrophenol	ND		0.96	0.11	ug/L		08/14/14 09:41	08/19/14 20:13	1
4-Nitrophenol	ND		4.8	0.77	ug/L		08/14/14 09:41	08/19/14 20:13	1
N-Nitrosodi-n-propylamine	ND		0.96	0.048	ug/L		08/14/14 09:41	08/19/14 20:13	1
N-Nitrosodiphenylamine	ND		0.96	0.12	ug/L		08/14/14 09:41	08/19/14 20:13	1
2,2'-oxybis[1-chloropropane]	ND		0.96	0.023	ug/L		08/14/14 09:41	08/19/14 20:13	1
Pentachlorophenol	ND		0.96	0.48	ug/L		08/14/14 09:41	08/19/14 20:13	1
Phenanthrene	ND		0.19	0.040	ug/L		08/14/14 09:41	08/19/14 20:13	1
Phenol	ND		0.96	0.053	ug/L		08/14/14 09:41	08/19/14 20:13	1
Pyrene	ND		0.19	0.022	ug/L		08/14/14 09:41	08/19/14 20:13	1
1,2,4,5-Tetrachlorobenzene	ND		0.96	0.073	ug/L		08/14/14 09:41	08/19/14 20:13	1
2,3,4,6-Tetrachlorophenol	ND		0.96	0.10	ug/L		08/14/14 09:41	08/19/14 20:13	1
2,4,5-Trichlorophenol	ND		0.96	0.12	ug/L		08/14/14 09:41	08/19/14 20:13	1

Client Sample ID: 20140812-SOURCE BLANK

Lab Sample ID: 180-35729-37

Date Collected: 08/12/14 15:55

Matrix: Water

Date Received: 08/13/14 12:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		0.96	0.29	ug/L		08/14/14 09:41	08/19/14 20:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.79*	*T J*	*ug/L*		*4.14*		*08/14/14 09:41*	*08/19/14 20:13*	*1*
Unknown	*9.8*	*T J*	*ug/L*		*16.21*		*08/14/14 09:41*	*08/19/14 20:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*30 - 150*	*08/14/14 09:41*	*08/19/14 20:13*	*1*
2-Fluorophenol (Surr)	*86*		*30 - 150*	*08/14/14 09:41*	*08/19/14 20:13*	*1*
Nitrobenzene-d5 (Surr)	*85*		*30 - 150*	*08/14/14 09:41*	*08/19/14 20:13*	*1*
Phenol-d5 (Surr)	*81*		*30 - 150*	*08/14/14 09:41*	*08/19/14 20:13*	*1*
Terphenyl-d14 (Surr)	*96*		*10 - 150*	*08/14/14 09:41*	*08/19/14 20:13*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*30 - 150*	*08/14/14 09:41*	*08/19/14 20:13*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100	25	ug/L			08/19/14 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*88*		*40 - 133*		*08/19/14 12:36*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		490	100	ug/L		08/16/14 10:13	08/19/14 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*40 - 160*	*08/16/14 10:13*	*08/19/14 01:29*	*1*

Method: 8081B_LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**0.0023**	**p**	0.0014	0.00088	ug/L		08/18/14 14:32	08/20/14 13:05	1
alpha-BHC	ND		0.0014	0.00070	ug/L		08/18/14 14:32	08/20/14 13:05	1
alpha-Chlordane	ND		0.0014	0.0010	ug/L		08/18/14 14:32	08/20/14 13:05	1
beta-BHC	**0.0021**	**p**	0.0014	0.0011	ug/L		08/18/14 14:32	08/20/14 13:05	1
4,4'-DDD	ND		0.0014	0.00071	ug/L		08/18/14 14:32	08/20/14 13:05	1
4,4'-DDE	ND		0.0014	0.00084	ug/L		08/18/14 14:32	08/20/14 13:05	1
4,4'-DDT	ND		0.0014	0.00079	ug/L		08/18/14 14:32	08/20/14 13:05	1
delta-BHC	ND		0.0014	0.00040	ug/L		08/18/14 14:32	08/20/14 13:05	1
Dieldrin	ND		0.0014	0.00087	ug/L		08/18/14 14:32	08/20/14 13:05	1
Endosulfan I	ND		0.0014	0.0010	ug/L		08/18/14 14:32	08/20/14 13:05	1
Endosulfan II	ND		0.0014	0.0010	ug/L		08/18/14 14:32	08/20/14 13:05	1
Endosulfan sulfate	ND		0.0014	0.00061	ug/L		08/18/14 14:32	08/20/14 13:05	1
Endrin	ND		0.0014	0.0010	ug/L		08/18/14 14:32	08/20/14 13:05	1
Endrin aldehyde	ND		0.0014	0.00096	ug/L		08/18/14 14:32	08/20/14 13:05	1
Endrin ketone	ND		0.0014	0.00098	ug/L		08/18/14 14:32	08/20/14 13:05	1
gamma-BHC (Lindane)	ND		0.0014	0.00085	ug/L		08/18/14 14:32	08/20/14 13:05	1
gamma-Chlordane	ND		0.0014	0.0010	ug/L		08/18/14 14:32	08/20/14 13:05	1
Heptachlor	ND		0.0014	0.0011	ug/L		08/18/14 14:32	08/20/14 13:05	1
Heptachlor epoxide	ND		0.0014	0.0010	ug/L		08/18/14 14:32	08/20/14 13:05	1
Methoxychlor	ND		0.0027	0.00097	ug/L		08/18/14 14:32	08/20/14 13:05	1
Toxaphene	ND		0.11	0.020	ug/L		08/18/14 14:32	08/20/14 13:05	1

Client Sample ID: 20140812-SOURCE BLANK

Lab Sample ID: 180-35729-37

Date Collected: 08/12/14 15:55
Matrix: Water
Date Received: 08/13/14 12:37

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 122*	*08/18/14 14:32*	*08/20/14 13:05*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 122*	*08/18/14 14:32*	*08/20/14 13:05*	*1*
Tetrachloro-m-xylene	*70*		*60 - 111*	*08/18/14 14:32*	*08/20/14 13:05*	*1*
Tetrachloro-m-xylene	*68*		*60 - 111*	*08/18/14 14:32*	*08/20/14 13:05*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.011	0.0027	ug/L		08/18/14 14:32	08/20/14 20:11	1
PCB-1221	ND		0.011	0.0026	ug/L		08/18/14 14:32	08/20/14 20:11	1
PCB-1232	ND		0.011	0.0031	ug/L		08/18/14 14:32	08/20/14 20:11	1
PCB-1242	ND		0.011	0.0020	ug/L		08/18/14 14:32	08/20/14 20:11	1
PCB-1248	ND		0.011	0.0024	ug/L		08/18/14 14:32	08/20/14 20:11	1
PCB-1254	ND		0.011	0.0024	ug/L		08/18/14 14:32	08/20/14 20:11	1
PCB-1260	ND		0.011	0.0014	ug/L		08/18/14 14:32	08/20/14 20:11	1
PCB-1262	ND		0.011	0.0022	ug/L		08/18/14 14:32	08/20/14 20:11	1
PCB-1268	ND		0.011	0.0029	ug/L		08/18/14 14:32	08/20/14 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*60 - 135*	*08/18/14 14:32*	*08/20/14 20:11*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*25 - 150*	*08/18/14 14:32*	*08/20/14 20:11*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	42	ug/L		08/18/14 06:08	08/25/14 17:34	1
Antimony	ND		10	2.5	ug/L		08/18/14 06:08	08/25/14 17:34	1
Arsenic	ND		10	3.0	ug/L		08/18/14 06:08	08/25/14 17:34	1
Barium	ND		200	0.19	ug/L		08/18/14 06:08	08/25/14 17:34	1
Beryllium	ND		4.0	0.27	ug/L		08/18/14 06:08	08/25/14 17:34	1
Cadmium	ND		5.0	0.17	ug/L		08/18/14 06:08	08/25/14 17:34	1
Calcium	ND		5000	14	ug/L		08/18/14 06:08	08/25/14 17:34	1
Chromium	ND		5.0	1.0	ug/L		08/18/14 06:08	08/25/14 17:34	1
Cobalt	ND		50	0.39	ug/L		08/18/14 06:08	08/25/14 17:34	1
Copper	ND		25	0.85	ug/L		08/18/14 06:08	08/25/14 17:34	1
Iron	ND		100	5.3	ug/L		08/18/14 06:08	08/25/14 17:34	1
Lead	ND		10	1.5	ug/L		08/18/14 06:08	08/25/14 17:34	1
Magnesium	ND		5000	11	ug/L		08/18/14 06:08	08/25/14 17:34	1
Manganese	ND		15	0.094	ug/L		08/18/14 06:08	08/25/14 17:34	1
Nickel	ND		40	0.49	ug/L		08/18/14 06:08	08/25/14 17:34	1
Potassium	**220**	**J B**	5000	41	ug/L		08/18/14 06:08	08/25/14 17:34	1
Selenium	ND		10	1.7	ug/L		08/18/14 06:08	08/25/14 17:34	1
Silver	ND		5.0	0.27	ug/L		08/18/14 06:08	08/25/14 17:34	1
Sodium	**25**	**J B**	5000	21	ug/L		08/18/14 06:08	08/25/14 17:34	1
Thallium	ND		20	1.5	ug/L		08/18/14 06:08	08/25/14 17:34	1
Vanadium	ND		50	1.1	ug/L		08/18/14 06:08	08/25/14 17:34	1
Zinc	ND		20	6.0	ug/L		08/18/14 06:08	08/25/14 17:34	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.038	ug/L		08/14/14 11:41	08/14/14 13:48	1

Client Sample Results

Client Sample ID: 20140812-SOURCE BLANK
Lab Sample ID: 180-35729-37
Date Collected: 08/12/14 15:55
Matrix: Water
Date Received: 08/13/14 12:37

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		10	3.2	ug/L		08/21/14 08:50	08/21/14 10:54	1

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

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

Lab Sample ID: MB 180-115104/6
Matrix: Water
Analysis Batch: 115104

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/18/14 14:12	1
Benzene	ND		1.0	0.11	ug/L			08/18/14 14:12	1
Bromoform	ND		1.0	0.19	ug/L			08/18/14 14:12	1
Bromomethane	ND		1.0	0.31	ug/L			08/18/14 14:12	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/18/14 14:12	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/18/14 14:12	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/18/14 14:12	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/18/14 14:12	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/18/14 14:12	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/18/14 14:12	1
Chloroethane	ND		1.0	0.21	ug/L			08/18/14 14:12	1
Chloroform	ND		1.0	0.17	ug/L			08/18/14 14:12	1
Chloromethane	ND		1.0	0.28	ug/L			08/18/14 14:12	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/18/14 14:12	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/18/14 14:12	1
Cyclohexane	ND		1.0	0.25	ug/L			08/18/14 14:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/18/14 14:12	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/18/14 14:12	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/18/14 14:12	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/18/14 14:12	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/18/14 14:12	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/18/14 14:12	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/18/14 14:12	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/18/14 14:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/18/14 14:12	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/18/14 14:12	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/18/14 14:12	1
1,4-Dioxane	ND		200	34	ug/L			08/18/14 14:12	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/18/14 14:12	1
2-Hexanone	ND		5.0	0.16	ug/L			08/18/14 14:12	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/18/14 14:12	1
Methyl acetate	ND		1.0	0.14	ug/L			08/18/14 14:12	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/18/14 14:12	1
Methylene Chloride	0.302	J	1.0	0.13	ug/L			08/18/14 14:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/18/14 14:12	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/18/14 14:12	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/18/14 14:12	1
o-Xylene	ND		1.0	0.11	ug/L			08/18/14 14:12	1
Styrene	ND		1.0	0.097	ug/L			08/18/14 14:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/18/14 14:12	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/18/14 14:12	1
Toluene	ND		1.0	0.15	ug/L			08/18/14 14:12	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/18/14 14:12	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/18/14 14:12	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/18/14 14:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/18/14 14:12	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/18/14 14:12	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/18/14 14:12	1

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

Lab Sample ID: MB 180-115104/6 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 115104

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.0	0.14	ug/L			08/18/14 14:12	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/18/14 14:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/18/14 14:12	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/18/14 14:12	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/18/14 14:12*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 118*		*08/18/14 14:12*	*1*
Dibromofluoromethane (Surr)	*119*		*70 - 128*		*08/18/14 14:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*64 - 135*		*08/18/14 14:12*	*1*
Toluene-d8 (Surr)	*98*		*71 - 118*		*08/18/14 14:12*	*1*

Lab Sample ID: LCS 180-115104/7 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 115104

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10.0	9.18		ug/L		92	22 - 150
Benzene	10.0	9.71		ug/L		97	80 - 120
Bromoform	10.0	10.1		ug/L		101	46 - 150
Bromomethane	10.0	6.53		ug/L		65	33 - 150
2-Butanone (MEK)	10.0	10.2		ug/L		102	39 - 138
Carbon disulfide	10.0	9.94		ug/L		99	54 - 132
Carbon tetrachloride	10.0	10.1		ug/L		101	55 - 150
Chlorobenzene	10.0	10.0		ug/L		100	80 - 120
Chlorobromomethane	10.0	9.44		ug/L		94	70 - 127
Chlorodibromomethane	10.0	10.5		ug/L		105	60 - 140
Chloroethane	10.0	5.60		ug/L		56	36 - 142
Chloroform	10.0	9.59		ug/L		96	72 - 127
Chloromethane	10.0	7.96		ug/L		80	50 - 139
cis-1,2-Dichloroethene	10.0	9.96		ug/L		100	70 - 120
cis-1,3-Dichloropropene	10.0	9.31		ug/L		93	66 - 120
Cyclohexane	10.0	10.4		ug/L		104	45 - 142
1,2-Dibromo-3-Chloropropane	10.0	10.0		ug/L		100	37 - 133
1,2-Dibromoethane	10.0	10.1		ug/L		101	74 - 123
1,2-Dichlorobenzene	10.0	9.55		ug/L		96	77 - 120
1,3-Dichlorobenzene	10.0	9.79		ug/L		98	76 - 120
1,4-Dichlorobenzene	10.0	9.83		ug/L		98	77 - 120
Dichlorobromomethane	10.0	9.57		ug/L		96	66 - 130
Dichlorodifluoromethane	10.0	5.85		ug/L		59	13 - 150
1,1-Dichloroethane	10.0	9.54		ug/L		95	73 - 126
1,2-Dichloroethane	10.0	9.45		ug/L		94	68 - 132
1,1-Dichloroethene	10.0	10.3		ug/L		103	65 - 136
1,2-Dichloropropane	10.0	9.65		ug/L		96	76 - 124
1,4-Dioxane	200	160	J	ug/L		80	10 - 160

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

Lab Sample ID: LCS 180-115104/7
Matrix: Water
Analysis Batch: 115104

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	10.0	10.3		ug/L		103	72 - 126
2-Hexanone	10.0	14.0	*	ug/L		140	25 - 132
Isopropylbenzene	10.0	10.8		ug/L		108	58 - 130
Methyl acetate	50.0	53.6		ug/L		107	47 - 142
Methylcyclohexane	10.0	9.31		ug/L		93	45 - 145
Methylene Chloride	10.0	9.32		ug/L		93	63 - 129
4-Methyl-2-pentanone (MIBK)	10.0	11.5		ug/L		115	45 - 145
Methyl tert-butyl ether	10.0	9.16		ug/L		92	64 - 123
m-Xylene & p-Xylene	10.0	10.3		ug/L		103	73 - 130
o-Xylene	10.0	10.7		ug/L		107	72 - 124
Styrene	10.0	11.1		ug/L		111	71 - 127
1,1,2,2-Tetrachloroethane	10.0	9.85		ug/L		99	62 - 125
Tetrachloroethene	10.0	9.59		ug/L		96	70 - 135
Toluene	10.0	9.97		ug/L		100	80 - 123
trans-1,2-Dichloroethene	10.0	9.66		ug/L		97	73 - 126
trans-1,3-Dichloropropene	10.0	10.1		ug/L		101	65 - 125
1,2,3-Trichlorobenzene	10.0	9.05		ug/L		90	59 - 127
1,2,4-Trichlorobenzene	10.0	9.53		ug/L		95	60 - 127
1,1,1-Trichloroethane	10.0	9.00		ug/L		90	63 - 133
1,1,2-Trichloroethane	10.0	9.87		ug/L		99	77 - 127
Trichloroethene	10.0	9.85		ug/L		98	73 - 120
Trichlorofluoromethane	10.0	5.64		ug/L		56	44 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.23		ug/L		92	46 - 148
Vinyl chloride	10.0	6.56		ug/L		66	53 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 118*
Dibromofluoromethane (Surr)	*100*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*91*		*64 - 135*
Toluene-d8 (Surr)	*100*		*71 - 118*

Lab Sample ID: LCSD 180-115104/8
Matrix: Water
Analysis Batch: 115104

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	10.0	11.5		ug/L		115	22 - 150	23	35
Benzene	10.0	11.3		ug/L		113	80 - 120	15	32
Bromoform	10.0	11.2		ug/L		112	46 - 150	11	35
Bromomethane	10.0	7.98		ug/L		80	33 - 150	20	35
2-Butanone (MEK)	10.0	10.8		ug/L		108	39 - 138	6	35
Carbon disulfide	10.0	11.0		ug/L		110	54 - 132	10	35
Carbon tetrachloride	10.0	12.0		ug/L		120	55 - 150	18	35
Chlorobenzene	10.0	11.2		ug/L		112	80 - 120	11	29
Chlorobromomethane	10.0	12.0		ug/L		120	70 - 127	24	35
Chlorodibromomethane	10.0	12.3		ug/L		123	60 - 140	16	35
Chloroethane	10.0	6.26		ug/L		63	36 - 142	11	35

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

Lab Sample ID: LCSD 180-115104/8
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115104

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroform	10.0	11.2		ug/L		112	72 - 127	16	35
Chloromethane	10.0	9.34		ug/L		93	50 - 139	16	35
cis-1,2-Dichloroethene	10.0	11.3		ug/L		113	70 - 120	12	35
cis-1,3-Dichloropropene	10.0	10.6		ug/L		106	66 - 120	13	35
Cyclohexane	10.0	12.0		ug/L		120	45 - 142	14	35
1,2-Dibromo-3-Chloropropane	10.0	11.7		ug/L		117	37 - 133	16	35
1,2-Dibromoethane	10.0	11.6		ug/L		116	74 - 123	13	35
1,2-Dichlorobenzene	10.0	11.2		ug/L		112	77 - 120	16	24
1,3-Dichlorobenzene	10.0	11.3		ug/L		113	76 - 120	14	24
1,4-Dichlorobenzene	10.0	11.2		ug/L		112	77 - 120	13	24
Dichlorobromomethane	10.0	11.7		ug/L		117	66 - 130	20	35
Dichlorodifluoromethane	10.0	6.86		ug/L		69	13 - 150	16	35
1,1-Dichloroethane	10.0	11.5		ug/L		115	73 - 126	19	35
1,2-Dichloroethane	10.0	11.0		ug/L		110	68 - 132	15	32
1,1-Dichloroethene	10.0	11.4		ug/L		114	65 - 136	10	35
1,2-Dichloropropane	10.0	11.1		ug/L		111	76 - 124	14	34
1,4-Dioxane	200	208		ug/L		104	10 - 160	26	35
Ethylbenzene	10.0	11.6		ug/L		116	72 - 126	12	33
2-Hexanone	10.0	14.9	*	ug/L		149	25 - 132	6	35
Isopropylbenzene	10.0	11.9		ug/L		119	58 - 130	9	35
Methyl acetate	50.0	64.9		ug/L		130	47 - 142	19	35
Methylcyclohexane	10.0	10.7		ug/L		107	45 - 145	14	35
Methylene Chloride	10.0	11.0		ug/L		110	63 - 129	16	35
4-Methyl-2-pentanone (MIBK)	10.0	13.0		ug/L		130	45 - 145	13	35
Methyl tert-butyl ether	10.0	11.4		ug/L		114	64 - 123	22	35
m-Xylene & p-Xylene	10.0	11.7		ug/L		117	73 - 130	12	32
o-Xylene	10.0	11.8		ug/L		118	72 - 124	10	33
Styrene	10.0	12.3		ug/L		123	71 - 127	11	34
1,1,2,2-Tetrachloroethane	10.0	11.4		ug/L		114	62 - 125	15	35
Tetrachloroethene	10.0	10.6		ug/L		106	70 - 135	10	35
Toluene	10.0	11.5		ug/L		115	80 - 123	14	35
trans-1,2-Dichloroethene	10.0	11.4		ug/L		114	73 - 126	16	35
trans-1,3-Dichloropropene	10.0	11.3		ug/L		113	65 - 125	11	35
1,2,3-Trichlorobenzene	10.0	11.7		ug/L		117	59 - 127	26	35
1,2,4-Trichlorobenzene	10.0	12.1		ug/L		121	60 - 127	24	35
1,1,1-Trichloroethane	10.0	10.4		ug/L		104	63 - 133	15	35
1,1,2-Trichloroethane	10.0	11.3		ug/L		113	77 - 127	13	35
Trichloroethene	10.0	11.2		ug/L		112	73 - 120	13	35
Trichlorofluoromethane	10.0	6.09		ug/L		61	44 - 150	8	35
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.7		ug/L		107	46 - 148	15	35
Vinyl chloride	10.0	7.46		ug/L		75	53 - 138	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 118*
Dibromofluoromethane (Surr)	*118*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 135*
Toluene-d8 (Surr)	*116*		*71 - 118*

QC Sample Results

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

Lab Sample ID: MB 180-115232/10
Matrix: Water
Analysis Batch: 115232

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/19/14 15:19	1
Benzene	ND		1.0	0.11	ug/L			08/19/14 15:19	1
Bromoform	ND		1.0	0.19	ug/L			08/19/14 15:19	1
Bromomethane	ND		1.0	0.31	ug/L			08/19/14 15:19	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/19/14 15:19	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/19/14 15:19	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/19/14 15:19	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/19/14 15:19	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/19/14 15:19	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/19/14 15:19	1
Chloroethane	ND		1.0	0.21	ug/L			08/19/14 15:19	1
Chloroform	ND		1.0	0.17	ug/L			08/19/14 15:19	1
Chloromethane	ND		1.0	0.28	ug/L			08/19/14 15:19	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/19/14 15:19	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/19/14 15:19	1
Cyclohexane	ND		1.0	0.25	ug/L			08/19/14 15:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/19/14 15:19	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/19/14 15:19	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/19/14 15:19	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/19/14 15:19	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/19/14 15:19	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/19/14 15:19	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/19/14 15:19	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/19/14 15:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/14 15:19	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/19/14 15:19	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/19/14 15:19	1
1,4-Dioxane	ND		200	34	ug/L			08/19/14 15:19	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/19/14 15:19	1
2-Hexanone	ND		5.0	0.16	ug/L			08/19/14 15:19	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/19/14 15:19	1
Methyl acetate	ND		1.0	0.14	ug/L			08/19/14 15:19	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/19/14 15:19	1
Methylene Chloride	0.278	J	1.0	0.13	ug/L			08/19/14 15:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/19/14 15:19	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/19/14 15:19	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/19/14 15:19	1
o-Xylene	ND		1.0	0.11	ug/L			08/19/14 15:19	1
Styrene	ND		1.0	0.097	ug/L			08/19/14 15:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/19/14 15:19	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/19/14 15:19	1
Toluene	ND		1.0	0.15	ug/L			08/19/14 15:19	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/19/14 15:19	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/19/14 15:19	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/19/14 15:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/19/14 15:19	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/19/14 15:19	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/19/14 15:19	1

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

Lab Sample ID: MB 180-115232/10
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115232

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.0	0.14	ug/L			08/19/14 15:19	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/19/14 15:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/19/14 15:19	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/19/14 15:19	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/19/14 15:19*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 118*		*08/19/14 15:19*	*1*
Dibromofluoromethane (Surr)	*113*		*70 - 128*		*08/19/14 15:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 135*		*08/19/14 15:19*	*1*
Toluene-d8 (Surr)	*98*		*71 - 118*		*08/19/14 15:19*	*1*

Lab Sample ID: LCS 180-115232/11
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	19.0		ug/L		95	22 - 150
Benzene	10.0	11.5		ug/L		115	80 - 120
Bromoform	10.0	11.3		ug/L		113	46 - 150
Bromomethane	10.0	7.69		ug/L		77	33 - 150
2-Butanone (MEK)	20.0	20.4		ug/L		102	39 - 138
Carbon disulfide	10.0	11.3		ug/L		113	54 - 132
Carbon tetrachloride	10.0	12.1		ug/L		121	55 - 150
Chlorobenzene	10.0	11.8		ug/L		118	80 - 120
Chlorobromomethane	10.0	11.3		ug/L		113	70 - 127
Chlorodibromomethane	10.0	12.3		ug/L		123	60 - 140
Chloroethane	10.0	6.82		ug/L		68	36 - 142
Chloroform	10.0	11.3		ug/L		113	72 - 127
Chloromethane	10.0	9.52		ug/L		95	50 - 139
cis-1,2-Dichloroethene	10.0	11.8		ug/L		118	70 - 120
cis-1,3-Dichloropropene	10.0	11.1		ug/L		111	66 - 120
Cyclohexane	10.0	11.8		ug/L		118	45 - 142
1,2-Dibromo-3-Chloropropane	10.0	10.7		ug/L		107	37 - 133
1,2-Dibromoethane	10.0	12.2		ug/L		122	74 - 123
1,2-Dichlorobenzene	10.0	11.3		ug/L		113	77 - 120
1,3-Dichlorobenzene	10.0	11.0		ug/L		110	76 - 120
1,4-Dichlorobenzene	10.0	11.3		ug/L		113	77 - 120
Dichlorobromomethane	10.0	11.9		ug/L		119	66 - 130
Dichlorodifluoromethane	10.0	6.59		ug/L		66	13 - 150
1,1-Dichloroethane	10.0	11.1		ug/L		111	73 - 126
1,2-Dichloroethane	10.0	11.5		ug/L		115	68 - 132
1,1-Dichloroethene	10.0	11.2		ug/L		112	65 - 136
1,2-Dichloropropane	10.0	11.7		ug/L		117	76 - 124
1,4-Dioxane	200	200		ug/L		100	10 - 160

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

Lab Sample ID: LCS 180-115232/11
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	10.0	12.1		ug/L		121	72 - 126
2-Hexanone	20.0	24.5		ug/L		123	25 - 132
Isopropylbenzene	10.0	12.0		ug/L		120	58 - 130
Methyl acetate	50.0	65.0		ug/L		130	47 - 142
Methylcyclohexane	10.0	10.6		ug/L		106	45 - 145
Methylene Chloride	10.0	11.2		ug/L		112	63 - 129
4-Methyl-2-pentanone (MIBK)	20.0	22.6		ug/L		113	45 - 145
Methyl tert-butyl ether	10.0	11.2		ug/L		112	64 - 123
m-Xylene & p-Xylene	10.0	12.0		ug/L		120	73 - 130
o-Xylene	10.0	11.8		ug/L		118	72 - 124
Styrene	10.0	12.6		ug/L		126	71 - 127
1,1,2,2-Tetrachloroethane	10.0	11.3		ug/L		113	62 - 125
Tetrachloroethene	10.0	11.1		ug/L		111	70 - 135
Toluene	10.0	11.6		ug/L		116	80 - 123
trans-1,2-Dichloroethene	10.0	11.8		ug/L		118	73 - 126
trans-1,3-Dichloropropene	10.0	12.0		ug/L		120	65 - 125
1,2,3-Trichlorobenzene	10.0	11.1		ug/L		111	59 - 127
1,2,4-Trichlorobenzene	10.0	11.4		ug/L		114	60 - 127
1,1,1-Trichloroethane	10.0	10.6		ug/L		106	63 - 133
1,1,2-Trichloroethane	10.0	11.8		ug/L		118	77 - 127
Trichloroethene	10.0	11.2		ug/L		112	73 - 120
Trichlorofluoromethane	10.0	6.55		ug/L		66	44 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.5		ug/L		105	46 - 148
Vinyl chloride	10.0	7.64		ug/L		76	53 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 118*
Dibromofluoromethane (Surr)	*104*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 135*
Toluene-d8 (Surr)	*101*		*71 - 118*

Lab Sample ID: LCSD 180-115232/12
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115232

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	20.0	23.0		ug/L		115	22 - 150	19	35
Benzene	10.0	11.6		ug/L		116	80 - 120	1	32
Bromoform	10.0	11.4		ug/L		114	46 - 150	1	35
Bromomethane	10.0	8.13		ug/L		81	33 - 150	6	35
2-Butanone (MEK)	20.0	22.5		ug/L		113	39 - 138	10	35
Carbon disulfide	10.0	11.2		ug/L		112	54 - 132	1	35
Carbon tetrachloride	10.0	12.2		ug/L		122	55 - 150	0	35
Chlorobenzene	10.0	10.9		ug/L		109	80 - 120	8	29
Chlorobromomethane	10.0	11.7		ug/L		117	70 - 127	3	35
Chlorodibromomethane	10.0	12.0		ug/L		120	60 - 140	2	35
Chloroethane	10.0	6.73		ug/L		67	36 - 142	1	35

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

Lab Sample ID: LCSD 180-115232/12
Matrix: Water
Analysis Batch: 115232

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroform	10.0	11.5		ug/L		115	72 - 127	1	35
Chloromethane	10.0	9.56		ug/L		96	50 - 139	0	35
cis-1,2-Dichloroethene	10.0	11.7		ug/L		117	70 - 120	1	35
cis-1,3-Dichloropropene	10.0	10.9		ug/L		109	66 - 120	2	35
Cyclohexane	10.0	11.9		ug/L		119	45 - 142	1	35
1,2-Dibromo-3-Chloropropane	10.0	11.9		ug/L		119	37 - 133	10	35
1,2-Dibromoethane	10.0	11.7		ug/L		117	74 - 123	5	35
1,2-Dichlorobenzene	10.0	11.9		ug/L		119	77 - 120	5	24
1,3-Dichlorobenzene	10.0	12.1	*	ug/L		121	76 - 120	10	24
1,4-Dichlorobenzene	10.0	11.7		ug/L		117	77 - 120	4	24
Dichlorobromomethane	10.0	12.0		ug/L		120	66 - 130	1	35
Dichlorodifluoromethane	10.0	6.68		ug/L		67	13 - 150	1	35
1,1-Dichloroethane	10.0	11.6		ug/L		116	73 - 126	4	35
1,2-Dichloroethane	10.0	11.6		ug/L		116	68 - 132	0	32
1,1-Dichloroethene	10.0	11.3		ug/L		113	65 - 136	1	35
1,2-Dichloropropane	10.0	12.1		ug/L		121	76 - 124	3	34
1,4-Dioxane	200	207		ug/L		104	10 - 160	4	35
Ethylbenzene	10.0	11.2		ug/L		112	72 - 126	8	33
2-Hexanone	20.0	23.8		ug/L		119	25 - 132	3	35
Isopropylbenzene	10.0	11.3		ug/L		113	58 - 130	6	35
Methyl acetate	50.0	67.9		ug/L		136	47 - 142	4	35
Methylcyclohexane	10.0	11.1		ug/L		111	45 - 145	4	35
Methylene Chloride	10.0	11.5		ug/L		115	63 - 129	3	35
4-Methyl-2-pentanone (MIBK)	20.0	22.7		ug/L		114	45 - 145	1	35
Methyl tert-butyl ether	10.0	12.0		ug/L		120	64 - 123	7	35
m-Xylene & p-Xylene	10.0	11.5		ug/L		115	73 - 130	4	32
o-Xylene	10.0	11.6		ug/L		116	72 - 124	2	33
Styrene	10.0	12.2		ug/L		122	71 - 127	4	34
1,1,2,2-Tetrachloroethane	10.0	10.9		ug/L		109	62 - 125	3	35
Tetrachloroethene	10.0	10.3		ug/L		103	70 - 135	7	35
Toluene	10.0	11.2		ug/L		112	80 - 123	4	35
trans-1,2-Dichloroethene	10.0	11.2		ug/L		112	73 - 126	5	35
trans-1,3-Dichloropropene	10.0	10.9		ug/L		109	65 - 125	10	35
1,2,3-Trichlorobenzene	10.0	12.4		ug/L		124	59 - 127	11	35
1,2,4-Trichlorobenzene	10.0	12.4		ug/L		124	60 - 127	8	35
1,1,1-Trichloroethane	10.0	10.8		ug/L		108	63 - 133	2	35
1,1,2-Trichloroethane	10.0	10.5		ug/L		105	77 - 127	11	35
Trichloroethene	10.0	11.0		ug/L		110	73 - 120	2	35
Trichlorofluoromethane	10.0	6.31		ug/L		63	44 - 150	4	35
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.8		ug/L		108	46 - 148	3	35
Vinyl chloride	10.0	7.38		ug/L		74	53 - 138	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 118*
Dibromofluoromethane (Surr)	*112*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 135*
Toluene-d8 (Surr)	*99*		*71 - 118*

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-114641/1-A
Matrix: Solid
Analysis Batch: 114635

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114641

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Benzene	ND		5.0	0.68	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Bromoform	ND		5.0	0.44	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Chloroform	ND		5.0	0.58	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Styrene	ND		5.0	0.71	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Toluene	ND		5.0	0.73	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/14/14 03:59	08/14/14 06:33	1

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

Lab Sample ID: MB 180-114641/1-A
Matrix: Solid
Analysis Batch: 114635

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114641

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.0	0.66	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/14/14 03:59	08/14/14 06:33	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/14/14 03:59	08/14/14 06:33	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/14/14 03:59*	*08/14/14 06:33*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/14/14 03:59*	*08/14/14 06:33*	*1*
Dibromofluoromethane (Surr)	*101*		*68 - 121*	*08/14/14 03:59*	*08/14/14 06:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*	*08/14/14 03:59*	*08/14/14 06:33*	*1*
Toluene-d8 (Surr)	*98*		*72 - 127*	*08/14/14 03:59*	*08/14/14 06:33*	*1*

Lab Sample ID: LCS 180-114641/2-A
Matrix: Solid
Analysis Batch: 114635

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114641

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	35.7		ug/Kg		89	20 - 150
Benzene	40.0	39.7		ug/Kg		99	77 - 120
Bromoform	40.0	41.3		ug/Kg		103	53 - 140
Bromomethane	40.0	48.3		ug/Kg		121	25 - 150
2-Butanone (MEK)	40.0	35.3		ug/Kg		88	35 - 149
Carbon disulfide	40.0	41.6		ug/Kg		104	50 - 127
Carbon tetrachloride	40.0	44.9		ug/Kg		112	69 - 122
Chlorobenzene	40.0	38.8		ug/Kg		97	79 - 120
Chlorobromomethane	40.0	40.9		ug/Kg		102	67 - 126
Chlorodibromomethane	40.0	42.1		ug/Kg		105	70 - 132
Chloroethane	40.0	45.5		ug/Kg		114	22 - 150
Chloroform	40.0	41.8		ug/Kg		104	72 - 120
Chloromethane	40.0	41.6		ug/Kg		104	44 - 131
cis-1,2-Dichloroethene	40.0	40.2		ug/Kg		101	80 - 118
cis-1,3-Dichloropropene	40.0	39.4		ug/Kg		99	73 - 120
Cyclohexane	40.0	38.8		ug/Kg		97	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	36.5		ug/Kg		91	35 - 136
1,2-Dibromoethane	40.0	39.7		ug/Kg		99	70 - 131
1,2-Dichlorobenzene	40.0	39.1		ug/Kg		98	71 - 124
1,3-Dichlorobenzene	40.0	39.0		ug/Kg		98	75 - 118
1,4-Dichlorobenzene	40.0	39.6		ug/Kg		99	77 - 116
Dichlorobromomethane	40.0	40.1		ug/Kg		100	70 - 125
Dichlorodifluoromethane	40.0	33.3		ug/Kg		83	25 - 150
1,1-Dichloroethane	40.0	40.0		ug/Kg		100	66 - 124
1,2-Dichloroethane	40.0	42.0		ug/Kg		105	61 - 127
1,1-Dichloroethene	40.0	43.8		ug/Kg		110	59 - 129
1,2-Dichloropropane	40.0	38.1		ug/Kg		95	72 - 122
1,4-Dioxane	800	586	J	ug/Kg		73	10 - 160

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

Lab Sample ID: LCS 180-114641/2-A
Matrix: Solid
Analysis Batch: 114635

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114641

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	40.0	39.3		ug/Kg		98	78 - 125
2-Hexanone	40.0	41.0		ug/Kg		103	32 - 150
Isopropylbenzene	40.0	38.9		ug/Kg		97	70 - 133
Methyl acetate	200	190		ug/Kg		95	27 - 142
Methylcyclohexane	40.0	37.4		ug/Kg		93	66 - 135
Methylene Chloride	40.0	34.3		ug/Kg		86	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	40.7		ug/Kg		102	44 - 148
Methyl tert-butyl ether	40.0	44.6		ug/Kg		112	48 - 132
m-Xylene & p-Xylene	40.0	38.0		ug/Kg		95	75 - 126
o-Xylene	40.0	38.3		ug/Kg		96	83 - 127
Styrene	40.0	39.6		ug/Kg		99	83 - 129
1,1,2,2-Tetrachloroethane	40.0	38.5		ug/Kg		96	60 - 139
Tetrachloroethene	40.0	38.9		ug/Kg		97	78 - 129
Toluene	40.0	39.2		ug/Kg		98	78 - 124
trans-1,2-Dichloroethene	40.0	51.9	*	ug/Kg		130	77 - 121
trans-1,3-Dichloropropene	40.0	41.1		ug/Kg		103	74 - 129
1,2,3-Trichlorobenzene	40.0	28.9		ug/Kg		72	37 - 144
1,2,4-Trichlorobenzene	40.0	31.7		ug/Kg		79	51 - 136
1,1,1-Trichloroethane	40.0	43.0		ug/Kg		107	67 - 126
1,1,2-Trichloroethane	40.0	39.5		ug/Kg		99	70 - 128
Trichloroethene	40.0	37.9		ug/Kg		95	76 - 119
Trichlorofluoromethane	40.0	28.6		ug/Kg		72	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	45.9		ug/Kg		115	55 - 130
Vinyl chloride	40.0	40.9		ug/Kg		102	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*63 - 120*
Dibromofluoromethane (Surr)	*97*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*97*		*52 - 124*
Toluene-d8 (Surr)	*94*		*72 - 127*

Lab Sample ID: 180-35729-3 MS
Matrix: Solid
Analysis Batch: 114635

Client Sample ID: SSHS-B95-6-10 (8)
Prep Type: Total/NA
Prep Batch: 114641

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		42.0	36.0		ug/Kg	☼	86	20 - 150
Benzene	ND		42.0	43.5		ug/Kg	☼	104	77 - 120
Bromoform	ND		42.0	48.5		ug/Kg	☼	115	53 - 140
Bromomethane	ND		42.0	49.6		ug/Kg	☼	118	25 - 150
2-Butanone (MEK)	ND		42.0	36.0		ug/Kg	☼	86	35 - 149
Carbon disulfide	ND		42.0	48.0		ug/Kg	☼	114	50 - 127
Carbon tetrachloride	ND		42.0	49.1		ug/Kg	☼	117	69 - 122
Chlorobenzene	ND		42.0	45.6		ug/Kg	☼	109	79 - 120
Chlorobromomethane	ND		42.0	45.9		ug/Kg	☼	109	67 - 126
Chlorodibromomethane	ND		42.0	48.3		ug/Kg	☼	115	70 - 132
Chloroethane	ND		42.0	45.1		ug/Kg	☼	107	22 - 150

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

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

Lab Sample ID: 180-35729-3 MS
Matrix: Solid
Analysis Batch: 114635

Client Sample ID: SSHS-B95-6-10 (8)
Prep Type: Total/NA
Prep Batch: 114641

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	ND		42.0	45.5		ug/Kg	☼	108	72 - 120
Chloromethane	ND		42.0	44.2		ug/Kg	☼	105	44 - 131
cis-1,2-Dichloroethene	ND		42.0	44.7		ug/Kg	☼	106	80 - 118
cis-1,3-Dichloropropene	ND		42.0	44.1		ug/Kg	☼	105	73 - 120
Cyclohexane	ND		42.0	43.2		ug/Kg	☼	103	64 - 130
1,2-Dibromo-3-Chloropropane	ND		42.0	41.9		ug/Kg	☼	100	35 - 136
1,2-Dibromoethane	ND		42.0	47.0		ug/Kg	☼	112	70 - 131
1,2-Dichlorobenzene	ND		42.0	44.5		ug/Kg	☼	106	71 - 124
1,3-Dichlorobenzene	ND		42.0	46.3		ug/Kg	☼	110	75 - 118
1,4-Dichlorobenzene	ND		42.0	46.6		ug/Kg	☼	111	77 - 116
Dichlorobromomethane	ND		42.0	44.9		ug/Kg	☼	107	70 - 125
Dichlorodifluoromethane	ND		42.0	41.2		ug/Kg	☼	98	25 - 150
1,1-Dichloroethane	ND		42.0	43.3		ug/Kg	☼	103	66 - 124
1,2-Dichloroethane	ND		42.0	46.1		ug/Kg	☼	110	61 - 127
1,1-Dichloroethene	ND		42.0	49.1		ug/Kg	☼	117	59 - 129
1,2-Dichloropropane	ND		42.0	41.6		ug/Kg	☼	99	72 - 122
1,4-Dioxane	ND		840	849	J	ug/Kg	☼	101	10 - 160
Ethylbenzene	ND		42.0	45.2		ug/Kg	☼	108	78 - 125
2-Hexanone	ND		42.0	44.5		ug/Kg	☼	106	32 - 150
Isopropylbenzene	ND		42.0	46.1		ug/Kg	☼	110	70 - 133
Methyl acetate	ND		210	199		ug/Kg	☼	95	27 - 142
Methylcyclohexane	ND		42.0	41.3		ug/Kg	☼	98	66 - 135
Methylene Chloride	ND		42.0	39.9		ug/Kg	☼	95	58 - 127
4-Methyl-2-pentanone (MIBK)	ND		42.0	45.6		ug/Kg	☼	109	44 - 148
Methyl tert-butyl ether	ND		42.0	48.2		ug/Kg	☼	115	48 - 132
m-Xylene & p-Xylene	ND		42.0	45.2		ug/Kg	☼	108	75 - 126
o-Xylene	ND		42.0	46.5		ug/Kg	☼	111	83 - 127
Styrene	ND		42.0	46.5		ug/Kg	☼	111	83 - 129
1,1,2,2-Tetrachloroethane	ND		42.0	45.4		ug/Kg	☼	108	60 - 139
Tetrachloroethene	ND		42.0	45.2		ug/Kg	☼	108	78 - 129
Toluene	ND		42.0	44.8		ug/Kg	☼	107	78 - 124
trans-1,2-Dichloroethene	ND	*	42.0	45.7		ug/Kg	☼	109	77 - 121
trans-1,3-Dichloropropene	ND		42.0	48.6		ug/Kg	☼	116	74 - 129
1,2,3-Trichlorobenzene	ND		42.0	32.9		ug/Kg	☼	78	37 - 144
1,2,4-Trichlorobenzene	ND		42.0	36.6		ug/Kg	☼	87	51 - 136
1,1,1-Trichloroethane	ND		42.0	48.7		ug/Kg	☼	116	67 - 126
1,1,2-Trichloroethane	ND		42.0	47.0		ug/Kg	☼	112	70 - 128
Trichloroethene	1.1	J	42.0	42.1		ug/Kg	☼	98	76 - 119
Trichlorofluoromethane	ND		42.0	41.0		ug/Kg	☼	98	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		42.0	52.1		ug/Kg	☼	124	55 - 130
Vinyl chloride	ND		42.0	43.8		ug/Kg	☼	104	63 - 124

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*
Dibromofluoromethane (Surr)	*97*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*98*		*52 - 124*
Toluene-d8 (Surr)	*95*		*72 - 127*

QC Sample Results

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

Lab Sample ID: 180-35729-3 MSD
Matrix: Solid
Analysis Batch: 114635

Client Sample ID: SSHS-B95-6-10 (8)
Prep Type: Total/NA
Prep Batch: 114641

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		38.8	32.1		ug/Kg	☼	83	20 - 150	11	40
Benzene	ND		38.8	39.7		ug/Kg	☼	102	77 - 120	9	20
Bromoform	ND		38.8	43.6		ug/Kg	☼	112	53 - 140	11	23
Bromomethane	ND		38.8	43.9		ug/Kg	☼	113	25 - 150	12	40
2-Butanone (MEK)	ND		38.8	35.3		ug/Kg	☼	91	35 - 149	2	36
Carbon disulfide	ND		38.8	42.0		ug/Kg	☼	108	50 - 127	13	23
Carbon tetrachloride	ND		38.8	44.3		ug/Kg	☼	114	69 - 122	10	22
Chlorobenzene	ND		38.8	41.4		ug/Kg	☼	107	79 - 120	10	20
Chlorobromomethane	ND		38.8	41.4		ug/Kg	☼	107	67 - 126	10	29
Chlorodibromomethane	ND		38.8	44.6		ug/Kg	☼	115	70 - 132	8	20
Chloroethane	ND		38.8	53.0		ug/Kg	☼	137	22 - 150	16	40
Chloroform	ND		38.8	42.4		ug/Kg	☼	109	72 - 120	7	25
Chloromethane	ND		38.8	37.1		ug/Kg	☼	95	44 - 131	17	27
cis-1,2-Dichloroethene	ND		38.8	40.6		ug/Kg	☼	104	80 - 118	10	20
cis-1,3-Dichloropropene	ND		38.8	40.2		ug/Kg	☼	103	73 - 120	9	20
Cyclohexane	ND		38.8	38.3		ug/Kg	☼	99	64 - 130	12	21
1,2-Dibromo-3-Chloropropane	ND		38.8	37.2		ug/Kg	☼	96	35 - 136	12	40
1,2-Dibromoethane	ND		38.8	44.1		ug/Kg	☼	114	70 - 131	6	20
1,2-Dichlorobenzene	ND		38.8	40.0		ug/Kg	☼	103	71 - 124	11	22
1,3-Dichlorobenzene	ND		38.8	40.6		ug/Kg	☼	104	75 - 118	13	20
1,4-Dichlorobenzene	ND		38.8	40.4		ug/Kg	☼	104	77 - 116	14	20
Dichlorobromomethane	ND		38.8	41.5		ug/Kg	☼	107	70 - 125	8	21
Dichlorodifluoromethane	ND		38.8	35.1		ug/Kg	☼	90	25 - 150	16	34
1,1-Dichloroethane	ND		38.8	39.1		ug/Kg	☼	101	66 - 124	10	23
1,2-Dichloroethane	ND		38.8	42.0		ug/Kg	☼	108	61 - 127	9	23
1,1-Dichloroethene	ND		38.8	43.7		ug/Kg	☼	113	59 - 129	12	25
1,2-Dichloropropane	ND		38.8	37.9		ug/Kg	☼	98	72 - 122	9	20
1,4-Dioxane	ND		777	769	J	ug/Kg	☼	99	10 - 160	10	40
Ethylbenzene	ND		38.8	41.1		ug/Kg	☼	106	78 - 125	10	21
2-Hexanone	ND		38.8	40.9		ug/Kg	☼	105	32 - 150	9	32
Isopropylbenzene	ND		38.8	40.6		ug/Kg	☼	104	70 - 133	13	22
Methyl acetate	ND		194	183		ug/Kg	☼	94	27 - 142	8	40
Methylcyclohexane	ND		38.8	37.0		ug/Kg	☼	95	66 - 135	11	23
Methylene Chloride	ND		38.8	34.5		ug/Kg	☼	89	58 - 127	15	28
4-Methyl-2-pentanone (MIBK)	ND		38.8	43.1		ug/Kg	☼	111	44 - 148	6	30
Methyl tert-butyl ether	ND		38.8	45.2		ug/Kg	☼	116	48 - 132	6	36
m-Xylene & p-Xylene	ND		38.8	40.7		ug/Kg	☼	105	75 - 126	10	21
o-Xylene	ND		38.8	41.1		ug/Kg	☼	106	83 - 127	12	20
Styrene	ND		38.8	42.0		ug/Kg	☼	108	83 - 129	10	20
1,1,2,2-Tetrachloroethane	ND		38.8	41.2		ug/Kg	☼	106	60 - 139	10	24
Tetrachloroethene	ND		38.8	40.3		ug/Kg	☼	104	78 - 129	11	20
Toluene	ND		38.8	41.1		ug/Kg	☼	106	78 - 124	9	21
trans-1,2-Dichloroethene	ND	*	38.8	51.4	F1	ug/Kg	☼	132	77 - 121	12	20
trans-1,3-Dichloropropene	ND		38.8	44.9		ug/Kg	☼	116	74 - 129	8	20
1,2,3-Trichlorobenzene	ND		38.8	27.9		ug/Kg	☼	72	37 - 144	16	40
1,2,4-Trichlorobenzene	ND		38.8	29.7		ug/Kg	☼	76	51 - 136	21	40
1,1,1-Trichloroethane	ND		38.8	44.1		ug/Kg	☼	113	67 - 126	10	31
1,1,2-Trichloroethane	ND		38.8	42.8		ug/Kg	☼	110	70 - 128	9	22

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

Lab Sample ID: 180-35729-3 MSD
Matrix: Solid
Analysis Batch: 114635

Client Sample ID: SSHS-B95-6-10 (8)
Prep Type: Total/NA
Prep Batch: 114641

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	1.1	J	38.8	38.5		ug/Kg	☼	96	76 - 119	9	21
Trichlorofluoromethane	ND		38.8	37.9		ug/Kg	☼	98	20 - 150	8	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		38.8	46.0		ug/Kg	☼	119	55 - 130	12	37
Vinyl chloride	ND		38.8	38.1		ug/Kg	☼	98	63 - 124	14	27

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*
Dibromofluoromethane (Surr)	*102*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*100*		*52 - 124*
Toluene-d8 (Surr)	*96*		*72 - 127*

Lab Sample ID: MB 180-114801/1-A
Matrix: Solid
Analysis Batch: 114794

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Benzene	ND		5.0	0.68	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Bromoform	ND		5.0	0.44	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Chloroform	ND		5.0	0.58	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/15/14 04:00	08/15/14 06:42	1

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

Lab Sample ID: MB 180-114801/1-A
Matrix: Solid
Analysis Batch: 114794

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		5.0	0.90	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Styrene	ND		5.0	0.71	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Toluene	ND		5.0	0.73	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Trichloroethene	ND		5.0	0.66	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/15/14 04:00	08/15/14 06:42	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/15/14 04:00*	*08/15/14 06:42*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*08/15/14 04:00*	*08/15/14 06:42*	*1*
Dibromofluoromethane (Surr)	*100*		*68 - 121*	*08/15/14 04:00*	*08/15/14 06:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*	*08/15/14 04:00*	*08/15/14 06:42*	*1*
Toluene-d8 (Surr)	*97*		*72 - 127*	*08/15/14 04:00*	*08/15/14 06:42*	*1*

Lab Sample ID: LCS 180-114801/2-A
Matrix: Solid
Analysis Batch: 114794

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	36.0		ug/Kg		90	20 - 150
Benzene	40.0	38.0		ug/Kg		95	77 - 120
Bromoform	40.0	38.7		ug/Kg		97	53 - 140
Bromomethane	40.0	45.6		ug/Kg		114	25 - 150
2-Butanone (MEK)	40.0	36.2		ug/Kg		91	35 - 149
Carbon disulfide	40.0	42.4		ug/Kg		106	50 - 127
Carbon tetrachloride	40.0	42.7		ug/Kg		107	69 - 122
Chlorobenzene	40.0	37.6		ug/Kg		94	79 - 120
Chlorobromomethane	40.0	39.1		ug/Kg		98	67 - 126
Chlorodibromomethane	40.0	39.9		ug/Kg		100	70 - 132
Chloroethane	40.0	41.8		ug/Kg		104	22 - 150

QC Sample Results

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

Lab Sample ID: LCS 180-114801/2-A
Matrix: Solid
Analysis Batch: 114794

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	40.0	40.6		ug/Kg		101	72 - 120
Chloromethane	40.0	40.4		ug/Kg		101	44 - 131
cis-1,2-Dichloroethene	40.0	39.0		ug/Kg		98	80 - 118
cis-1,3-Dichloropropene	40.0	36.4		ug/Kg		91	73 - 120
Cyclohexane	40.0	37.5		ug/Kg		94	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	34.3		ug/Kg		86	35 - 136
1,2-Dibromoethane	40.0	38.1		ug/Kg		95	70 - 131
1,2-Dichlorobenzene	40.0	37.6		ug/Kg		94	71 - 124
1,3-Dichlorobenzene	40.0	36.9		ug/Kg		92	75 - 118
1,4-Dichlorobenzene	40.0	37.2		ug/Kg		93	77 - 116
Dichlorobromomethane	40.0	38.5		ug/Kg		96	70 - 125
Dichlorodifluoromethane	40.0	34.9		ug/Kg		87	25 - 150
1,1-Dichloroethane	40.0	39.2		ug/Kg		98	66 - 124
1,2-Dichloroethane	40.0	39.9		ug/Kg		100	61 - 127
1,1-Dichloroethene	40.0	43.5		ug/Kg		109	59 - 129
1,2-Dichloropropane	40.0	36.0		ug/Kg		90	72 - 122
1,4-Dioxane	800	586	J	ug/Kg		73	10 - 160
Ethylbenzene	40.0	37.5		ug/Kg		94	78 - 125
2-Hexanone	40.0	40.8		ug/Kg		102	32 - 150
Isopropylbenzene	40.0	38.0		ug/Kg		95	70 - 133
Methyl acetate	200	177		ug/Kg		88	27 - 142
Methylcyclohexane	40.0	35.6		ug/Kg		89	66 - 135
Methylene Chloride	40.0	37.3		ug/Kg		93	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	39.3		ug/Kg		98	44 - 148
Methyl tert-butyl ether	40.0	42.0		ug/Kg		105	48 - 132
m-Xylene & p-Xylene	40.0	37.2		ug/Kg		93	75 - 126
o-Xylene	40.0	37.6		ug/Kg		94	83 - 127
Styrene	40.0	37.3		ug/Kg		93	83 - 129
1,1,2,2-Tetrachloroethane	40.0	37.4		ug/Kg		93	60 - 139
Tetrachloroethene	40.0	37.2		ug/Kg		93	78 - 129
Toluene	40.0	38.0		ug/Kg		95	78 - 124
trans-1,2-Dichloroethene	40.0	41.6		ug/Kg		104	77 - 121
trans-1,3-Dichloropropene	40.0	39.4		ug/Kg		98	74 - 129
1,2,3-Trichlorobenzene	40.0	27.4		ug/Kg		69	37 - 144
1,2,4-Trichlorobenzene	40.0	31.3		ug/Kg		78	51 - 136
1,1,1-Trichloroethane	40.0	43.4		ug/Kg		108	67 - 126
1,1,2-Trichloroethane	40.0	37.4		ug/Kg		94	70 - 128
Trichloroethene	40.0	36.1		ug/Kg		90	76 - 119
Trichlorofluoromethane	40.0	39.2		ug/Kg		98	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	44.5		ug/Kg		111	55 - 130
Vinyl chloride	40.0	39.3		ug/Kg		98	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*
Dibromofluoromethane (Surr)	*103*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*102*		*52 - 124*
Toluene-d8 (Surr)	*97*		*72 - 127*

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

Lab Sample ID: MB 180-114925/1-A
Matrix: Solid
Analysis Batch: 114924

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Benzene	ND		5.0	0.68	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Bromoform	ND		5.0	0.44	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Chloroform	ND		5.0	0.58	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Styrene	ND		5.0	0.71	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Toluene	ND		5.0	0.73	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/15/14 22:06	08/15/14 23:25	1

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

Lab Sample ID: MB 180-114925/1-A
Matrix: Solid
Analysis Batch: 114924

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.0	0.66	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/15/14 22:06	08/15/14 23:25	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/15/14 22:06*	*08/15/14 23:25*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*08/15/14 22:06*	*08/15/14 23:25*	*1*
Dibromofluoromethane (Surr)	*99*		*68 - 121*	*08/15/14 22:06*	*08/15/14 23:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*52 - 124*	*08/15/14 22:06*	*08/15/14 23:25*	*1*
Toluene-d8 (Surr)	*97*		*72 - 127*	*08/15/14 22:06*	*08/15/14 23:25*	*1*

Lab Sample ID: LCS 180-114925/2-A
Matrix: Solid
Analysis Batch: 114924

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114925

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	41.1		ug/Kg		103	20 - 150
Benzene	40.0	41.2		ug/Kg		103	77 - 120
Bromoform	40.0	45.0		ug/Kg		112	53 - 140
Bromomethane	40.0	48.8		ug/Kg		122	25 - 150
2-Butanone (MEK)	40.0	41.0		ug/Kg		103	35 - 149
Carbon disulfide	40.0	45.0		ug/Kg		112	50 - 127
Carbon tetrachloride	40.0	47.0		ug/Kg		117	69 - 122
Chlorobenzene	40.0	42.9		ug/Kg		107	79 - 120
Chlorobromomethane	40.0	42.0		ug/Kg		105	67 - 126
Chlorodibromomethane	40.0	46.4		ug/Kg		116	70 - 132
Chloroethane	40.0	46.7		ug/Kg		117	22 - 150
Chloroform	40.0	44.8		ug/Kg		112	72 - 120
Chloromethane	40.0	43.4		ug/Kg		109	44 - 131
cis-1,2-Dichloroethene	40.0	42.2		ug/Kg		106	80 - 118
cis-1,3-Dichloropropene	40.0	42.5		ug/Kg		106	73 - 120
Cyclohexane	40.0	42.7		ug/Kg		107	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	43.7		ug/Kg		109	35 - 136
1,2-Dibromoethane	40.0	45.3		ug/Kg		113	70 - 131
1,2-Dichlorobenzene	40.0	43.3		ug/Kg		108	71 - 124
1,3-Dichlorobenzene	40.0	43.3		ug/Kg		108	75 - 118
1,4-Dichlorobenzene	40.0	43.3		ug/Kg		108	77 - 116
Dichlorobromomethane	40.0	43.6		ug/Kg		109	70 - 125
Dichlorodifluoromethane	40.0	39.2		ug/Kg		98	25 - 150
1,1-Dichloroethane	40.0	42.6		ug/Kg		107	66 - 124
1,2-Dichloroethane	40.0	45.7		ug/Kg		114	61 - 127
1,1-Dichloroethene	40.0	47.5		ug/Kg		119	59 - 129
1,2-Dichloropropane	40.0	41.0		ug/Kg		103	72 - 122
1,4-Dioxane	800	876	J	ug/Kg		109	10 - 160

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

Lab Sample ID: LCS 180-114925/2-A
Matrix: Solid
Analysis Batch: 114924

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114925

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	40.0	42.9		ug/Kg		107	78 - 125
2-Hexanone	40.0	46.9		ug/Kg		117	32 - 150
Isopropylbenzene	40.0	43.8		ug/Kg		110	70 - 133
Methyl acetate	200	200		ug/Kg		100	27 - 142
Methylcyclohexane	40.0	39.4		ug/Kg		98	66 - 135
Methylene Chloride	40.0	38.0		ug/Kg		95	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	46.9		ug/Kg		117	44 - 148
Methyl tert-butyl ether	40.0	47.0		ug/Kg		117	48 - 132
m-Xylene & p-Xylene	40.0	42.0		ug/Kg		105	75 - 126
o-Xylene	40.0	43.2		ug/Kg		108	83 - 127
Styrene	40.0	44.0		ug/Kg		110	83 - 129
1,1,2,2-Tetrachloroethane	40.0	44.7		ug/Kg		112	60 - 139
Tetrachloroethene	40.0	40.5		ug/Kg		101	78 - 129
Toluene	40.0	42.2		ug/Kg		105	78 - 124
trans-1,2-Dichloroethene	40.0	43.1		ug/Kg		108	77 - 121
trans-1,3-Dichloropropene	40.0	45.9		ug/Kg		115	74 - 129
1,2,3-Trichlorobenzene	40.0	35.5		ug/Kg		89	37 - 144
1,2,4-Trichlorobenzene	40.0	38.4		ug/Kg		96	51 - 136
1,1,1-Trichloroethane	40.0	46.9		ug/Kg		117	67 - 126
1,1,2-Trichloroethane	40.0	45.3		ug/Kg		113	70 - 128
Trichloroethene	40.0	39.5		ug/Kg		99	76 - 119
Trichlorofluoromethane	40.0	44.5		ug/Kg		111	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	50.8		ug/Kg		127	55 - 130
Vinyl chloride	40.0	42.1		ug/Kg		105	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*
Dibromofluoromethane (Surr)	*100*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*104*		*52 - 124*
Toluene-d8 (Surr)	*96*		*72 - 127*

Lab Sample ID: MB 180-115242/1-A
Matrix: Solid
Analysis Batch: 115214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115242

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		1000	250	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Benzene	ND		250	49	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Bromoform	ND		250	53	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Bromomethane	ND		250	79	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
2-Butanone (MEK)	ND		250	54	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Carbon disulfide	ND		250	54	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Carbon tetrachloride	ND		250	54	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Chlorobenzene	ND		250	26	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Chlorobromomethane	ND		250	50	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Chlorodibromomethane	ND		250	32	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Chloroethane	ND		250	37	ug/Kg		08/19/14 08:45	08/19/14 12:57	1

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

Lab Sample ID: MB 180-115242/1-A
Matrix: Solid
Analysis Batch: 115214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115242

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		250	50	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Chloromethane	ND		250	70	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
cis-1,2-Dichloroethene	ND		250	33	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
cis-1,3-Dichloropropene	ND		250	36	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Cyclohexane	ND		250	30	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,2-Dibromo-3-Chloropropane	ND		250	18	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,2-Dibromoethane	ND		250	31	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,2-Dichlorobenzene	ND		250	34	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,3-Dichlorobenzene	ND		250	25	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,4-Dichlorobenzene	ND		250	26	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Dichlorobromomethane	ND		250	47	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Dichlorodifluoromethane	ND		250	32	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,1-Dichloroethane	ND		250	51	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,2-Dichloroethane	ND		250	48	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,1-Dichloroethene	ND		250	53	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,2-Dichloropropane	ND		250	64	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,4-Dioxane	ND		50000	4900	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Ethylbenzene	ND		250	31	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
2-Hexanone	ND		250	28	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Isopropylbenzene	ND		250	27	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Methyl acetate	ND		250	61	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Methylcyclohexane	ND		250	28	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Methylene Chloride	ND		250	54	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
4-Methyl-2-pentanone (MIBK)	ND		250	30	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Methyl tert-butyl ether	ND		250	51	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
m-Xylene & p-Xylene	ND		500	64	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
o-Xylene	ND		250	37	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Styrene	ND		250	32	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,1,2,2-Tetrachloroethane	ND		250	47	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Tetrachloroethene	ND		250	41	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Toluene	ND		250	42	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
trans-1,2-Dichloroethene	ND		250	38	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
trans-1,3-Dichloropropene	ND		250	29	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,2,3-Trichlorobenzene	ND		250	31	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,2,4-Trichlorobenzene	ND		250	19	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,1,1-Trichloroethane	ND		250	51	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,1,2-Trichloroethane	ND		250	58	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Trichloroethene	ND		250	40	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Trichlorofluoromethane	ND		250	56	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250	17	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Vinyl chloride	ND		250	65	ug/Kg		08/19/14 08:45	08/19/14 12:57	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/19/14 08:45*	*08/19/14 12:57*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*63 - 120*	*08/19/14 08:45*	*08/19/14 12:57*	*1*

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

Lab Sample ID: MB 180-115242/1-A
Matrix: Solid
Analysis Batch: 115214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115242

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*94*		*68 - 121*	*08/19/14 08:45*	*08/19/14 12:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*74*		*52 - 124*	*08/19/14 08:45*	*08/19/14 12:57*	*1*
Toluene-d8 (Surr)	*108*		*72 - 127*	*08/19/14 08:45*	*08/19/14 12:57*	*1*

Lab Sample ID: LCS 180-115242/2-A
Matrix: Solid
Analysis Batch: 115214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115242

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	2000	1490		ug/Kg		74	20 - 150
Benzene	2000	2060		ug/Kg		103	77 - 120
Bromoform	2000	1490		ug/Kg		74	53 - 140
Bromomethane	2000	1780		ug/Kg		89	25 - 150
2-Butanone (MEK)	2000	1430		ug/Kg		72	35 - 149
Carbon disulfide	2000	2370		ug/Kg		118	50 - 127
Carbon tetrachloride	2000	2230		ug/Kg		112	69 - 122
Chlorobenzene	2000	1880		ug/Kg		94	79 - 120
Chlorobromomethane	2000	1860		ug/Kg		93	67 - 126
Chlorodibromomethane	2000	1670		ug/Kg		83	70 - 132
Chloroethane	2000	1770		ug/Kg		89	22 - 150
Chloroform	2000	1990		ug/Kg		99	72 - 120
Chloromethane	2000	2070		ug/Kg		103	44 - 131
cis-1,2-Dichloroethene	2000	2110		ug/Kg		106	80 - 118
cis-1,3-Dichloropropene	2000	1980		ug/Kg		99	73 - 120
Cyclohexane	2000	2200		ug/Kg		110	64 - 130
1,2-Dibromo-3-Chloropropane	2000	2070		ug/Kg		104	35 - 136
1,2-Dibromoethane	2000	1470		ug/Kg		74	70 - 131
1,2-Dichlorobenzene	2000	1820		ug/Kg		91	71 - 124
1,3-Dichlorobenzene	2000	2100		ug/Kg		105	75 - 118
1,4-Dichlorobenzene	2000	1690		ug/Kg		84	77 - 116
Dichlorobromomethane	2000	1970		ug/Kg		99	70 - 125
Dichlorodifluoromethane	2000	2290		ug/Kg		114	25 - 150
1,1-Dichloroethane	2000	2130		ug/Kg		107	66 - 124
1,2-Dichloroethane	2000	1710		ug/Kg		85	61 - 127
1,1-Dichloroethene	2000	2120		ug/Kg		106	59 - 129
1,2-Dichloropropane	2000	1970		ug/Kg		99	72 - 122
1,4-Dioxane	40000	22000	J	ug/Kg		55	10 - 160
Ethylbenzene	2000	1970		ug/Kg		99	78 - 125
2-Hexanone	2000	1510		ug/Kg		75	32 - 150
Isopropylbenzene	2000	2110		ug/Kg		105	70 - 133
Methyl acetate	10000	8620		ug/Kg		86	27 - 142
Methylcyclohexane	2000	2270		ug/Kg		114	66 - 135
Methylene Chloride	2000	1940		ug/Kg		97	58 - 127
4-Methyl-2-pentanone (MIBK)	2000	1410		ug/Kg		70	44 - 148
Methyl tert-butyl ether	2000	1840		ug/Kg		92	48 - 132
m-Xylene & p-Xylene	2000	2100		ug/Kg		105	75 - 126
o-Xylene	2000	2050		ug/Kg		102	83 - 127
Styrene	2000	2080		ug/Kg		104	83 - 129

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

Lab Sample ID: LCS 180-115242/2-A
Matrix: Solid
Analysis Batch: 115214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115242

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	2000	1390		ug/Kg		69	60 - 139
Tetrachloroethene	2000	1890		ug/Kg		94	78 - 129
Toluene	2000	1970		ug/Kg		98	78 - 124
trans-1,2-Dichloroethene	2000	2090		ug/Kg		104	77 - 121
trans-1,3-Dichloropropene	2000	1700		ug/Kg		85	74 - 129
1,2,3-Trichlorobenzene	2000	1730		ug/Kg		86	37 - 144
1,2,4-Trichlorobenzene	2000	1740		ug/Kg		87	51 - 136
1,1,1-Trichloroethane	2000	2240		ug/Kg		112	67 - 126
1,1,2-Trichloroethane	2000	1550		ug/Kg		78	70 - 128
Trichloroethene	2000	2120		ug/Kg		106	76 - 119
Trichlorofluoromethane	2000	1880		ug/Kg		94	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	2000	2140		ug/Kg		107	55 - 130
Vinyl chloride	2000	2120		ug/Kg		106	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*63 - 120*
Dibromofluoromethane (Surr)	*94*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*76*		*52 - 124*
Toluene-d8 (Surr)	*91*		*72 - 127*

Lab Sample ID: LCSD 180-115242/3-A
Matrix: Solid
Analysis Batch: 115214

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115242

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	2000	1520		ug/Kg		76	20 - 150	2	40
Benzene	2000	2030		ug/Kg		102	77 - 120	2	20
Bromoform	2000	1520		ug/Kg		76	53 - 140	2	23
Bromomethane	2000	1790		ug/Kg		89	25 - 150	0	40
2-Butanone (MEK)	2000	1400		ug/Kg		70	35 - 149	2	36
Carbon disulfide	2000	2220		ug/Kg		111	50 - 127	7	23
Carbon tetrachloride	2000	2170		ug/Kg		108	69 - 122	3	22
Chlorobenzene	2000	1890		ug/Kg		95	79 - 120	1	20
Chlorobromomethane	2000	1920		ug/Kg		96	67 - 126	3	29
Chlorodibromomethane	2000	1710		ug/Kg		85	70 - 132	2	20
Chloroethane	2000	1500		ug/Kg		75	22 - 150	17	40
Chloroform	2000	2030		ug/Kg		101	72 - 120	2	25
Chloromethane	2000	1980		ug/Kg		99	44 - 131	4	27
cis-1,2-Dichloroethene	2000	2090		ug/Kg		105	80 - 118	1	20
cis-1,3-Dichloropropene	2000	1930		ug/Kg		97	73 - 120	2	20
Cyclohexane	2000	2120		ug/Kg		106	64 - 130	4	21
1,2-Dibromo-3-Chloropropane	2000	1910	*	ug/Kg		96	35 - 136	51	40
1,2-Dibromoethane	2000	1510		ug/Kg		75	70 - 131	2	20
1,2-Dichlorobenzene	2000	1750		ug/Kg		87	71 - 124	4	22
1,3-Dichlorobenzene	2000	2030		ug/Kg		101	75 - 118	4	20
1,4-Dichlorobenzene	2000	1780		ug/Kg		89	77 - 116	5	20
Dichlorobromomethane	2000	2010		ug/Kg		100	70 - 125	2	21

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

Lab Sample ID: LCSD 180-115242/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115214 **Prep Batch: 115242**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	2000	2180		ug/Kg		109	25 - 150	5	34
1,1-Dichloroethane	2000	2100		ug/Kg		105	66 - 124	1	23
1,2-Dichloroethane	2000	1730		ug/Kg		86	61 - 127	1	23
1,1-Dichloroethene	2000	2030		ug/Kg		101	59 - 129	4	25
1,2-Dichloropropane	2000	1960		ug/Kg		98	72 - 122	1	20
1,4-Dioxane	40000	25200	J	ug/Kg		63	10 - 160	14	40
Ethylbenzene	2000	1970		ug/Kg		99	78 - 125	0	21
2-Hexanone	2000	1630		ug/Kg		81	32 - 150	8	32
Isopropylbenzene	2000	2050		ug/Kg		102	70 - 133	3	22
Methyl acetate	10000	8600		ug/Kg		86	27 - 142	0	40
Methylcyclohexane	2000	2210		ug/Kg		111	66 - 135	3	23
Methylene Chloride	2000	1880		ug/Kg		94	58 - 127	3	28
4-Methyl-2-pentanone (MIBK)	2000	1510		ug/Kg		75	44 - 148	7	30
Methyl tert-butyl ether	2000	1850		ug/Kg		93	48 - 132	1	36
m-Xylene & p-Xylene	2000	2140		ug/Kg		107	75 - 126	2	21
o-Xylene	2000	1980		ug/Kg		99	83 - 127	3	20
Styrene	2000	2040		ug/Kg		102	83 - 129	2	20
1,1,2,2-Tetrachloroethane	2000	1360		ug/Kg		68	60 - 139	2	24
Tetrachloroethene	2000	1780		ug/Kg		89	78 - 129	6	20
Toluene	2000	1840		ug/Kg		92	78 - 124	7	21
trans-1,2-Dichloroethene	2000	2110		ug/Kg		106	77 - 121	1	20
trans-1,3-Dichloropropene	2000	1690		ug/Kg		84	74 - 129	1	20
1,2,3-Trichlorobenzene	2000	1930		ug/Kg		97	37 - 144	11	40
1,2,4-Trichlorobenzene	2000	1790		ug/Kg		89	51 - 136	2	40
1,1,1-Trichloroethane	2000	2160		ug/Kg		108	67 - 126	4	31
1,1,2-Trichloroethane	2000	1540		ug/Kg		77	70 - 128	1	22
Trichloroethene	2000	2080		ug/Kg		104	76 - 119	2	21
Trichlorofluoromethane	2000	1750		ug/Kg		88	20 - 150	7	40
1,1,2-Trichloro-1,2,2-trifluoroethane	2000	2050		ug/Kg		103	55 - 130	4	37
Vinyl chloride	2000	2070		ug/Kg		103	63 - 124	3	27

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*
Dibromofluoromethane (Surr)	*98*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*76*		*52 - 124*
Toluene-d8 (Surr)	*88*		*72 - 127*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-115180/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115193 **Prep Batch: 115180**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	6.4	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Acenaphthylene	ND		67	7.6	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Acetophenone	ND		330	27	ug/Kg		08/19/14 02:45	08/19/14 12:59	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-115180/1-A
Matrix: Solid
Analysis Batch: 115193

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		67	6.5	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Atrazine	ND		330	32	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Benzaldehyde	ND		330	50	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Benzo[a]anthracene	ND		67	8.4	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Benzo[a]pyrene	ND		67	6.7	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Benzo[b]fluoranthene	ND		67	10	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Benzo[g,h,i]perylene	ND		67	6.6	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Benzo[k]fluoranthene	ND		67	13	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
1,1'-Biphenyl	ND		330	30	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Bis(2-chloroethoxy)methane	ND		330	22	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Bis(2-chloroethyl)ether	ND		67	9.0	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Bis(2-ethylhexyl) phthalate	ND		670	54	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
4-Bromophenyl phenyl ether	ND		330	29	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Butyl benzyl phthalate	ND		330	46	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Caprolactam	ND		1700	250	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Carbazole	ND		67	6.1	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
4-Chloroaniline	ND		330	27	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
4-Chloro-3-methylphenol	ND		330	31	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
2-Chloronaphthalene	ND		67	7.0	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
2-Chlorophenol	ND		330	27	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
4-Chlorophenyl phenyl ether	ND		330	37	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Chrysene	ND		67	7.9	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Dibenz(a,h)anthracene	ND		67	7.4	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Dibenzofuran	ND		330	33	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
3,3'-Dichlorobenzidine	ND		330	35	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
2,4-Dichlorophenol	ND		67	6.7	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Diethyl phthalate	ND		330	36	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
2,4-Dimethylphenol	ND		330	52	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Dimethyl phthalate	ND		330	36	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Di-n-butyl phthalate	ND		330	42	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
4,6-Dinitro-2-methylphenol	ND		1700	130	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
2,4-Dinitrophenol	ND		1700	400	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
2,4-Dinitrotoluene	ND		330	27	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
2,6-Dinitrotoluene	ND		330	34	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Di-n-octyl phthalate	ND		330	35	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
1,4-Dioxane	ND		670	38	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Fluoranthene	ND		67	7.1	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Fluorene	ND		67	8.8	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Hexachlorobenzene	ND		67	7.1	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Hexachlorobutadiene	ND		67	7.5	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Hexachlorocyclopentadiene	ND		330	36	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Hexachloroethane	ND		330	24	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Indeno[1,2,3-cd]pyrene	ND		67	6.9	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Isophorone	ND		330	25	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
2-Methylnaphthalene	ND		67	6.0	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
2-Methylphenol	ND		330	23	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Methylphenol, 3 & 4	ND		330	33	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Naphthalene	ND		67	5.7	ug/Kg		08/19/14 02:45	08/19/14 12:59	1

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-115180/1-A
Matrix: Solid
Analysis Batch: 115193

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1700	150	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
3-Nitroaniline	ND		1700	140	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
4-Nitroaniline	ND		1700	140	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Nitrobenzene	ND		670	28	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
2-Nitrophenol	ND		330	37	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
4-Nitrophenol	ND		1700	120	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
N-Nitrosodi-n-propylamine	ND		67	7.8	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
N-Nitrosodiphenylamine	ND		330	31	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
2,2'-oxybis[1-chloropropane]	ND		67	7.2	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Pentachlorophenol	ND		330	30	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Phenanthrene	ND		67	11	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Phenol	ND		67	7.9	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
Pyrene	ND		67	6.7	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
1,2,4,5-Tetrachlorobenzene	ND		330	25	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
2,3,4,6-Tetrachlorophenol	ND		330	21	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
2,4,5-Trichlorophenol	ND		330	36	ug/Kg		08/19/14 02:45	08/19/14 12:59	1
2,4,6-Trichlorophenol	ND		330	50	ug/Kg		08/19/14 02:45	08/19/14 12:59	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/19/14 02:45*	*08/19/14 12:59*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 105*	*08/19/14 02:45*	*08/19/14 12:59*	*1*
2-Fluorophenol (Surr)	*71*		*39 - 103*	*08/19/14 02:45*	*08/19/14 12:59*	*1*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/19/14 02:45*	*08/19/14 12:59*	*1*
Phenol-d5 (Surr)	*70*		*25 - 105*	*08/19/14 02:45*	*08/19/14 12:59*	*1*
Terphenyl-d14 (Surr)	*69*		*25 - 127*	*08/19/14 02:45*	*08/19/14 12:59*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*35 - 124*	*08/19/14 02:45*	*08/19/14 12:59*	*1*

Lab Sample ID: LCS 180-115180/2-A
Matrix: Solid
Analysis Batch: 115193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	6670	4230		ug/Kg		64	47 - 104
Acenaphthylene	6670	4260		ug/Kg		64	49 - 114
Acetophenone	6670	4330		ug/Kg		65	30 - 150
Anthracene	6670	4390		ug/Kg		66	45 - 112
Atrazine	6670	3940		ug/Kg		59	30 - 150
Benzaldehyde	6670	4930		ug/Kg		74	30 - 150
Benzo[a]anthracene	6670	4580		ug/Kg		69	47 - 110
Benzo[a]pyrene	6670	4430		ug/Kg		66	47 - 112
Benzo[b]fluoranthene	6670	4490		ug/Kg		67	41 - 107
Benzo[g,h,i]perylene	6670	4920		ug/Kg		74	38 - 126
Benzo[k]fluoranthene	6670	4030		ug/Kg		60	44 - 115
1,1'-Biphenyl	6670	4110		ug/Kg		62	30 - 150
Bis(2-chloroethoxy)methane	6670	4080		ug/Kg		61	44 - 101

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-115180/2-A
Matrix: Solid
Analysis Batch: 115193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethyl)ether	6670	4090		ug/Kg		61	38 - 99
Bis(2-ethylhexyl) phthalate	6670	5240		ug/Kg		79	40 - 122
4-Bromophenyl phenyl ether	6670	4480		ug/Kg		67	47 - 110
Butyl benzyl phthalate	6670	5340		ug/Kg		80	41 - 118
Caprolactam	6670	4740		ug/Kg		71	30 - 150
Carbazole	6670	4350		ug/Kg		65	45 - 114
4-Chloroaniline	6670	4150		ug/Kg		62	25 - 108
4-Chloro-3-methylphenol	6670	4840		ug/Kg		73	47 - 109
2-Chloronaphthalene	6670	3840		ug/Kg		58	46 - 101
2-Chlorophenol	6670	4360		ug/Kg		65	40 - 101
4-Chlorophenyl phenyl ether	6670	4250		ug/Kg		64	47 - 109
Chrysene	6670	4690		ug/Kg		70	46 - 111
Dibenz(a,h)anthracene	6670	4890		ug/Kg		73	39 - 127
Dibenzofuran	6670	4170		ug/Kg		62	46 - 104
3,3'-Dichlorobenzidine	6670	4930		ug/Kg		74	19 - 122
2,4-Dichlorophenol	6670	4510		ug/Kg		68	47 - 105
Diethyl phthalate	6670	4360		ug/Kg		65	47 - 115
2,4-Dimethylphenol	6670	4430		ug/Kg		66	44 - 105
Dimethyl phthalate	6670	4410		ug/Kg		66	49 - 111
Di-n-butyl phthalate	6670	4640		ug/Kg		70	43 - 121
4,6-Dinitro-2-methylphenol	13300	8350		ug/Kg		63	24 - 134
2,4-Dinitrophenol	13300	7410		ug/Kg		56	10 - 146
2,4-Dinitrotoluene	6670	4850		ug/Kg		73	45 - 124
2,6-Dinitrotoluene	6670	4560		ug/Kg		68	50 - 122
Di-n-octyl phthalate	6670	5100		ug/Kg		76	33 - 129
1,4-Dioxane	6670	4060		ug/Kg		61	41 - 102
Fluoranthene	6670	4450		ug/Kg		67	40 - 120
Fluorene	6670	4370		ug/Kg		66	46 - 109
Hexachlorobenzene	6670	4180		ug/Kg		63	47 - 108
Hexachlorobutadiene	6670	4700		ug/Kg		71	43 - 107
Hexachlorocyclopentadiene	6670	3400		ug/Kg		51	23 - 129
Hexachloroethane	6670	4340		ug/Kg		65	37 - 97
Indeno[1,2,3-cd]pyrene	6670	4690		ug/Kg		70	41 - 125
Isophorone	6670	4310		ug/Kg		65	47 - 110
2-Methylnaphthalene	6670	4340		ug/Kg		65	45 - 100
2-Methylphenol	6670	4400		ug/Kg		66	40 - 104
Methylphenol, 3 & 4	6670	4310		ug/Kg		65	42 - 105
Naphthalene	6670	4240		ug/Kg		64	43 - 100
2-Nitroaniline	6670	4520		ug/Kg		68	45 - 117
3-Nitroaniline	6670	4490		ug/Kg		67	34 - 122
4-Nitroaniline	6670	4450		ug/Kg		67	38 - 123
Nitrobenzene	6670	4200		ug/Kg		63	43 - 104
2-Nitrophenol	6670	4520		ug/Kg		68	46 - 106
4-Nitrophenol	13300	10000		ug/Kg		75	36 - 127
N-Nitrosodi-n-propylamine	6670	3890		ug/Kg		58	42 - 107
N-Nitrosodiphenylamine	6670	4370		ug/Kg		66	44 - 111
2,2'-oxybis[1-chloropropane]	6670	3180		ug/Kg		48	36 - 101
Pentachlorophenol	13300	7640		ug/Kg		57	17 - 122

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-115180/2-A
Matrix: Solid
Analysis Batch: 115193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115180

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenanthrene			6670	4360		ug/Kg		65	43 - 108
Phenol			6670	4260		ug/Kg		64	41 - 102
Pyrene			6670	4900		ug/Kg		73	41 - 115
1,2,4,5-Tetrachlorobenzene			6670	4100		ug/Kg		62	30 - 125
2,3,4,6-Tetrachlorophenol			6670	4640		ug/Kg		70	38 - 113
2,4,5-Trichlorophenol			6670	4470		ug/Kg		67	48 - 108
2,4,6-Trichlorophenol			6670	4400		ug/Kg		66	50 - 106

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*60*		*35 - 105*
2-Fluorophenol (Surr)	*68*		*39 - 103*
Nitrobenzene-d5 (Surr)	*62*		*25 - 104*
Phenol-d5 (Surr)	*65*		*25 - 105*
Terphenyl-d14 (Surr)	*72*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 124*

Lab Sample ID: 180-35729-3 MS
Matrix: Solid
Analysis Batch: 115193

Client Sample ID: SSHS-B95-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115180

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		7100	4650		ug/Kg	☼	65	47 - 104
Acenaphthylene	ND		7100	4650		ug/Kg	☼	66	49 - 114
Acetophenone	ND		7100	4890		ug/Kg	☼	69	30 - 150
Anthracene	ND		7100	4730		ug/Kg	☼	67	45 - 112
Atrazine	ND		7100	4520		ug/Kg	☼	64	30 - 150
Benzaldehyde	ND		7100	1590	F1	ug/Kg	☼	22	30 - 150
Benzo[a]anthracene	ND		7100	4870		ug/Kg	☼	69	47 - 110
Benzo[a]pyrene	ND		7100	4960		ug/Kg	☼	70	47 - 112
Benzo[b]fluoranthene	ND		7100	4710		ug/Kg	☼	66	41 - 107
Benzo[g,h,i]perylene	ND		7100	5350		ug/Kg	☼	75	38 - 126
Benzo[k]fluoranthene	ND		7100	4510		ug/Kg	☼	64	44 - 115
1,1'-Biphenyl	ND		7100	4290		ug/Kg	☼	60	30 - 150
Bis(2-chloroethoxy)methane	ND		7100	4560		ug/Kg	☼	64	44 - 101
Bis(2-chloroethyl)ether	ND		7100	4430		ug/Kg	☼	62	38 - 99
Bis(2-ethylhexyl) phthalate	ND		7100	5560		ug/Kg	☼	78	40 - 122
4-Bromophenyl phenyl ether	ND		7100	4510		ug/Kg	☼	64	47 - 110
Butyl benzyl phthalate	ND		7100	5670		ug/Kg	☼	80	41 - 118
Caprolactam	ND		7100	5140		ug/Kg	☼	72	30 - 150
Carbazole	ND		7100	4950		ug/Kg	☼	70	45 - 114
4-Chloroaniline	ND		7100	4480		ug/Kg	☼	63	25 - 108
4-Chloro-3-methylphenol	ND		7100	5520		ug/Kg	☼	78	47 - 109
2-Chloronaphthalene	ND		7100	4000		ug/Kg	☼	56	46 - 101
2-Chlorophenol	ND		7100	4560		ug/Kg	☼	64	40 - 101
4-Chlorophenyl phenyl ether	ND		7100	4800		ug/Kg	☼	68	47 - 109
Chrysene	ND		7100	5010		ug/Kg	☼	71	46 - 111
Dibenz(a,h)anthracene	ND		7100	5250		ug/Kg	☼	74	39 - 127
Dibenzofuran	ND		7100	4590		ug/Kg	☼	65	46 - 104

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35729-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35729-3 MS
Matrix: Solid
Analysis Batch: 115193

Client Sample ID: SSHS-B95-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115180

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
3,3'-Dichlorobenzidine	ND		7100	3380		ug/Kg	☼	48	19 - 122
2,4-Dichlorophenol	ND		7100	4740		ug/Kg	☼	67	47 - 105
Diethyl phthalate	ND		7100	5140		ug/Kg	☼	73	47 - 115
2,4-Dimethylphenol	ND		7100	3600		ug/Kg	☼	51	44 - 105
Dimethyl phthalate	ND		7100	5010		ug/Kg	☼	71	49 - 111
Di-n-butyl phthalate	ND		7100	5240		ug/Kg	☼	74	43 - 121
4,6-Dinitro-2-methylphenol	ND		14200	9190		ug/Kg	☼	65	24 - 134
2,4-Dinitrophenol	ND		14200	7190		ug/Kg	☼	51	10 - 146
2,4-Dinitrotoluene	ND		7100	5810		ug/Kg	☼	82	45 - 124
2,6-Dinitrotoluene	ND		7100	5150		ug/Kg	☼	73	50 - 122
Di-n-octyl phthalate	ND		7100	5390		ug/Kg	☼	76	33 - 129
1,4-Dioxane	ND		7100	3690		ug/Kg	☼	52	41 - 102
Fluoranthene	ND		7100	5190		ug/Kg	☼	73	40 - 120
Fluorene	ND		7100	4950		ug/Kg	☼	70	46 - 109
Hexachlorobenzene	ND		7100	4410		ug/Kg	☼	62	47 - 108
Hexachlorobutadiene	ND		7100	4650		ug/Kg	☼	65	43 - 107
Hexachlorocyclopentadiene	ND		7100	3040		ug/Kg	☼	43	23 - 129
Hexachloroethane	ND		7100	4370		ug/Kg	☼	62	37 - 97
Indeno[1,2,3-cd]pyrene	ND		7100	5060		ug/Kg	☼	71	41 - 125
Isophorone	ND		7100	4800		ug/Kg	☼	68	47 - 110
2-Methylnaphthalene	ND		7100	4750		ug/Kg	☼	67	45 - 100
2-Methylphenol	ND		7100	4690		ug/Kg	☼	66	40 - 104
Methylphenol, 3 & 4	ND		7100	4630		ug/Kg	☼	65	42 - 105
Naphthalene	ND		7100	4420		ug/Kg	☼	62	43 - 100
2-Nitroaniline	ND		7100	5190		ug/Kg	☼	73	45 - 117
3-Nitroaniline	ND		7100	5170		ug/Kg	☼	73	34 - 122
4-Nitroaniline	ND		7100	5260		ug/Kg	☼	74	38 - 123
Nitrobenzene	ND		7100	4410		ug/Kg	☼	62	43 - 104
2-Nitrophenol	ND		7100	4750		ug/Kg	☼	67	46 - 106
4-Nitrophenol	ND		14200	11400		ug/Kg	☼	80	36 - 127
N-Nitrosodi-n-propylamine	ND		7100	4590		ug/Kg	☼	65	42 - 107
N-Nitrosodiphenylamine	ND		7100	4290		ug/Kg	☼	60	44 - 111
2,2'-oxybis[1-chloropropane]	ND		7100	3490		ug/Kg	☼	49	36 - 101
Pentachlorophenol	ND		14200	6970		ug/Kg	☼	49	17 - 122
Phenanthrene	ND		7100	4680		ug/Kg	☼	66	43 - 108
Phenol	ND		7100	4620		ug/Kg	☼	65	41 - 102
Pyrene	ND		7100	4860		ug/Kg	☼	68	41 - 115
1,2,4,5-Tetrachlorobenzene	ND		7100	4240		ug/Kg	☼	60	30 - 125
2,3,4,6-Tetrachlorophenol	ND		7100	4940		ug/Kg	☼	70	38 - 113
2,4,5-Trichlorophenol	ND		7100	4750		ug/Kg	☼	67	48 - 108
2,4,6-Trichlorophenol	ND		7100	4420		ug/Kg	☼	62	50 - 106

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*60*		*35 - 105*
2-Fluorophenol (Surr)	*61*		*39 - 103*
Nitrobenzene-d5 (Surr)	*64*		*25 - 104*
Phenol-d5 (Surr)	*68*		*25 - 105*
Terphenyl-d14 (Surr)	*69*		*25 - 127*

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35729-3 MS
Matrix: Solid
Analysis Batch: 115193

Client Sample ID: SSHS-B95-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115180

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*66*		*35 - 124*

Lab Sample ID: 180-35729-3 MSD
Matrix: Solid
Analysis Batch: 115193

Client Sample ID: SSHS-B95-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115180

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		7050	4920		ug/Kg	☼	70	47 - 104	6	40
Acenaphthylene	ND		7050	4900		ug/Kg	☼	69	49 - 114	5	38
Acetophenone	ND		7050	4760		ug/Kg	☼	68	30 - 150	3	40
Anthracene	ND		7050	4870		ug/Kg	☼	69	45 - 112	3	42
Atrazine	ND		7050	4650		ug/Kg	☼	66	30 - 150	3	40
Benzaldehyde	ND		7050	1630	F1	ug/Kg	☼	23	30 - 150	2	40
Benzo[a]anthracene	ND		7050	5040		ug/Kg	☼	71	47 - 110	3	40
Benzo[a]pyrene	ND		7050	5070		ug/Kg	☼	72	47 - 112	2	42
Benzo[b]fluoranthene	ND		7050	4860		ug/Kg	☼	69	41 - 107	3	53
Benzo[g,h,i]perylene	ND		7050	5520		ug/Kg	☼	78	38 - 126	3	43
Benzo[k]fluoranthene	ND		7050	4680		ug/Kg	☼	66	44 - 115	4	44
1,1'-Biphenyl	ND		7050	4680		ug/Kg	☼	66	30 - 150	9	40
Bis(2-chloroethoxy)methane	ND		7050	4610		ug/Kg	☼	65	44 - 101	1	36
Bis(2-chloroethyl)ether	ND		7050	4480		ug/Kg	☼	64	38 - 99	1	43
Bis(2-ethylhexyl) phthalate	ND		7050	5730		ug/Kg	☼	81	40 - 122	3	41
4-Bromophenyl phenyl ether	ND		7050	4590		ug/Kg	☼	65	47 - 110	2	46
Butyl benzyl phthalate	ND		7050	5730		ug/Kg	☼	81	41 - 118	1	41
Caprolactam	ND		7050	5130		ug/Kg	☼	73	30 - 150	0	40
Carbazole	ND		7050	5180		ug/Kg	☼	74	45 - 114	5	36
4-Chloroaniline	ND		7050	4620		ug/Kg	☼	66	25 - 108	3	36
4-Chloro-3-methylphenol	ND		7050	5480		ug/Kg	☼	78	47 - 109	1	36
2-Chloronaphthalene	ND		7050	4340		ug/Kg	☼	62	46 - 101	8	40
2-Chlorophenol	ND		7050	4630		ug/Kg	☼	66	40 - 101	2	42
4-Chlorophenyl phenyl ether	ND		7050	5110		ug/Kg	☼	72	47 - 109	6	39
Chrysene	ND		7050	5230		ug/Kg	☼	74	46 - 111	4	39
Dibenz(a,h)anthracene	ND		7050	5520		ug/Kg	☼	78	39 - 127	5	45
Dibenzofuran	ND		7050	4990		ug/Kg	☼	71	46 - 104	8	38
3,3'-Dichlorobenzidine	ND		7050	3460		ug/Kg	☼	49	19 - 122	2	40
2,4-Dichlorophenol	ND		7050	4970		ug/Kg	☼	71	47 - 105	5	35
Diethyl phthalate	ND		7050	5470		ug/Kg	☼	78	47 - 115	6	38
2,4-Dimethylphenol	ND		7050	3730		ug/Kg	☼	53	44 - 105	4	49
Dimethyl phthalate	ND		7050	5400		ug/Kg	☼	77	49 - 111	7	37
Di-n-butyl phthalate	ND		7050	5390		ug/Kg	☼	76	43 - 121	3	38
4,6-Dinitro-2-methylphenol	ND		14100	9520		ug/Kg	☼	68	24 - 134	4	87
2,4-Dinitrophenol	ND		14100	7710		ug/Kg	☼	55	10 - 146	7	83
2,4-Dinitrotoluene	ND		7050	6190		ug/Kg	☼	88	45 - 124	6	41
2,6-Dinitrotoluene	ND		7050	5480		ug/Kg	☼	78	50 - 122	6	40
Di-n-octyl phthalate	ND		7050	5530		ug/Kg	☼	79	33 - 129	3	41
1,4-Dioxane	ND		7050	3860		ug/Kg	☼	55	41 - 102	4	35
Fluoranthene	ND		7050	5420		ug/Kg	☼	77	40 - 120	4	36
Fluorene	ND		7050	5330		ug/Kg	☼	76	46 - 109	7	40

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35729-3 MSD **Client Sample ID: SSHS-B95-6-10 (8)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115193 **Prep Batch: 115180**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobenzene	ND		7050	4610		ug/Kg	☼	65	47 - 108	4	43
Hexachlorobutadiene	ND		7050	4860		ug/Kg	☼	69	43 - 107	4	39
Hexachlorocyclopentadiene	ND		7050	3290		ug/Kg	☼	47	23 - 129	8	49
Hexachloroethane	ND		7050	4420		ug/Kg	☼	63	37 - 97	1	48
Indeno[1,2,3-cd]pyrene	ND		7050	5280		ug/Kg	☼	75	41 - 125	4	47
Isophorone	ND		7050	4860		ug/Kg	☼	69	47 - 110	1	37
2-Methylnaphthalene	ND		7050	4840		ug/Kg	☼	69	45 - 100	2	40
2-Methylphenol	ND		7050	4550		ug/Kg	☼	65	40 - 104	3	41
Methylphenol, 3 & 4	ND		7050	4470		ug/Kg	☼	63	42 - 105	3	43
Naphthalene	ND		7050	4590		ug/Kg	☼	65	43 - 100	4	32
2-Nitroaniline	ND		7050	5480		ug/Kg	☼	78	45 - 117	5	42
3-Nitroaniline	ND		7050	5460		ug/Kg	☼	78	34 - 122	6	39
4-Nitroaniline	ND		7050	5680		ug/Kg	☼	81	38 - 123	8	40
Nitrobenzene	ND		7050	4560		ug/Kg	☼	65	43 - 104	3	33
2-Nitrophenol	ND		7050	4840		ug/Kg	☼	69	46 - 106	2	39
4-Nitrophenol	ND		14100	12200		ug/Kg	☼	87	36 - 127	7	43
N-Nitrosodi-n-propylamine	ND		7050	4550		ug/Kg	☼	65	42 - 107	1	43
N-Nitrosodiphenylamine	ND		7050	4420		ug/Kg	☼	63	44 - 111	3	40
2,2'-oxybis[1-chloropropane]	ND		7050	3500		ug/Kg	☼	50	36 - 101	0	41
Pentachlorophenol	ND		14100	7140		ug/Kg	☼	51	17 - 122	2	52
Phenanthrene	ND		7050	4900		ug/Kg	☼	70	43 - 108	5	39
Phenol	ND		7050	4570		ug/Kg	☼	65	41 - 102	1	39
Pyrene	ND		7050	4910		ug/Kg	☼	70	41 - 115	1	43
1,2,4,5-Tetrachlorobenzene	ND		7050	4520		ug/Kg	☼	64	30 - 125	6	25
2,3,4,6-Tetrachlorophenol	ND		7050	5280		ug/Kg	☼	75	38 - 113	7	83
2,4,5-Trichlorophenol	ND		7050	5020		ug/Kg	☼	71	48 - 108	6	44
2,4,6-Trichlorophenol	ND		7050	4810		ug/Kg	☼	68	50 - 106	9	42

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*35 - 105*
2-Fluorophenol (Surr)	*64*		*39 - 103*
Nitrobenzene-d5 (Surr)	*66*		*25 - 104*
Phenol-d5 (Surr)	*68*		*25 - 105*
Terphenyl-d14 (Surr)	*69*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*67*		*35 - 124*

Lab Sample ID: MB 180-115500/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115579 **Prep Batch: 115500**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	6.4	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Acenaphthylene	ND		67	7.6	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Acetophenone	ND		330	27	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Anthracene	ND		67	6.5	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Atrazine	ND		330	32	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Benzaldehyde	ND		330	50	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Benzo[a]anthracene	ND		67	8.4	ug/Kg		08/20/14 15:58	08/21/14 11:34	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-115500/1-A
Matrix: Solid
Analysis Batch: 115579

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115500

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		67	6.7	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Benzo[b]fluoranthene	ND		67	10	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Benzo[g,h,i]perylene	ND		67	6.6	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Benzo[k]fluoranthene	ND		67	13	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
1,1'-Biphenyl	ND		330	30	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Bis(2-chloroethoxy)methane	ND		330	22	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Bis(2-chloroethyl)ether	ND		67	9.0	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Bis(2-ethylhexyl) phthalate	ND		670	54	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
4-Bromophenyl phenyl ether	ND		330	29	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Butyl benzyl phthalate	ND		330	46	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Caprolactam	ND		1700	250	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Carbazole	ND		67	6.1	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
4-Chloroaniline	ND		330	27	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
4-Chloro-3-methylphenol	ND		330	31	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
2-Chloronaphthalene	ND		67	7.0	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
2-Chlorophenol	ND		330	27	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
4-Chlorophenyl phenyl ether	ND		330	37	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Chrysene	ND		67	7.9	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Dibenz(a,h)anthracene	ND		67	7.4	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Dibenzofuran	ND		330	33	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
3,3'-Dichlorobenzidine	ND		330	35	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
2,4-Dichlorophenol	ND		67	6.7	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Diethyl phthalate	ND		330	36	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
2,4-Dimethylphenol	ND		330	52	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Dimethyl phthalate	ND		330	36	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Di-n-butyl phthalate	ND		330	42	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
4,6-Dinitro-2-methylphenol	ND		1700	130	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
2,4-Dinitrophenol	ND		1700	400	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
2,4-Dinitrotoluene	ND		330	27	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
2,6-Dinitrotoluene	ND		330	34	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Di-n-octyl phthalate	ND		330	35	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
1,4-Dioxane	ND		670	38	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Fluoranthene	ND		67	7.1	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Fluorene	ND		67	8.8	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Hexachlorobenzene	ND		67	7.1	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Hexachlorobutadiene	ND		67	7.5	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Hexachlorocyclopentadiene	ND		330	36	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Hexachloroethane	ND		330	24	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Indeno[1,2,3-cd]pyrene	ND		67	6.9	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Isophorone	ND		330	25	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
2-Methylnaphthalene	ND		67	6.0	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
2-Methylphenol	ND		330	23	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Methylphenol, 3 & 4	ND		330	33	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Naphthalene	ND		67	5.7	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
2-Nitroaniline	ND		1700	150	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
3-Nitroaniline	ND		1700	140	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
4-Nitroaniline	ND		1700	140	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Nitrobenzene	ND		670	28	ug/Kg		08/20/14 15:58	08/21/14 11:34	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-115500/1-A
Matrix: Solid
Analysis Batch: 115579

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115500

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		330	37	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
4-Nitrophenol	ND		1700	120	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
N-Nitrosodi-n-propylamine	ND		67	7.8	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
N-Nitrosodiphenylamine	ND		330	31	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
2,2'-oxybis[1-chloropropane]	ND		67	7.2	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Pentachlorophenol	ND		330	30	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Phenanthrene	ND		67	11	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Phenol	ND		67	7.9	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
Pyrene	ND		67	6.7	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
1,2,4,5-Tetrachlorobenzene	ND		330	25	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
2,3,4,6-Tetrachlorophenol	ND		330	21	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
2,4,5-Trichlorophenol	ND		330	36	ug/Kg		08/20/14 15:58	08/21/14 11:34	1
2,4,6-Trichlorophenol	ND		330	50	ug/Kg		08/20/14 15:58	08/21/14 11:34	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/20/14 15:58*	*08/21/14 11:34*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*35 - 105*	*08/20/14 15:58*	*08/21/14 11:34*	*1*
2-Fluorophenol (Surr)	*78*		*39 - 103*	*08/20/14 15:58*	*08/21/14 11:34*	*1*
Nitrobenzene-d5 (Surr)	*75*		*25 - 104*	*08/20/14 15:58*	*08/21/14 11:34*	*1*
Phenol-d5 (Surr)	*73*		*25 - 105*	*08/20/14 15:58*	*08/21/14 11:34*	*1*
Terphenyl-d14 (Surr)	*73*		*25 - 127*	*08/20/14 15:58*	*08/21/14 11:34*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 124*	*08/20/14 15:58*	*08/21/14 11:34*	*1*

Lab Sample ID: LCS 180-115500/2-A
Matrix: Solid
Analysis Batch: 115579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115500

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	6670	4560		ug/Kg		68	47 - 104
Acenaphthylene	6670	4620		ug/Kg		69	49 - 114
Acetophenone	6670	4220		ug/Kg		63	30 - 150
Anthracene	6670	4740		ug/Kg		71	45 - 112
Atrazine	6670	4070		ug/Kg		61	30 - 150
Benzaldehyde	6670	5170		ug/Kg		77	30 - 150
Benzo[a]anthracene	6670	4560		ug/Kg		68	47 - 110
Benzo[a]pyrene	6670	4720		ug/Kg		71	47 - 112
Benzo[b]fluoranthene	6670	4470		ug/Kg		67	41 - 107
Benzo[g,h,i]perylene	6670	4610		ug/Kg		69	38 - 126
Benzo[k]fluoranthene	6670	4520		ug/Kg		68	44 - 115
1,1'-Biphenyl	6670	4460		ug/Kg		67	30 - 150
Bis(2-chloroethoxy)methane	6670	4190		ug/Kg		63	44 - 101
Bis(2-chloroethyl)ether	6670	4130		ug/Kg		62	38 - 99
Bis(2-ethylhexyl) phthalate	6670	5600		ug/Kg		84	40 - 122
4-Bromophenyl phenyl ether	6670	4170		ug/Kg		62	47 - 110
Butyl benzyl phthalate	6670	5290		ug/Kg		79	41 - 118

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-115500/2-A
Matrix: Solid
Analysis Batch: 115579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115500

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Caprolactam	6670	4890		ug/Kg		73	30 - 150
Carbazole	6670	4740		ug/Kg		71	45 - 114
4-Chloroaniline	6670	4140		ug/Kg		62	25 - 108
4-Chloro-3-methylphenol	6670	4830		ug/Kg		72	47 - 109
2-Chloronaphthalene	6670	4130		ug/Kg		62	46 - 101
2-Chlorophenol	6670	4290		ug/Kg		64	40 - 101
4-Chlorophenyl phenyl ether	6670	4330		ug/Kg		65	47 - 109
Chrysene	6670	4580		ug/Kg		69	46 - 111
Dibenz(a,h)anthracene	6670	4810		ug/Kg		72	39 - 127
Dibenzofuran	6670	4340		ug/Kg		65	46 - 104
3,3'-Dichlorobenzidine	6670	4770		ug/Kg		72	19 - 122
2,4-Dichlorophenol	6670	4380		ug/Kg		66	47 - 105
Diethyl phthalate	6670	4820		ug/Kg		72	47 - 115
2,4-Dimethylphenol	6670	4510		ug/Kg		68	44 - 105
Dimethyl phthalate	6670	4760		ug/Kg		71	49 - 111
Di-n-butyl phthalate	6670	5110		ug/Kg		77	43 - 121
4,6-Dinitro-2-methylphenol	13300	9080		ug/Kg		68	24 - 134
2,4-Dinitrophenol	13300	8450		ug/Kg		63	10 - 146
2,4-Dinitrotoluene	6670	4900		ug/Kg		73	45 - 124
2,6-Dinitrotoluene	6670	4860		ug/Kg		73	50 - 122
Di-n-octyl phthalate	6670	5880		ug/Kg		88	33 - 129
1,4-Dioxane	6670	4420		ug/Kg		66	41 - 102
Fluoranthene	6670	4400		ug/Kg		66	40 - 120
Fluorene	6670	4700		ug/Kg		70	46 - 109
Hexachlorobenzene	6670	4140		ug/Kg		62	47 - 108
Hexachlorobutadiene	6670	4240		ug/Kg		64	43 - 107
Hexachlorocyclopentadiene	6670	4470		ug/Kg		67	23 - 129
Hexachloroethane	6670	4220		ug/Kg		63	37 - 97
Indeno[1,2,3-cd]pyrene	6670	4570		ug/Kg		69	41 - 125
Isophorone	6670	4480		ug/Kg		67	47 - 110
2-Methylnaphthalene	6670	4260		ug/Kg		64	45 - 100
2-Methylphenol	6670	4540		ug/Kg		68	40 - 104
Methylphenol, 3 & 4	6670	4500		ug/Kg		67	42 - 105
Naphthalene	6670	4280		ug/Kg		64	43 - 100
2-Nitroaniline	6670	5380		ug/Kg		81	45 - 117
3-Nitroaniline	6670	4890		ug/Kg		73	34 - 122
4-Nitroaniline	6670	5230		ug/Kg		78	38 - 123
Nitrobenzene	6670	4600		ug/Kg		69	43 - 104
2-Nitrophenol	6670	4500		ug/Kg		67	46 - 106
4-Nitrophenol	13300	12700		ug/Kg		95	36 - 127
N-Nitrosodi-n-propylamine	6670	4450		ug/Kg		67	42 - 107
N-Nitrosodiphenylamine	6670	4380		ug/Kg		66	44 - 111
2,2'-oxybis[1-chloropropane]	6670	4110		ug/Kg		62	36 - 101
Pentachlorophenol	13300	8500		ug/Kg		64	17 - 122
Phenanthrene	6670	4540		ug/Kg		68	43 - 108
Phenol	6670	4370		ug/Kg		66	41 - 102
Pyrene	6670	4570		ug/Kg		69	41 - 115
1,2,4,5-Tetrachlorobenzene	6670	4350		ug/Kg		65	30 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-115500/2-A
Matrix: Solid
Analysis Batch: 115579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115500

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,4,6-Tetrachlorophenol	6670	4530		ug/Kg		68	38 - 113
2,4,5-Trichlorophenol	6670	4800		ug/Kg		72	48 - 108
2,4,6-Trichlorophenol	6670	4910		ug/Kg		74	50 - 106

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*65*		*35 - 105*
2-Fluorophenol (Surr)	*68*		*39 - 103*
Nitrobenzene-d5 (Surr)	*67*		*25 - 104*
Phenol-d5 (Surr)	*62*		*25 - 105*
Terphenyl-d14 (Surr)	*65*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*65*		*35 - 124*

Lab Sample ID: 180-35729-21 MS
Matrix: Solid
Analysis Batch: 115579

Client Sample ID: SSHS-B95-SS
Prep Type: Total/NA
Prep Batch: 115500

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		9050	7270		ug/Kg	☼	80	47 - 104
Acenaphthylene	ND		9050	7400		ug/Kg	☼	82	49 - 114
Acetophenone	ND		9050	6930		ug/Kg	☼	77	30 - 150
Anthracene	9.8	J	9050	7210		ug/Kg	☼	80	45 - 112
Atrazine	ND		9050	6400		ug/Kg	☼	71	30 - 150
Benzaldehyde	ND		9050	2740		ug/Kg	☼	30	30 - 150
Benzo[a]anthracene	110		9050	7130		ug/Kg	☼	78	47 - 110
Benzo[a]pyrene	120		9050	7110		ug/Kg	☼	77	47 - 112
Benzo[b]fluoranthene	170		9050	7050		ug/Kg	☼	76	41 - 107
Benzo[g,h,i]perylene	98		9050	7590		ug/Kg	☼	83	38 - 126
Benzo[k]fluoranthene	73	J	9050	7080		ug/Kg	☼	77	44 - 115
1,1'-Biphenyl	ND		9050	7150		ug/Kg	☼	79	30 - 150
Bis(2-chloroethoxy)methane	ND		9050	7180		ug/Kg	☼	79	44 - 101
Bis(2-chloroethyl)ether	ND		9050	6880		ug/Kg	☼	76	38 - 99
Bis(2-ethylhexyl) phthalate	81	J	9050	8460		ug/Kg	☼	93	40 - 122
4-Bromophenyl phenyl ether	ND		9050	6710		ug/Kg	☼	74	47 - 110
Butyl benzyl phthalate	ND		9050	8580		ug/Kg	☼	95	41 - 118
Caprolactam	ND		9050	6490		ug/Kg	☼	72	30 - 150
Carbazole	9.6	J	9050	7220		ug/Kg	☼	80	45 - 114
4-Chloroaniline	ND		9050	5220		ug/Kg	☼	58	25 - 108
4-Chloro-3-methylphenol	ND		9050	7530		ug/Kg	☼	83	47 - 109
2-Chloronaphthalene	ND		9050	6500		ug/Kg	☼	72	46 - 101
2-Chlorophenol	ND		9050	7110		ug/Kg	☼	79	40 - 101
4-Chlorophenyl phenyl ether	ND		9050	6850		ug/Kg	☼	76	47 - 109
Chrysene	130		9050	7170		ug/Kg	☼	78	46 - 111
Dibenz(a,h)anthracene	ND		9050	7630		ug/Kg	☼	84	39 - 127
Dibenzofuran	ND		9050	6860		ug/Kg	☼	76	46 - 104
3,3'-Dichlorobenzidine	ND		9050	5150		ug/Kg	☼	57	19 - 122
2,4-Dichlorophenol	ND		9050	7270		ug/Kg	☼	80	47 - 105
Diethyl phthalate	ND		9050	7470		ug/Kg	☼	83	47 - 115
2,4-Dimethylphenol	ND		9050	6560		ug/Kg	☼	72	44 - 105

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35729-21 MS
Matrix: Solid
Analysis Batch: 115579

Client Sample ID: SSHS-B95-SS
Prep Type: Total/NA
Prep Batch: 115500

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dimethyl phthalate	ND		9050	7180		ug/Kg	☼	79	49 - 111
Di-n-butyl phthalate	ND		9050	8060		ug/Kg	☼	89	43 - 121
4,6-Dinitro-2-methylphenol	ND		18100	14400		ug/Kg	☼	80	24 - 134
2,4-Dinitrophenol	ND		18100	12100		ug/Kg	☼	67	10 - 146
2,4-Dinitrotoluene	ND		9050	7660		ug/Kg	☼	85	45 - 124
2,6-Dinitrotoluene	ND		9050	7150		ug/Kg	☼	79	50 - 122
Di-n-octyl phthalate	ND		9050	8430		ug/Kg	☼	93	33 - 129
1,4-Dioxane	ND		9050	7070		ug/Kg	☼	78	41 - 102
Fluoranthene	220		9050	7330		ug/Kg	☼	79	40 - 120
Fluorene	ND		9050	7310		ug/Kg	☼	81	46 - 109
Hexachlorobenzene	ND		9050	6590		ug/Kg	☼	73	47 - 108
Hexachlorobutadiene	ND		9050	7170		ug/Kg	☼	79	43 - 107
Hexachlorocyclopentadiene	ND		9050	6180		ug/Kg	☼	68	23 - 129
Hexachloroethane	ND		9050	7220		ug/Kg	☼	80	37 - 97
Indeno[1,2,3-cd]pyrene	81	J	9050	7430		ug/Kg	☼	81	41 - 125
Isophorone	ND		9050	7670		ug/Kg	☼	85	47 - 110
2-Methylnaphthalene	ND		9050	6990		ug/Kg	☼	77	45 - 100
2-Methylphenol	ND		9050	7130		ug/Kg	☼	79	40 - 104
Methylphenol, 3 & 4	ND		9050	6980		ug/Kg	☼	77	42 - 105
Naphthalene	ND		9050	7210		ug/Kg	☼	80	43 - 100
2-Nitroaniline	ND		9050	8080		ug/Kg	☼	89	45 - 117
3-Nitroaniline	ND		9050	6450		ug/Kg	☼	71	34 - 122
4-Nitroaniline	ND		9050	7280		ug/Kg	☼	80	38 - 123
Nitrobenzene	ND		9050	7940		ug/Kg	☼	88	43 - 104
2-Nitrophenol	ND		9050	7770		ug/Kg	☼	86	46 - 106
4-Nitrophenol	ND		18100	16900		ug/Kg	☼	94	36 - 127
N-Nitrosodi-n-propylamine	ND		9050	7180		ug/Kg	☼	79	42 - 107
N-Nitrosodiphenylamine	ND		9050	6720		ug/Kg	☼	74	44 - 111
2,2'-oxybis[1-chloropropane]	ND		9050	6790		ug/Kg	☼	75	36 - 101
Pentachlorophenol	ND		18100	11400		ug/Kg	☼	63	17 - 122
Phenanthrene	63	J	9050	6920		ug/Kg	☼	76	43 - 108
Phenol	ND		9050	6920		ug/Kg	☼	77	41 - 102
Pyrene	170		9050	7140		ug/Kg	☼	77	41 - 115
1,2,4,5-Tetrachlorobenzene	ND		9050	6950		ug/Kg	☼	77	30 - 125
2,3,4,6-Tetrachlorophenol	ND		9050	6670		ug/Kg	☼	74	38 - 113
2,4,5-Trichlorophenol	ND		9050	6980		ug/Kg	☼	77	48 - 108
2,4,6-Trichlorophenol	ND		9050	7220		ug/Kg	☼	80	50 - 106

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*35 - 105*
2-Fluorophenol (Surr)	*80*		*39 - 103*
Nitrobenzene-d5 (Surr)	*85*		*25 - 104*
Phenol-d5 (Surr)	*76*		*25 - 105*
Terphenyl-d14 (Surr)	*73*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 124*

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35729-21 MSD
Matrix: Solid
Analysis Batch: 115579

Client Sample ID: SSHS-B95-SS
Prep Type: Total/NA
Prep Batch: 115500

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		9050	7130		ug/Kg	☼	79	47 - 104	2	40
Acenaphthylene	ND		9050	7000		ug/Kg	☼	77	49 - 114	6	38
Acetophenone	ND		9050	6930		ug/Kg	☼	77	30 - 150	0	40
Anthracene	9.8	J	9050	7210		ug/Kg	☼	80	45 - 112	0	42
Atrazine	ND		9050	6710		ug/Kg	☼	74	30 - 150	5	40
Benzaldehyde	ND		9050	2690		ug/Kg	☼	30	30 - 150	2	40
Benzo[a]anthracene	110		9050	7200		ug/Kg	☼	78	47 - 110	1	40
Benzo[a]pyrene	120		9050	6820		ug/Kg	☼	74	47 - 112	4	42
Benzo[b]fluoranthene	170		9050	6660		ug/Kg	☼	72	41 - 107	6	53
Benzo[g,h,i]perylene	98		9050	7180		ug/Kg	☼	78	38 - 126	6	43
Benzo[k]fluoranthene	73	J	9050	6670		ug/Kg	☼	73	44 - 115	6	44
1,1'-Biphenyl	ND		9050	6870		ug/Kg	☼	76	30 - 150	4	40
Bis(2-chloroethoxy)methane	ND		9050	6940		ug/Kg	☼	77	44 - 101	3	36
Bis(2-chloroethyl)ether	ND		9050	6860		ug/Kg	☼	76	38 - 99	0	43
Bis(2-ethylhexyl) phthalate	81	J	9050	8660		ug/Kg	☼	95	40 - 122	2	41
4-Bromophenyl phenyl ether	ND		9050	7030		ug/Kg	☼	78	47 - 110	5	46
Butyl benzyl phthalate	ND		9050	8500		ug/Kg	☼	94	41 - 118	1	41
Caprolactam	ND		9050	6510		ug/Kg	☼	72	30 - 150	0	40
Carbazole	9.6	J	9050	7340		ug/Kg	☼	81	45 - 114	2	36
4-Chloroaniline	ND		9050	5120		ug/Kg	☼	57	25 - 108	2	36
4-Chloro-3-methylphenol	ND		9050	7420		ug/Kg	☼	82	47 - 109	2	36
2-Chloronaphthalene	ND		9050	6300		ug/Kg	☼	70	46 - 101	3	40
2-Chlorophenol	ND		9050	7120		ug/Kg	☼	79	40 - 101	0	42
4-Chlorophenyl phenyl ether	ND		9050	6860		ug/Kg	☼	76	47 - 109	0	39
Chrysene	130		9050	7000		ug/Kg	☼	76	46 - 111	2	39
Dibenz(a,h)anthracene	ND		9050	7210		ug/Kg	☼	80	39 - 127	6	45
Dibenzofuran	ND		9050	6630		ug/Kg	☼	73	46 - 104	3	38
3,3'-Dichlorobenzidine	ND		9050	5410		ug/Kg	☼	60	19 - 122	5	40
2,4-Dichlorophenol	ND		9050	7160		ug/Kg	☼	79	47 - 105	2	35
Diethyl phthalate	ND		9050	7530		ug/Kg	☼	83	47 - 115	1	38
2,4-Dimethylphenol	ND		9050	5910		ug/Kg	☼	65	44 - 105	10	49
Dimethyl phthalate	ND		9050	7110		ug/Kg	☼	79	49 - 111	1	37
Di-n-butyl phthalate	ND		9050	7850		ug/Kg	☼	87	43 - 121	3	38
4,6-Dinitro-2-methylphenol	ND		18100	14600		ug/Kg	☼	81	24 - 134	1	87
2,4-Dinitrophenol	ND		18100	12100		ug/Kg	☼	67	10 - 146	0	83
2,4-Dinitrotoluene	ND		9050	7400		ug/Kg	☼	82	45 - 124	3	41
2,6-Dinitrotoluene	ND		9050	7350		ug/Kg	☼	81	50 - 122	3	40
Di-n-octyl phthalate	ND		9050	8090		ug/Kg	☼	89	33 - 129	4	41
1,4-Dioxane	ND		9050	7310		ug/Kg	☼	81	41 - 102	3	35
Fluoranthene	220		9050	7380		ug/Kg	☼	79	40 - 120	1	36
Fluorene	ND		9050	7370		ug/Kg	☼	81	46 - 109	1	40
Hexachlorobenzene	ND		9050	7010		ug/Kg	☼	77	47 - 108	6	43
Hexachlorobutadiene	ND		9050	7060		ug/Kg	☼	78	43 - 107	2	39
Hexachlorocyclopentadiene	ND		9050	6200		ug/Kg	☼	69	23 - 129	0	49
Hexachloroethane	ND		9050	7130		ug/Kg	☼	79	37 - 97	1	48
Indeno[1,2,3-cd]pyrene	81	J	9050	6980		ug/Kg	☼	76	41 - 125	6	47
Isophorone	ND		9050	7180		ug/Kg	☼	79	47 - 110	7	37
2-Methylnaphthalene	ND		9050	6440		ug/Kg	☼	71	45 - 100	8	40

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35729-21 MSD
Matrix: Solid
Analysis Batch: 115579

Client Sample ID: SSHS-B95-SS
Prep Type: Total/NA
Prep Batch: 115500

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylphenol	ND		9050	6920		ug/Kg	☼	76	40 - 104	3	41
Methylphenol, 3 & 4	ND		9050	7010		ug/Kg	☼	77	42 - 105	0	43
Naphthalene	ND		9050	7060		ug/Kg	☼	78	43 - 100	2	32
2-Nitroaniline	ND		9050	8000		ug/Kg	☼	88	45 - 117	1	42
3-Nitroaniline	ND		9050	6470		ug/Kg	☼	71	34 - 122	0	39
4-Nitroaniline	ND		9050	7160		ug/Kg	☼	79	38 - 123	2	40
Nitrobenzene	ND		9050	7220		ug/Kg	☼	80	43 - 104	9	33
2-Nitrophenol	ND		9050	7320		ug/Kg	☼	81	46 - 106	6	39
4-Nitrophenol	ND		18100	16200		ug/Kg	☼	90	36 - 127	4	43
N-Nitrosodi-n-propylamine	ND		9050	7130		ug/Kg	☼	79	42 - 107	1	43
N-Nitrosodiphenylamine	ND		9050	6800		ug/Kg	☼	75	44 - 111	1	40
2,2'-oxybis[1-chloropropane]	ND		9050	6780		ug/Kg	☼	75	36 - 101	0	41
Pentachlorophenol	ND		18100	11900		ug/Kg	☼	66	17 - 122	4	52
Phenanthrene	63	J	9050	7170		ug/Kg	☼	79	43 - 108	4	39
Phenol	ND		9050	6990		ug/Kg	☼	77	41 - 102	1	39
Pyrene	170		9050	7240		ug/Kg	☼	78	41 - 115	1	43
1,2,4,5-Tetrachlorobenzene	ND		9050	6790		ug/Kg	☼	75	30 - 125	2	25
2,3,4,6-Tetrachlorophenol	ND		9050	6660		ug/Kg	☼	74	38 - 113	0	83
2,4,5-Trichlorophenol	ND		9050	7050		ug/Kg	☼	78	48 - 108	1	44
2,4,6-Trichlorophenol	ND		9050	7170		ug/Kg	☼	79	50 - 106	1	42

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*35 - 105*
2-Fluorophenol (Surr)	*81*		*39 - 103*
Nitrobenzene-d5 (Surr)	*77*		*25 - 104*
Phenol-d5 (Surr)	*75*		*25 - 105*
Terphenyl-d14 (Surr)	*75*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*73*		*35 - 124*

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

Lab Sample ID: MB 180-114701/1-A
Matrix: Water
Analysis Batch: 115191

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114701

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.029	ug/L		08/14/14 09:41	08/19/14 11:53	1
Acenaphthylene	ND		0.20	0.022	ug/L		08/14/14 09:41	08/19/14 11:53	1
Acetophenone	ND		2.0	0.11	ug/L		08/14/14 09:41	08/19/14 11:53	1
Anthracene	ND		0.20	0.019	ug/L		08/14/14 09:41	08/19/14 11:53	1
Atrazine	ND		2.0	0.22	ug/L		08/14/14 09:41	08/19/14 11:53	1
Benzaldehyde	ND		2.0	0.11	ug/L		08/14/14 09:41	08/19/14 11:53	1
Benzo[a]anthracene	ND		0.20	0.037	ug/L		08/14/14 09:41	08/19/14 11:53	1
Benzo[a]pyrene	ND		0.20	0.028	ug/L		08/14/14 09:41	08/19/14 11:53	1
Benzo[b]fluoranthene	ND		0.20	0.049	ug/L		08/14/14 09:41	08/19/14 11:53	1
Benzo[g,h,i]perylene	ND		0.20	0.029	ug/L		08/14/14 09:41	08/19/14 11:53	1
Benzo[k]fluoranthene	ND		0.20	0.030	ug/L		08/14/14 09:41	08/19/14 11:53	1
1,1'-Biphenyl	ND		1.0	0.11	ug/L		08/14/14 09:41	08/19/14 11:53	1

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

Lab Sample ID: MB 180-114701/1-A
Matrix: Water
Analysis Batch: 115191

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114701

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		1.0	0.13	ug/L		08/14/14 09:41	08/19/14 11:53	1
Bis(2-chloroethyl)ether	ND		1.0	0.032	ug/L		08/14/14 09:41	08/19/14 11:53	1
Bis(2-ethylhexyl) phthalate	ND		2.0	0.44	ug/L		08/14/14 09:41	08/19/14 11:53	1
4-Bromophenyl phenyl ether	ND		1.0	0.12	ug/L		08/14/14 09:41	08/19/14 11:53	1
Butyl benzyl phthalate	ND		1.0	0.21	ug/L		08/14/14 09:41	08/19/14 11:53	1
Caprolactam	ND		5.0	1.5	ug/L		08/14/14 09:41	08/19/14 11:53	1
Carbazole	ND		1.0	0.027	ug/L		08/14/14 09:41	08/19/14 11:53	1
4-Chloroaniline	ND		1.0	0.29	ug/L		08/14/14 09:41	08/19/14 11:53	1
4-Chloro-3-methylphenol	ND		1.0	0.17	ug/L		08/14/14 09:41	08/19/14 11:53	1
2-Chloronaphthalene	ND		0.20	0.031	ug/L		08/14/14 09:41	08/19/14 11:53	1
2-Chlorophenol	ND		1.0	0.23	ug/L		08/14/14 09:41	08/19/14 11:53	1
4-Chlorophenyl phenyl ether	ND		1.0	0.080	ug/L		08/14/14 09:41	08/19/14 11:53	1
Chrysene	ND		0.20	0.031	ug/L		08/14/14 09:41	08/19/14 11:53	1
Dibenz(a,h)anthracene	ND		0.20	0.027	ug/L		08/14/14 09:41	08/19/14 11:53	1
Dibenzofuran	ND		1.0	0.097	ug/L		08/14/14 09:41	08/19/14 11:53	1
3,3'-Dichlorobenzidine	ND		1.0	0.15	ug/L		08/14/14 09:41	08/19/14 11:53	1
2,4-Dichlorophenol	ND		1.0	0.067	ug/L		08/14/14 09:41	08/19/14 11:53	1
Diethyl phthalate	ND		1.0	0.30	ug/L		08/14/14 09:41	08/19/14 11:53	1
2,4-Dimethylphenol	ND		1.0	0.17	ug/L		08/14/14 09:41	08/19/14 11:53	1
Dimethyl phthalate	ND		1.0	0.18	ug/L		08/14/14 09:41	08/19/14 11:53	1
Di-n-butyl phthalate	ND		1.0	0.24	ug/L		08/14/14 09:41	08/19/14 11:53	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.6	ug/L		08/14/14 09:41	08/19/14 11:53	1
2,4-Dinitrophenol	ND		5.0	2.5	ug/L		08/14/14 09:41	08/19/14 11:53	1
2,4-Dinitrotoluene	ND		1.0	0.21	ug/L		08/14/14 09:41	08/19/14 11:53	1
2,6-Dinitrotoluene	ND		1.0	0.14	ug/L		08/14/14 09:41	08/19/14 11:53	1
Di-n-octyl phthalate	ND		1.0	0.20	ug/L		08/14/14 09:41	08/19/14 11:53	1
1,4-Dioxane	ND		2.0	0.052	ug/L		08/14/14 09:41	08/19/14 11:53	1
Fluoranthene	ND		0.20	0.021	ug/L		08/14/14 09:41	08/19/14 11:53	1
Fluorene	ND		0.20	0.024	ug/L		08/14/14 09:41	08/19/14 11:53	1
Hexachlorobenzene	ND		1.0	0.061	ug/L		08/14/14 09:41	08/19/14 11:53	1
Hexachlorobutadiene	ND		1.0	0.094	ug/L		08/14/14 09:41	08/19/14 11:53	1
Hexachlorocyclopentadiene	ND		1.0	0.14	ug/L		08/14/14 09:41	08/19/14 11:53	1
Hexachloroethane	ND		1.0	0.14	ug/L		08/14/14 09:41	08/19/14 11:53	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		08/14/14 09:41	08/19/14 11:53	1
Isophorone	ND		1.0	0.074	ug/L		08/14/14 09:41	08/19/14 11:53	1
2-Methylnaphthalene	ND		0.20	0.019	ug/L		08/14/14 09:41	08/19/14 11:53	1
2-Methylphenol	ND		1.0	0.19	ug/L		08/14/14 09:41	08/19/14 11:53	1
Methylphenol, 3 & 4	ND		1.0	0.21	ug/L		08/14/14 09:41	08/19/14 11:53	1
Naphthalene	ND		0.20	0.023	ug/L		08/14/14 09:41	08/19/14 11:53	1
2-Nitroaniline	ND		5.0	0.67	ug/L		08/14/14 09:41	08/19/14 11:53	1
3-Nitroaniline	ND		5.0	0.81	ug/L		08/14/14 09:41	08/19/14 11:53	1
4-Nitroaniline	ND		5.0	0.77	ug/L		08/14/14 09:41	08/19/14 11:53	1
Nitrobenzene	ND		2.0	0.15	ug/L		08/14/14 09:41	08/19/14 11:53	1
2-Nitrophenol	ND		1.0	0.11	ug/L		08/14/14 09:41	08/19/14 11:53	1
4-Nitrophenol	ND		5.0	0.80	ug/L		08/14/14 09:41	08/19/14 11:53	1
N-Nitrosodi-n-propylamine	ND		1.0	0.050	ug/L		08/14/14 09:41	08/19/14 11:53	1
N-Nitrosodiphenylamine	ND		1.0	0.12	ug/L		08/14/14 09:41	08/19/14 11:53	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.024	ug/L		08/14/14 09:41	08/19/14 11:53	1

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

Lab Sample ID: MB 180-114701/1-A
Matrix: Water
Analysis Batch: 115191

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114701

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.50	ug/L		08/14/14 09:41	08/19/14 11:53	1
Phenanthrene	ND		0.20	0.042	ug/L		08/14/14 09:41	08/19/14 11:53	1
Phenol	ND		1.0	0.055	ug/L		08/14/14 09:41	08/19/14 11:53	1
Pyrene	ND		0.20	0.023	ug/L		08/14/14 09:41	08/19/14 11:53	1
1,2,4,5-Tetrachlorobenzene	ND		1.0	0.076	ug/L		08/14/14 09:41	08/19/14 11:53	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.11	ug/L		08/14/14 09:41	08/19/14 11:53	1
2,4,5-Trichlorophenol	ND		1.0	0.12	ug/L		08/14/14 09:41	08/19/14 11:53	1
2,4,6-Trichlorophenol	ND		1.0	0.30	ug/L		08/14/14 09:41	08/19/14 11:53	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*08/14/14 09:41*	*08/19/14 11:53*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*30 - 150*	*08/14/14 09:41*	*08/19/14 11:53*	*1*
2-Fluorophenol (Surr)	*79*		*30 - 150*	*08/14/14 09:41*	*08/19/14 11:53*	*1*
Nitrobenzene-d5 (Surr)	*74*		*30 - 150*	*08/14/14 09:41*	*08/19/14 11:53*	*1*
Phenol-d5 (Surr)	*72*		*30 - 150*	*08/14/14 09:41*	*08/19/14 11:53*	*1*
Terphenyl-d14 (Surr)	*75*		*10 - 150*	*08/14/14 09:41*	*08/19/14 11:53*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*30 - 150*	*08/14/14 09:41*	*08/19/14 11:53*	*1*

Lab Sample ID: LCS 180-114701/2-A
Matrix: Water
Analysis Batch: 115191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114701

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	20.0	13.2		ug/L		66	30 - 150
Acenaphthylene	20.0	13.6		ug/L		68	30 - 150
Acetophenone	20.0	12.4		ug/L		62	30 - 150
Anthracene	20.0	14.2		ug/L		71	30 - 150
Atrazine	20.0	13.0		ug/L		65	30 - 150
Benzaldehyde	20.0	14.9		ug/L		74	30 - 150
Benzo[a]anthracene	20.0	13.7		ug/L		69	30 - 150
Benzo[a]pyrene	20.0	13.5		ug/L		68	30 - 150
Benzo[b]fluoranthene	20.0	13.0		ug/L		65	30 - 150
Benzo[g,h,i]perylene	20.0	14.3		ug/L		72	30 - 150
Benzo[k]fluoranthene	20.0	13.5		ug/L		67	30 - 150
1,1'-Biphenyl	20.0	12.9		ug/L		64	30 - 150
Bis(2-chloroethoxy)methane	20.0	12.5		ug/L		63	30 - 150
Bis(2-chloroethyl)ether	20.0	12.3		ug/L		61	30 - 150
Bis(2-ethylhexyl) phthalate	20.0	15.8		ug/L		79	30 - 150
4-Bromophenyl phenyl ether	20.0	14.2		ug/L		71	30 - 150
Butyl benzyl phthalate	20.0	16.0		ug/L		80	30 - 150
Caprolactam	20.0	14.1		ug/L		70	30 - 150
Carbazole	20.0	13.8		ug/L		69	30 - 150
4-Chloroaniline	20.0	12.1		ug/L		61	10 - 150
4-Chloro-3-methylphenol	20.0	13.3		ug/L		67	30 - 150
2-Chloronaphthalene	20.0	12.0		ug/L		60	30 - 150

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

Lab Sample ID: LCS 180-114701/2-A
Matrix: Water
Analysis Batch: 115191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114701

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorophenol	20.0	12.6		ug/L		63	30 - 150
4-Chlorophenyl phenyl ether	20.0	12.9		ug/L		64	30 - 150
Chrysene	20.0	13.5		ug/L		68	30 - 150
Dibenz(a,h)anthracene	20.0	14.7		ug/L		73	30 - 150
Dibenzofuran	20.0	12.6		ug/L		63	30 - 150
3,3'-Dichlorobenzidine	20.0	13.9		ug/L		69	10 - 150
2,4-Dichlorophenol	20.0	12.4		ug/L		62	30 - 150
Diethyl phthalate	20.0	13.8		ug/L		69	30 - 150
2,4-Dimethylphenol	20.0	13.0		ug/L		65	30 - 150
Dimethyl phthalate	20.0	13.9		ug/L		69	30 - 150
Di-n-butyl phthalate	20.0	14.6		ug/L		73	30 - 150
4,6-Dinitro-2-methylphenol	40.0	28.6		ug/L		72	30 - 150
2,4-Dinitrophenol	40.0	22.5		ug/L		56	10 - 150
2,4-Dinitrotoluene	20.0	14.1		ug/L		70	30 - 150
2,6-Dinitrotoluene	20.0	14.1		ug/L		71	30 - 150
Di-n-octyl phthalate	20.0	16.0		ug/L		80	10 - 150
1,4-Dioxane	20.0	12.3		ug/L		62	30 - 150
Fluoranthene	20.0	14.1		ug/L		70	30 - 150
Fluorene	20.0	13.9		ug/L		70	30 - 150
Hexachlorobenzene	20.0	13.7		ug/L		69	30 - 150
Hexachlorobutadiene	20.0	12.7		ug/L		64	30 - 150
Hexachlorocyclopentadiene	20.0	12.7		ug/L		64	30 - 150
Hexachloroethane	20.0	12.6		ug/L		63	30 - 150
Indeno[1,2,3-cd]pyrene	20.0	14.1		ug/L		71	30 - 150
Isophorone	20.0	13.3		ug/L		66	30 - 150
2-Methylnaphthalene	20.0	12.1		ug/L		60	30 - 150
2-Methylphenol	20.0	13.4		ug/L		67	30 - 150
Methylphenol, 3 & 4	20.0	12.9		ug/L		65	30 - 150
Naphthalene	20.0	12.9		ug/L		65	30 - 150
2-Nitroaniline	20.0	15.6		ug/L		78	30 - 150
3-Nitroaniline	20.0	13.4		ug/L		67	10 - 150
4-Nitroaniline	20.0	14.3		ug/L		71	30 - 150
Nitrobenzene	20.0	13.2		ug/L		66	30 - 150
2-Nitrophenol	20.0	13.2		ug/L		66	30 - 150
4-Nitrophenol	40.0	31.1		ug/L		78	30 - 150
N-Nitrosodi-n-propylamine	20.0	13.1		ug/L		66	30 - 150
N-Nitrosodiphenylamine	20.0	14.2		ug/L		71	30 - 150
2,2'-oxybis[1-chloropropane]	20.0	12.4		ug/L		62	30 - 150
Pentachlorophenol	40.0	22.6		ug/L		57	10 - 150
Phenanthrene	20.0	13.5		ug/L		67	30 - 150
Phenol	20.0	12.9		ug/L		64	30 - 150
Pyrene	20.0	13.6		ug/L		68	30 - 150
1,2,4,5-Tetrachlorobenzene	20.0	12.9		ug/L		64	30 - 150
2,3,4,6-Tetrachlorophenol	20.0	12.1		ug/L		61	30 - 150
2,4,5-Trichlorophenol	20.0	13.7		ug/L		69	30 - 150
2,4,6-Trichlorophenol	20.0	13.9		ug/L		70	30 - 150

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

Lab Sample ID: LCS 180-114701/2-A
Matrix: Water
Analysis Batch: 115191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114701

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*65*		*30 - 150*
2-Fluorophenol (Surr)	*64*		*30 - 150*
Nitrobenzene-d5 (Surr)	*65*		*30 - 150*
Phenol-d5 (Surr)	*61*		*30 - 150*
Terphenyl-d14 (Surr)	*66*		*10 - 150*
2,4,6-Tribromophenol (Surr)	*68*		*30 - 150*

Lab Sample ID: LCSD 180-114701/3-A
Matrix: Water
Analysis Batch: 115191

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114701

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	20.0	13.9		ug/L		69	30 - 150	5	35
Acenaphthylene	20.0	14.1		ug/L		71	30 - 150	4	35
Acetophenone	20.0	13.0		ug/L		65	30 - 150	5	35
Anthracene	20.0	14.7		ug/L		73	30 - 150	3	35
Atrazine	20.0	13.0		ug/L		65	30 - 150	1	35
Benzaldehyde	20.0	16.3		ug/L		82	30 - 150	9	35
Benzo[a]anthracene	20.0	13.7		ug/L		68	30 - 150	0	35
Benzo[a]pyrene	20.0	13.8		ug/L		69	30 - 150	2	35
Benzo[b]fluoranthene	20.0	12.3		ug/L		61	30 - 150	6	35
Benzo[g,h,i]perylene	20.0	13.8		ug/L		69	30 - 150	4	35
Benzo[k]fluoranthene	20.0	13.1		ug/L		65	30 - 150	3	35
1,1'-Biphenyl	20.0	13.7		ug/L		69	30 - 150	7	35
Bis(2-chloroethoxy)methane	20.0	13.0		ug/L		65	30 - 150	4	35
Bis(2-chloroethyl)ether	20.0	12.7		ug/L		63	30 - 150	3	35
Bis(2-ethylhexyl) phthalate	20.0	16.0		ug/L		80	30 - 150	1	35
4-Bromophenyl phenyl ether	20.0	14.0		ug/L		70	30 - 150	2	35
Butyl benzyl phthalate	20.0	15.7		ug/L		78	30 - 150	2	35
Caprolactam	20.0	14.4		ug/L		72	30 - 150	2	35
Carbazole	20.0	15.0		ug/L		75	30 - 150	8	35
4-Chloroaniline	20.0	12.5		ug/L		62	10 - 150	3	35
4-Chloro-3-methylphenol	20.0	13.6		ug/L		68	30 - 150	2	35
2-Chloronaphthalene	20.0	12.5		ug/L		62	30 - 150	4	35
2-Chlorophenol	20.0	13.3		ug/L		66	30 - 150	5	35
4-Chlorophenyl phenyl ether	20.0	13.7		ug/L		68	30 - 150	6	35
Chrysene	20.0	13.5		ug/L		67	30 - 150	1	35
Dibenz(a,h)anthracene	20.0	14.2		ug/L		71	30 - 150	3	35
Dibenzofuran	20.0	13.3		ug/L		67	30 - 150	6	35
3,3'-Dichlorobenzidine	20.0	13.7		ug/L		69	10 - 150	1	35
2,4-Dichlorophenol	20.0	13.1		ug/L		65	30 - 150	5	35
Diethyl phthalate	20.0	14.7		ug/L		74	30 - 150	6	35
2,4-Dimethylphenol	20.0	13.0		ug/L		65	30 - 150	0	35
Dimethyl phthalate	20.0	14.6		ug/L		73	30 - 150	5	35
Di-n-butyl phthalate	20.0	16.2		ug/L		81	30 - 150	11	35
4,6-Dinitro-2-methylphenol	40.0	29.4		ug/L		74	30 - 150	3	35
2,4-Dinitrophenol	40.0	24.4		ug/L		61	10 - 150	8	35
2,4-Dinitrotoluene	20.0	14.9		ug/L		74	30 - 150	5	35

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

Lab Sample ID: LCSD 180-114701/3-A
Matrix: Water
Analysis Batch: 115191

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114701

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,6-Dinitrotoluene	20.0	14.7		ug/L		74	30 - 150	4	35
Di-n-octyl phthalate	20.0	16.3		ug/L		81	10 - 150	2	35
1,4-Dioxane	20.0	13.3		ug/L		66	30 - 150	7	35
Fluoranthene	20.0	14.3		ug/L		71	30 - 150	1	35
Fluorene	20.0	14.9		ug/L		74	30 - 150	7	35
Hexachlorobenzene	20.0	13.7		ug/L		69	30 - 150	0	35
Hexachlorobutadiene	20.0	12.8		ug/L		64	30 - 150	1	35
Hexachlorocyclopentadiene	20.0	13.0		ug/L		65	30 - 150	2	35
Hexachloroethane	20.0	13.0		ug/L		65	30 - 150	3	35
Indeno[1,2,3-cd]pyrene	20.0	13.9		ug/L		70	30 - 150	2	35
Isophorone	20.0	13.3		ug/L		66	30 - 150	0	35
2-Methylnaphthalene	20.0	12.1		ug/L		61	30 - 150	0	35
2-Methylphenol	20.0	13.8		ug/L		69	30 - 150	3	35
Methylphenol, 3 & 4	20.0	13.5		ug/L		67	30 - 150	4	35
Naphthalene	20.0	13.0		ug/L		65	30 - 150	1	35
2-Nitroaniline	20.0	16.2		ug/L		81	30 - 150	3	35
3-Nitroaniline	20.0	14.5		ug/L		73	10 - 150	8	35
4-Nitroaniline	20.0	15.6		ug/L		78	30 - 150	9	35
Nitrobenzene	20.0	13.3		ug/L		66	30 - 150	0	35
2-Nitrophenol	20.0	13.4		ug/L		67	30 - 150	1	35
4-Nitrophenol	40.0	33.5		ug/L		84	30 - 150	8	35
N-Nitrosodi-n-propylamine	20.0	13.7		ug/L		68	30 - 150	4	35
N-Nitrosodiphenylamine	20.0	14.7		ug/L		73	30 - 150	3	35
2,2'-oxybis[1-chloropropane]	20.0	12.7		ug/L		63	30 - 150	2	35
Pentachlorophenol	40.0	22.5		ug/L		56	10 - 150	1	35
Phenanthrene	20.0	14.3		ug/L		71	30 - 150	6	35
Phenol	20.0	13.8		ug/L		69	30 - 150	7	35
Pyrene	20.0	13.9		ug/L		69	30 - 150	2	35
1,2,4,5-Tetrachlorobenzene	20.0	13.2		ug/L		66	30 - 150	3	35
2,3,4,6-Tetrachlorophenol	20.0	12.8		ug/L		64	30 - 150	6	35
2,4,5-Trichlorophenol	20.0	14.2		ug/L		71	30 - 150	3	35
2,4,6-Trichlorophenol	20.0	14.3		ug/L		71	30 - 150	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*30 - 150*
2-Fluorophenol (Surr)	*71*		*30 - 150*
Nitrobenzene-d5 (Surr)	*65*		*30 - 150*
Phenol-d5 (Surr)	*66*		*30 - 150*
Terphenyl-d14 (Surr)	*68*		*10 - 150*
2,4,6-Tribromophenol (Surr)	*68*		*30 - 150*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 240-143382/5
Matrix: Water
Analysis Batch: 143382

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100	25	ug/L			08/19/14 10:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*87*		*40 - 133*		*08/19/14 10:45*	*1*

Lab Sample ID: LCS 240-143382/6
Matrix: Water
Analysis Batch: 143382

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics [C6 - C10]	800	808		ug/L		101	67 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*111*		*40 - 133*

Lab Sample ID: 180-35729-37 MS
Matrix: Water
Analysis Batch: 143382

Client Sample ID: 20140812-SOURCE BLANK
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics [C6 - C10]	ND		800	810		ug/L		101	63 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*111*		*40 - 133*

Lab Sample ID: 180-35729-37 MSD
Matrix: Water
Analysis Batch: 143382

Client Sample ID: 20140812-SOURCE BLANK
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		800	815		ug/L		102	63 - 120	1	11

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Trifluorotoluene (Surr)	*108*		*40 - 133*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 240-143102/5-A
Matrix: Water
Analysis Batch: 143320

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 143102

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		500	110	ug/L		08/16/14 10:13	08/18/14 22:56	1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 240-143102/5-A
Matrix: Water
Analysis Batch: 143320

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 143102

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*79*		*40 - 160*	*08/16/14 10:13*	*08/18/14 22:56*	*1*

Lab Sample ID: LCS 240-143102/6-A
Matrix: Water
Analysis Batch: 143320

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 143102

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10 - C28]	5000	4190		ug/L		84	40 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	*90*		*40 - 160*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-115362/1-A
Matrix: Solid
Analysis Batch: 115424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.30	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
alpha-BHC	ND		1.7	0.27	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
alpha-Chlordane	ND		1.7	0.33	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
beta-BHC	ND		1.7	0.43	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
4,4'-DDD	ND		1.7	0.22	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
delta-BHC	ND		1.7	0.26	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
Dieldrin	ND		1.7	0.28	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
Endosulfan I	ND		1.7	0.31	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
Endosulfan II	ND		1.7	0.29	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
Endosulfan sulfate	ND		1.7	0.17	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
Endrin	ND		1.7	0.32	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
Endrin aldehyde	ND		1.7	0.32	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
Endrin ketone	ND		1.7	0.26	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
gamma-BHC (Lindane)	ND		1.7	0.29	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
gamma-Chlordane	ND		1.7	0.33	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
Heptachlor	ND		1.7	0.37	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
Heptachlor epoxide	ND		1.7	0.32	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
Methoxychlor	ND		3.3	0.35	ug/Kg		08/20/14 06:05	08/20/14 22:26	1
Toxaphene	ND		67	11	ug/Kg		08/20/14 06:05	08/20/14 22:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/20/14 06:05*	*08/20/14 22:26*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*08/20/14 06:05*	*08/20/14 22:26*	*1*
Tetrachloro-m-xylene	*95*		*45 - 130*	*08/20/14 06:05*	*08/20/14 22:26*	*1*
Tetrachloro-m-xylene	*93*		*45 - 130*	*08/20/14 06:05*	*08/20/14 22:26*	*1*

QC Sample Results

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-115362/2-A
Matrix: Solid
Analysis Batch: 115424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115362

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	33.3	28.0		ug/Kg		84	70 - 123
alpha-BHC	33.3	27.6		ug/Kg		83	59 - 127
alpha-Chlordane	33.3	28.1		ug/Kg		84	71 - 130
beta-BHC	33.3	27.8		ug/Kg		84	70 - 138
4,4'-DDD	33.3	28.3		ug/Kg		85	65 - 135
4,4'-DDE	33.3	28.0		ug/Kg		84	70 - 133
4,4'-DDT	33.3	25.1		ug/Kg		75	10 - 140
delta-BHC	33.3	27.0		ug/Kg		81	40 - 124
Dieldrin	33.3	27.7		ug/Kg		83	70 - 123
Endosulfan I	33.3	28.8		ug/Kg		86	62 - 126
Endosulfan II	33.3	28.4		ug/Kg		85	65 - 128
Endosulfan sulfate	33.3	27.9		ug/Kg		84	55 - 140
Endrin	33.3	28.3		ug/Kg		85	70 - 127
Endrin aldehyde	33.3	28.3		ug/Kg		85	65 - 122
Endrin ketone	33.3	26.8		ug/Kg		80	59 - 132
gamma-BHC (Lindane)	33.3	27.8		ug/Kg		83	66 - 124
gamma-Chlordane	33.3	28.0		ug/Kg		84	68 - 123
Heptachlor	33.3	27.8		ug/Kg		83	70 - 128
Heptachlor epoxide	33.3	28.2		ug/Kg		84	69 - 131
Methoxychlor	33.3	24.8		ug/Kg		74	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*
Tetrachloro-m-xylene	*97*		*45 - 130*
Tetrachloro-m-xylene	*93*		*45 - 130*

Lab Sample ID: 180-35729-3 MS
Matrix: Solid
Analysis Batch: 115424

Client Sample ID: SSHS-B95-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115362

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		35.2	32.8		ug/Kg	☼	93	70 - 123
alpha-BHC	ND		35.2	33.2		ug/Kg	☼	94	59 - 127
alpha-Chlordane	ND		35.2	31.7		ug/Kg	☼	90	71 - 130
beta-BHC	ND		35.2	30.9		ug/Kg	☼	88	70 - 138
4,4'-DDD	ND		35.2	33.8		ug/Kg	☼	96	65 - 135
4,4'-DDE	ND		35.2	33.0		ug/Kg	☼	94	70 - 133
4,4'-DDT	ND		35.2	31.7		ug/Kg	☼	90	10 - 140
delta-BHC	ND		35.2	31.6		ug/Kg	☼	90	40 - 124
Dieldrin	ND		35.2	31.4		ug/Kg	☼	89	70 - 123
Endosulfan I	ND		35.2	32.1		ug/Kg	☼	91	62 - 126
Endosulfan II	ND		35.2	31.1		ug/Kg	☼	88	65 - 128
Endosulfan sulfate	ND		35.2	31.3		ug/Kg	☼	89	55 - 140
Endrin	0.48	J	35.2	34.1		ug/Kg	☼	95	70 - 127
Endrin aldehyde	ND		35.2	29.2		ug/Kg	☼	83	65 - 122
Endrin ketone	ND		35.2	30.6		ug/Kg	☼	87	59 - 132
gamma-BHC (Lindane)	ND		35.2	33.0		ug/Kg	☼	94	66 - 124

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35729-3 MS
Matrix: Solid
Analysis Batch: 115424

Client Sample ID: SSHS-B95-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115362

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-Chlordane	ND		35.2	32.9		ug/Kg	☼	93	68 - 123
Heptachlor	ND		35.2	32.5		ug/Kg	☼	92	70 - 128
Heptachlor epoxide	ND		35.2	33.2		ug/Kg	☼	94	69 - 131
Methoxychlor	ND		35.2	31.5		ug/Kg	☼	89	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*
Tetrachloro-m-xylene	*94*		*45 - 130*
Tetrachloro-m-xylene	*92*		*45 - 130*

Lab Sample ID: 180-35729-3 MSD
Matrix: Solid
Analysis Batch: 115424

Client Sample ID: SSHS-B95-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115362

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		35.2	32.0		ug/Kg	☼	91	70 - 123	2	20
alpha-BHC	ND		35.2	32.4		ug/Kg	☼	92	59 - 127	2	20
alpha-Chlordane	ND		35.2	31.4		ug/Kg	☼	89	71 - 130	1	20
beta-BHC	ND		35.2	31.6		ug/Kg	☼	90	70 - 138	2	20
4,4'-DDD	ND		35.2	33.5		ug/Kg	☼	95	65 - 135	1	20
4,4'-DDE	ND		35.2	33.4		ug/Kg	☼	95	70 - 133	1	20
4,4'-DDT	ND		35.2	31.7		ug/Kg	☼	90	10 - 140	0	37
delta-BHC	ND		35.2	31.2		ug/Kg	☼	88	40 - 124	1	20
Dieldrin	ND		35.2	32.7		ug/Kg	☼	93	70 - 123	4	20
Endosulfan I	ND		35.2	33.1		ug/Kg	☼	94	62 - 126	3	23
Endosulfan II	ND		35.2	30.8		ug/Kg	☼	88	65 - 128	1	33
Endosulfan sulfate	ND		35.2	30.7		ug/Kg	☼	87	55 - 140	2	26
Endrin	0.48	J	35.2	33.7		ug/Kg	☼	94	70 - 127	1	20
Endrin aldehyde	ND		35.2	28.6		ug/Kg	☼	81	65 - 122	2	20
Endrin ketone	ND		35.2	31.3		ug/Kg	☼	89	59 - 132	2	20
gamma-BHC (Lindane)	ND		35.2	33.1		ug/Kg	☼	94	66 - 124	0	20
gamma-Chlordane	ND		35.2	33.3		ug/Kg	☼	94	68 - 123	1	24
Heptachlor	ND		35.2	33.2		ug/Kg	☼	94	70 - 128	2	20
Heptachlor epoxide	ND		35.2	32.7		ug/Kg	☼	93	69 - 131	1	20
Methoxychlor	ND		35.2	30.8		ug/Kg	☼	87	10 - 150	2	26

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*
Tetrachloro-m-xylene	*96*		*45 - 130*
Tetrachloro-m-xylene	*94*		*45 - 130*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 180-115626/1-A
Matrix: Solid
Analysis Batch: 115680

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115626

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.30	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
alpha-BHC	ND		1.7	0.27	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
alpha-Chlordane	ND		1.7	0.33	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
beta-BHC	ND		1.7	0.43	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
4,4'-DDD	ND		1.7	0.22	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
delta-BHC	ND		1.7	0.26	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
Dieldrin	ND		1.7	0.28	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
Endosulfan I	ND		1.7	0.31	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
Endosulfan II	ND		1.7	0.29	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
Endosulfan sulfate	ND		1.7	0.17	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
Endrin	ND		1.7	0.32	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
Endrin aldehyde	ND		1.7	0.32	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
Endrin ketone	ND		1.7	0.26	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
gamma-BHC (Lindane)	ND		1.7	0.29	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
gamma-Chlordane	ND		1.7	0.33	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
Heptachlor	ND		1.7	0.37	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
Heptachlor epoxide	ND		1.7	0.32	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
Methoxychlor	ND		3.3	0.35	ug/Kg		08/21/14 14:57	08/22/14 15:01	1
Toxaphene	ND		67	11	ug/Kg		08/21/14 14:57	08/22/14 15:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*102*		*45 - 130*	*08/21/14 14:57*	*08/22/14 15:01*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 130*	*08/21/14 14:57*	*08/22/14 15:01*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*08/21/14 14:57*	*08/22/14 15:01*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*08/21/14 14:57*	*08/22/14 15:01*	*1*

Lab Sample ID: LCS 180-115626/2-A
Matrix: Solid
Analysis Batch: 115680

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	33.3	34.4		ug/Kg		103	70 - 123
alpha-BHC	33.3	33.3		ug/Kg		100	59 - 127
alpha-Chlordane	33.3	34.3		ug/Kg		103	71 - 130
beta-BHC	33.3	32.5		ug/Kg		97	70 - 138
4,4'-DDD	33.3	34.3		ug/Kg		103	65 - 135
4,4'-DDE	33.3	35.2		ug/Kg		106	70 - 133
4,4'-DDT	33.3	34.7		ug/Kg		104	10 - 140
delta-BHC	33.3	31.9		ug/Kg		96	40 - 124
Dieldrin	33.3	36.3		ug/Kg		109	70 - 123
Endosulfan I	33.3	35.1		ug/Kg		105	62 - 126
Endosulfan II	33.3	34.7		ug/Kg		104	65 - 128
Endosulfan sulfate	33.3	36.7		ug/Kg		110	55 - 140
Endrin	33.3	37.2		ug/Kg		112	70 - 127
Endrin aldehyde	33.3	37.0		ug/Kg		111	65 - 122
Endrin ketone	33.3	35.7		ug/Kg		107	59 - 132

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-115626/2-A
Matrix: Solid
Analysis Batch: 115680

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115626

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-BHC (Lindane)			33.3	33.6		ug/Kg		101	66 - 124
gamma-Chlordane			33.3	35.2		ug/Kg		106	68 - 123
Heptachlor			33.3	33.3		ug/Kg		100	70 - 128
Heptachlor epoxide			33.3	34.4		ug/Kg		103	69 - 131
Methoxychlor			33.3	34.0		ug/Kg		102	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*103*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*97*		*45 - 130*
Tetrachloro-m-xylene	*103*		*45 - 130*
Tetrachloro-m-xylene	*100*		*45 - 130*

Lab Sample ID: 180-35729-21 MS
Matrix: Solid
Analysis Batch: 115680

Client Sample ID: SSHS-B95-SS
Prep Type: Total/NA
Prep Batch: 115626

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		45.2	39.7		ug/Kg	☼	88	70 - 123
alpha-BHC	ND		45.2	37.4		ug/Kg	☼	83	59 - 127
alpha-Chlordane	ND		45.2	38.5		ug/Kg	☼	85	71 - 130
beta-BHC	ND		45.2	36.7		ug/Kg	☼	81	70 - 138
4,4'-DDD	ND		45.2	39.0		ug/Kg	☼	86	65 - 135
4,4'-DDE	ND		45.2	39.7		ug/Kg	☼	88	70 - 133
4,4'-DDT	ND		45.2	42.5		ug/Kg	☼	94	10 - 140
delta-BHC	ND		45.2	36.6		ug/Kg	☼	81	40 - 124
Dieldrin	ND		45.2	39.9		ug/Kg	☼	88	70 - 123
Endosulfan I	ND		45.2	40.6		ug/Kg	☼	90	62 - 126
Endosulfan II	ND		45.2	37.7		ug/Kg	☼	83	65 - 128
Endosulfan sulfate	ND		45.2	39.1		ug/Kg	☼	86	55 - 140
Endrin	0.62	J	45.2	42.9		ug/Kg	☼	94	70 - 127
Endrin aldehyde	ND		45.2	38.1		ug/Kg	☼	84	65 - 122
Endrin ketone	ND		45.2	37.6		ug/Kg	☼	83	59 - 132
gamma-BHC (Lindane)	ND		45.2	39.0		ug/Kg	☼	86	66 - 124
gamma-Chlordane	ND		45.2	40.3		ug/Kg	☼	89	68 - 123
Heptachlor	ND		45.2	38.6		ug/Kg	☼	85	70 - 128
Heptachlor epoxide	ND		45.2	39.5		ug/Kg	☼	87	69 - 131
Methoxychlor	ND		45.2	41.7		ug/Kg	☼	92	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*
Tetrachloro-m-xylene	*80*		*45 - 130*
Tetrachloro-m-xylene	*75*		*45 - 130*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35729-21 MSD
Client Sample ID: SSHS-B95-SS
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115680
Prep Batch: 115626

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		45.2	41.0		ug/Kg	☼	91	70 - 123	3	20
alpha-BHC	ND		45.2	40.2		ug/Kg	☼	89	59 - 127	7	20
alpha-Chlordane	ND		45.2	39.1		ug/Kg	☼	86	71 - 130	2	20
beta-BHC	ND		45.2	38.3		ug/Kg	☼	85	70 - 138	4	20
4,4'-DDD	ND		45.2	40.7		ug/Kg	☼	90	65 - 135	4	20
4,4'-DDE	ND		45.2	40.3		ug/Kg	☼	89	70 - 133	1	20
4,4'-DDT	ND		45.2	42.3		ug/Kg	☼	94	10 - 140	0	37
delta-BHC	ND		45.2	37.7		ug/Kg	☼	83	40 - 124	3	20
Dieldrin	ND		45.2	40.9		ug/Kg	☼	90	70 - 123	3	20
Endosulfan I	ND		45.2	40.5		ug/Kg	☼	89	62 - 126	0	23
Endosulfan II	ND		45.2	38.9		ug/Kg	☼	86	65 - 128	3	33
Endosulfan sulfate	ND		45.2	40.8		ug/Kg	☼	90	55 - 140	4	26
Endrin	0.62	J	45.2	43.8		ug/Kg	☼	95	70 - 127	2	20
Endrin aldehyde	ND		45.2	38.6		ug/Kg	☼	85	65 - 122	1	20
Endrin ketone	ND		45.2	38.9		ug/Kg	☼	86	59 - 132	3	20
gamma-BHC (Lindane)	ND		45.2	41.1		ug/Kg	☼	91	66 - 124	5	20
gamma-Chlordane	ND		45.2	41.7		ug/Kg	☼	92	68 - 123	4	24
Heptachlor	ND		45.2	39.9		ug/Kg	☼	88	70 - 128	3	20
Heptachlor epoxide	ND		45.2	40.7		ug/Kg	☼	90	69 - 131	3	20
Methoxychlor	ND		45.2	43.2		ug/Kg	☼	95	10 - 150	3	26

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*
Tetrachloro-m-xylene	*89*		*45 - 130*
Tetrachloro-m-xylene	*84*		*45 - 130*

Method: 8081B_LL - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-115137/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115424
Prep Batch: 115137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0013	0.00083	ug/L		08/18/14 14:32	08/20/14 16:27	1
alpha-BHC	ND		0.0013	0.00066	ug/L		08/18/14 14:32	08/20/14 16:27	1
alpha-Chlordane	ND		0.0013	0.00098	ug/L		08/18/14 14:32	08/20/14 16:27	1
beta-BHC	ND		0.0013	0.0010	ug/L		08/18/14 14:32	08/20/14 16:27	1
4,4'-DDD	ND		0.0013	0.00067	ug/L		08/18/14 14:32	08/20/14 16:27	1
4,4'-DDE	ND		0.0013	0.00079	ug/L		08/18/14 14:32	08/20/14 16:27	1
4,4'-DDT	ND		0.0013	0.00074	ug/L		08/18/14 14:32	08/20/14 16:27	1
delta-BHC	ND		0.0013	0.00038	ug/L		08/18/14 14:32	08/20/14 16:27	1
Dieldrin	ND		0.0013	0.00082	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endosulfan I	ND		0.0013	0.00094	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endosulfan II	ND		0.0013	0.00098	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endosulfan sulfate	ND		0.0013	0.00057	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endrin	ND		0.0013	0.00096	ug/L		08/18/14 14:32	08/20/14 16:27	1

Method: 8081B_LL - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 180-115137/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115424
Prep Batch: 115137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	ND		0.0013	0.00090	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endrin ketone	ND		0.0013	0.00092	ug/L		08/18/14 14:32	08/20/14 16:27	1
gamma-BHC (Lindane)	ND		0.0013	0.00080	ug/L		08/18/14 14:32	08/20/14 16:27	1
gamma-Chlordane	ND		0.0013	0.00096	ug/L		08/18/14 14:32	08/20/14 16:27	1
Heptachlor	ND		0.0013	0.00099	ug/L		08/18/14 14:32	08/20/14 16:27	1
Heptachlor epoxide	ND		0.0013	0.00097	ug/L		08/18/14 14:32	08/20/14 16:27	1
Methoxychlor	ND		0.0025	0.00091	ug/L		08/18/14 14:32	08/20/14 16:27	1
Toxaphene	ND		0.10	0.019	ug/L		08/18/14 14:32	08/20/14 16:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 122*	*08/18/14 14:32*	*08/20/14 16:27*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 122*	*08/18/14 14:32*	*08/20/14 16:27*	*1*
Tetrachloro-m-xylene	*98*		*60 - 111*	*08/18/14 14:32*	*08/20/14 16:27*	*1*
Tetrachloro-m-xylene	*95*		*60 - 111*	*08/18/14 14:32*	*08/20/14 16:27*	*1*

Lab Sample ID: LCS 180-115137/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115424
Prep Batch: 115137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0250	0.0232		ug/L		93	62 - 113
alpha-BHC	0.0250	0.0222		ug/L		89	58 - 114
alpha-Chlordane	0.0250	0.0223		ug/L		89	59 - 114
beta-BHC	0.0250	0.0224		ug/L		89	37 - 133
4,4'-DDD	0.0250	0.0230		ug/L		92	48 - 120
4,4'-DDE	0.0250	0.0226		ug/L		91	47 - 120
4,4'-DDT	0.0250	0.0238		ug/L		95	39 - 131
delta-BHC	0.0250	0.0214		ug/L		86	20 - 137
Dieldrin	0.0250	0.0235		ug/L		94	51 - 121
Endosulfan I	0.0250	0.0231		ug/L		92	53 - 117
Endosulfan II	0.0250	0.0239		ug/L		96	44 - 122
Endosulfan sulfate	0.0250	0.0235		ug/L		94	42 - 122
Endrin	0.0250	0.0244		ug/L		98	31 - 138
Endrin aldehyde	0.0250	0.0235		ug/L		94	41 - 116
Endrin ketone	0.0250	0.0235		ug/L		94	45 - 119
gamma-BHC (Lindane)	0.0250	0.0229		ug/L		92	57 - 120
gamma-Chlordane	0.0250	0.0233		ug/L		93	60 - 114
Heptachlor	0.0250	0.0233		ug/L		93	63 - 120
Heptachlor epoxide	0.0250	0.0230		ug/L		92	60 - 120
Methoxychlor	0.0250	0.0234		ug/L		94	35 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*93*		*45 - 122*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 122*
Tetrachloro-m-xylene	*94*		*60 - 111*
Tetrachloro-m-xylene	*92*		*60 - 111*

Method: 8081B_LL - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 180-115137/3-A
Matrix: Water
Analysis Batch: 115424

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115137

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.0250	0.0247		ug/L		99	62 - 113	6	22
alpha-BHC	0.0250	0.0232		ug/L		93	58 - 114	4	20
alpha-Chlordane	0.0250	0.0247		ug/L		99	59 - 114	10	21
beta-BHC	0.0250	0.0236		ug/L		94	37 - 133	5	24
4,4'-DDD	0.0250	0.0249		ug/L		99	48 - 120	8	24
4,4'-DDE	0.0250	0.0238		ug/L		95	47 - 120	5	20
4,4'-DDT	0.0250	0.0240		ug/L		96	39 - 131	1	24
delta-BHC	0.0250	0.0234		ug/L		94	20 - 137	9	26
Dieldrin	0.0250	0.0250		ug/L		100	51 - 121	6	20
Endosulfan I	0.0250	0.0253		ug/L		101	53 - 117	9	22
Endosulfan II	0.0250	0.0261		ug/L		105	44 - 122	9	21
Endosulfan sulfate	0.0250	0.0252		ug/L		101	42 - 122	7	21
Endrin	0.0250	0.0253		ug/L		101	31 - 138	4	24
Endrin aldehyde	0.0250	0.0258		ug/L		103	41 - 116	9	25
Endrin ketone	0.0250	0.0243		ug/L		97	45 - 119	4	20
gamma-BHC (Lindane)	0.0250	0.0244		ug/L		97	57 - 120	6	21
gamma-Chlordane	0.0250	0.0247		ug/L		99	60 - 114	6	21
Heptachlor	0.0250	0.0246		ug/L		99	63 - 120	5	25
Heptachlor epoxide	0.0250	0.0250		ug/L		100	60 - 120	8	20
Methoxychlor	0.0250	0.0235		ug/L		94	35 - 137	0	27

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 122*
DCB Decachlorobiphenyl (Surr)	*95*		*45 - 122*
Tetrachloro-m-xylene	*98*		*60 - 111*
Tetrachloro-m-xylene	*97*		*60 - 111*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 180-115137/1-A
Matrix: Water
Analysis Batch: 115456

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.010	0.0025	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1221	ND		0.010	0.0025	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1232	ND		0.010	0.0029	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1242	ND		0.010	0.0019	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1248	ND		0.010	0.0023	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1254	ND		0.010	0.0023	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1260	ND		0.010	0.0014	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1262	ND		0.010	0.0021	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1268	ND		0.010	0.0027	ug/L		08/18/14 14:32	08/20/14 19:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*60 - 135*	*08/18/14 14:32*	*08/20/14 19:09*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*25 - 150*	*08/18/14 14:32*	*08/20/14 19:09*	*1*

QC Sample Results

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCS 180-115137/4-A
Matrix: Water
Analysis Batch: 115456

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	1.02		ug/L		102	55 - 120
PCB-1260	1.00	1.03		ug/L		103	55 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*105*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*108*		*25 - 150*

Lab Sample ID: LCSD 180-115137/5-A
Matrix: Water
Analysis Batch: 115456

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115137

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	1.00	1.09		ug/L		109	55 - 120	7	25
PCB-1260	1.00	1.10		ug/L		110	55 - 120	7	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*106*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*111*		*25 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-115362/1-C
Matrix: Solid
Analysis Batch: 115597

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg		08/20/14 06:05	08/22/14 07:56	1
PCB-1221	ND		17	3.2	ug/Kg		08/20/14 06:05	08/22/14 07:56	1
PCB-1232	ND		17	2.9	ug/Kg		08/20/14 06:05	08/22/14 07:56	1
PCB-1242	ND		17	2.7	ug/Kg		08/20/14 06:05	08/22/14 07:56	1
PCB-1248	ND		17	1.6	ug/Kg		08/20/14 06:05	08/22/14 07:56	1
PCB-1254	ND		17	2.4	ug/Kg		08/20/14 06:05	08/22/14 07:56	1
PCB-1260	ND		17	2.4	ug/Kg		08/20/14 06:05	08/22/14 07:56	1
PCB-1262	ND		17	3.7	ug/Kg		08/20/14 06:05	08/22/14 07:56	1
PCB-1268	ND		17	2.1	ug/Kg		08/20/14 06:05	08/22/14 07:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*99*		*45 - 125*	*08/20/14 06:05*	*08/22/14 07:56*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*45 - 135*	*08/20/14 06:05*	*08/22/14 07:56*	*1*

Lab Sample ID: MB 180-115362/1-C
Matrix: Solid
Analysis Batch: 115599

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115362

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*	*08/20/14 06:05*	*08/22/14 08:27*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-115362/1-C **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115599 **Prep Batch: 115362**

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*100*		*45 - 135*	*08/20/14 06:05*	*08/22/14 08:27*	*1*

Lab Sample ID: LCS 180-115362/5-C **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115597 **Prep Batch: 115362**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1330	1270		ug/Kg		95	55 - 135
PCB-1260	1330	1310		ug/Kg		98	50 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*99*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*98*		*45 - 135*

Lab Sample ID: LCS 180-115362/5-C **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115599 **Prep Batch: 115362**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*96*		*45 - 135*

Lab Sample ID: 180-35729-3 MS **Client Sample ID: SSHS-B95-6-10 (8)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115597 **Prep Batch: 115362**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		1410	1170		ug/Kg	☼	83	55 - 135
PCB-1260	7.1	J	1410	1130		ug/Kg	☼	79	50 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*

Lab Sample ID: 180-35729-3 MS **Client Sample ID: SSHS-B95-6-10 (8)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115599 **Prep Batch: 115362**

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*

QC Sample Results

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-35729-3 MSD
Matrix: Solid
Analysis Batch: 115597

Client Sample ID: SSHS-B95-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115362

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1420	1190		ug/Kg	☼	84	55 - 135	2	20
PCB-1260	7.1	J	1420	1180		ug/Kg	☼	83	50 - 140	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*

Lab Sample ID: 180-35729-3 MSD
Matrix: Solid
Analysis Batch: 115599

Client Sample ID: SSHS-B95-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115362

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*84*		*45 - 135*

Lab Sample ID: MB 180-115626/1-C
Matrix: Solid
Analysis Batch: 115796

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115626

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg		08/21/14 14:57	08/23/14 17:45	1
PCB-1221	ND		17	3.2	ug/Kg		08/21/14 14:57	08/23/14 17:45	1
PCB-1232	ND		17	2.9	ug/Kg		08/21/14 14:57	08/23/14 17:45	1
PCB-1242	ND		17	2.7	ug/Kg		08/21/14 14:57	08/23/14 17:45	1
PCB-1248	ND		17	1.6	ug/Kg		08/21/14 14:57	08/23/14 17:45	1
PCB-1254	ND		17	2.4	ug/Kg		08/21/14 14:57	08/23/14 17:45	1
PCB-1260	ND		17	2.4	ug/Kg		08/21/14 14:57	08/23/14 17:45	1
PCB-1262	ND		17	3.7	ug/Kg		08/21/14 14:57	08/23/14 17:45	1
PCB-1268	ND		17	2.1	ug/Kg		08/21/14 14:57	08/23/14 17:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 125*	*08/21/14 14:57*	*08/23/14 17:45*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*	*08/21/14 14:57*	*08/23/14 17:45*	*1*

Lab Sample ID: MB 180-115626/1-C
Matrix: Solid
Analysis Batch: 115798

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115626

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*	*08/21/14 14:57*	*08/23/14 18:17*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*	*08/21/14 14:57*	*08/23/14 18:17*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-115626/5-C
Matrix: Solid
Analysis Batch: 115796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115626

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1330	1080		ug/Kg		81	55 - 135		
PCB-1260			1330	994		ug/Kg		75	50 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*

Lab Sample ID: LCS 180-115626/5-C
Matrix: Solid
Analysis Batch: 115798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115626

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*90*		*45 - 135*

Lab Sample ID: 180-35729-21 MS
Matrix: Solid
Analysis Batch: 115796

Client Sample ID: SSHS-B95-SS
Prep Type: Total/NA
Prep Batch: 115626

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		1810	1220		ug/Kg	☼	67	55 - 135		
PCB-1260	ND		1810	1140		ug/Kg	☼	63	50 - 140		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*69*		*45 - 135*

Lab Sample ID: 180-35729-21 MS
Matrix: Solid
Analysis Batch: 115798

Client Sample ID: SSHS-B95-SS
Prep Type: Total/NA
Prep Batch: 115626

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*72*		*45 - 135*

Lab Sample ID: 180-35729-21 MSD
Matrix: Solid
Analysis Batch: 115796

Client Sample ID: SSHS-B95-SS
Prep Type: Total/NA
Prep Batch: 115626

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1810	1190		ug/Kg	☼	66	55 - 135	2	20
PCB-1260	ND		1810	1100		ug/Kg	☼	61	50 - 140	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*68*		*45 - 135*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-35729-21 MSD
Matrix: Solid
Analysis Batch: 115798

Client Sample ID: SSHS-B95-SS
Prep Type: Total/NA
Prep Batch: 115626

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*72*		*45 - 135*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 180-115460/1-A
Matrix: Solid
Analysis Batch: 116072

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115460

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	2.1	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Arsenic	ND		1.0	0.31	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Barium	0.0320	J	20	0.013	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Beryllium	ND		0.40	0.011	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Cadmium	0.0170	J	0.50	0.014	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Calcium	29.3	J	500	1.5	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Chromium	ND		0.50	0.077	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Cobalt	ND		5.0	0.042	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Copper	ND		2.5	0.14	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Iron	ND		10	0.89	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Lead	ND		1.0	0.10	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Magnesium	ND		500	2.1	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Manganese	ND		1.5	0.089	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Nickel	0.0500	J	4.0	0.048	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Potassium	ND		500	6.4	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Selenium	ND		1.0	0.27	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Silver	ND		0.50	0.040	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Sodium	3.17	J	500	1.1	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Thallium	ND		2.0	0.15	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Vanadium	ND		5.0	0.17	mg/Kg		08/20/14 13:49	08/26/14 07:53	1
Zinc	0.699	J	2.0	0.10	mg/Kg		08/20/14 13:49	08/26/14 07:53	1

Lab Sample ID: MB 180-115460/1-A
Matrix: Solid
Analysis Batch: 116283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115460

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.20	mg/Kg		08/20/14 13:49	08/27/14 17:27	1

Lab Sample ID: LCS 180-115460/2-A
Matrix: Solid
Analysis Batch: 116072

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115460

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	196	194		mg/Kg		99	80 - 120
Arsenic	49.0	49.6		mg/Kg		101	80 - 120
Barium	196	194		mg/Kg		99	80 - 120
Beryllium	4.90	4.99		mg/Kg		102	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-115460/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116072 **Prep Batch: 115460**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	4.90	4.63		mg/Kg		94	80 - 120
Calcium	4900	5010		mg/Kg		102	80 - 120
Chromium	19.6	19.4		mg/Kg		99	80 - 120
Cobalt	49.0	48.3		mg/Kg		98	80 - 120
Copper	24.5	24.0		mg/Kg		98	80 - 120
Iron	98.0	100		mg/Kg		102	80 - 120
Lead	49.0	47.3		mg/Kg		97	80 - 120
Magnesium	4900	4920		mg/Kg		100	80 - 120
Manganese	49.0	48.5		mg/Kg		99	80 - 120
Nickel	49.0	48.2		mg/Kg		98	80 - 120
Potassium	4900	4910		mg/Kg		100	80 - 120
Selenium	49.0	47.6		mg/Kg		97	80 - 120
Silver	4.90	4.89		mg/Kg		100	80 - 120
Sodium	4900	5120		mg/Kg		104	80 - 120
Thallium	49.0	45.7		mg/Kg		93	80 - 120
Vanadium	49.0	49.9		mg/Kg		102	80 - 120
Zinc	49.0	47.9		mg/Kg		98	80 - 120

Lab Sample ID: LCS 180-115460/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116283 **Prep Batch: 115460**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	49.0	47.8		mg/Kg		98	80 - 120

Lab Sample ID: 180-35729-3 MS **Client Sample ID: SSHS-B95-6-10 (8)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116072 **Prep Batch: 115460**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8700		207	10200	4	mg/Kg	☼	703	75 - 125
Arsenic	9.1		51.7	54.5		mg/Kg	☼	88	75 - 125
Barium	56	B	207	239		mg/Kg	☼	89	75 - 125
Beryllium	0.39	J	5.17	4.93		mg/Kg	☼	88	75 - 125
Cadmium	0.031	J B	5.17	4.33		mg/Kg	☼	83	75 - 125
Calcium	3300	B	5170	9120		mg/Kg	☼	112	75 - 125
Chromium	11		20.7	30.1		mg/Kg	☼	90	75 - 125
Cobalt	7.7		51.7	58.1		mg/Kg	☼	97	75 - 125
Copper	22		25.8	45.0		mg/Kg	☼	87	75 - 125
Iron	21000		103	19700	4	mg/Kg	☼	-1148	75 - 125
Lead	12		51.7	62.5		mg/Kg	☼	97	75 - 125
Magnesium	2900		5170	7490		mg/Kg	☼	88	75 - 125
Manganese	450		51.7	562	4	mg/Kg	☼	207	75 - 125
Nickel	18	B	51.7	69.2		mg/Kg	☼	98	75 - 125
Potassium	680		5170	5490		mg/Kg	☼	93	75 - 125
Selenium	ND		51.7	43.4		mg/Kg	☼	84	75 - 125
Silver	ND		5.17	4.60		mg/Kg	☼	89	75 - 125
Sodium	34	J B	5170	4810		mg/Kg	☼	92	75 - 125
Thallium	0.31	J	51.7	46.2		mg/Kg	☼	89	75 - 125

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

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35729-3 MS
Matrix: Solid
Analysis Batch: 116072

Client Sample ID: SSHS-B95-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115460

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	13		51.7	62.2		mg/Kg	☼	96	75 - 125
Zinc	56	B	51.7	97.4		mg/Kg	☼	79	75 - 125

Lab Sample ID: 180-35729-3 MS
Matrix: Solid
Analysis Batch: 116283

Client Sample ID: SSHS-B95-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115460

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		51.7	33.5	F1	mg/Kg	☼	65	75 - 125

Lab Sample ID: 180-35729-3 MSD
Matrix: Solid
Analysis Batch: 116072

Client Sample ID: SSHS-B95-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115460

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	8700		231	10600	4	mg/Kg	☼	817	75 - 125	4	20
Arsenic	9.1		57.8	60.3		mg/Kg	☼	88	75 - 125	10	20
Barium	56	B	231	264		mg/Kg	☼	90	75 - 125	10	20
Beryllium	0.39	J	5.78	5.54		mg/Kg	☼	89	75 - 125	12	20
Cadmium	0.031	J B	5.78	4.86		mg/Kg	☼	83	75 - 125	11	20
Calcium	3300	B	5780	9450		mg/Kg	☼	106	75 - 125	4	20
Chromium	11		23.1	32.1		mg/Kg	☼	89	75 - 125	7	20
Cobalt	7.7		57.8	64.4		mg/Kg	☼	98	75 - 125	10	20
Copper	22		28.9	52.2		mg/Kg	☼	103	75 - 125	15	20
Iron	21000		116	20700	4	mg/Kg	☼	-161	75 - 125	5	20
Lead	12		57.8	67.6		mg/Kg	☼	96	75 - 125	8	20
Magnesium	2900		5780	8190		mg/Kg	☼	91	75 - 125	9	20
Manganese	450		57.8	677	4	mg/Kg	☼	383	75 - 125	19	20
Nickel	18	B	57.8	76.5		mg/Kg	☼	100	75 - 125	10	20
Potassium	680		5780	6080		mg/Kg	☼	93	75 - 125	10	20
Selenium	ND		57.8	49.2		mg/Kg	☼	85	75 - 125	13	20
Silver	ND		5.78	5.19		mg/Kg	☼	90	75 - 125	12	20
Sodium	34	J B	5780	5430		mg/Kg	☼	93	75 - 125	12	20
Thallium	0.31	J	57.8	51.9		mg/Kg	☼	89	75 - 125	12	20
Vanadium	13		57.8	66.7		mg/Kg	☼	93	75 - 125	7	20
Zinc	56	B	57.8	109		mg/Kg	☼	91	75 - 125	11	20

Lab Sample ID: 180-35729-3 MSD
Matrix: Solid
Analysis Batch: 116283

Client Sample ID: SSHS-B95-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115460

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		57.8	40.0	F1	mg/Kg	☼	69	75 - 125	18	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-115461/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116139
Prep Batch: 115461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	2.0	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Antimony	ND		0.98	0.20	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Arsenic	ND		0.98	0.30	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Barium	ND		20	0.013	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Beryllium	ND		0.39	0.011	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Cadmium	0.0176	J	0.49	0.014	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Calcium	ND		490	1.5	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Chromium	ND		0.49	0.076	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Cobalt	ND		4.9	0.041	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Copper	ND		2.5	0.14	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Iron	ND		9.8	0.87	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Lead	ND		0.98	0.10	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Magnesium	ND		490	2.0	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Manganese	ND		1.5	0.087	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Nickel	0.0471	J	3.9	0.047	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Potassium	8.43	J	490	6.3	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Selenium	ND		0.98	0.26	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Silver	ND		0.49	0.040	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Sodium	4.82	J	490	1.0	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Thallium	ND		2.0	0.14	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Vanadium	ND		4.9	0.17	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Zinc	0.132	J	2.0	0.10	mg/Kg		08/20/14 13:51	08/26/14 12:53	1

Lab Sample ID: LCS 180-115461/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116139
Prep Batch: 115461

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	196	195		mg/Kg		99	80 - 120
Antimony	49.0	50.3		mg/Kg		103	80 - 120
Arsenic	49.0	51.9		mg/Kg		106	80 - 120
Barium	196	198		mg/Kg		101	80 - 120
Beryllium	4.90	4.98		mg/Kg		102	80 - 120
Cadmium	4.90	4.72		mg/Kg		96	80 - 120
Calcium	4900	4960		mg/Kg		101	80 - 120
Chromium	19.6	19.8		mg/Kg		101	80 - 120
Cobalt	49.0	49.6		mg/Kg		101	80 - 120
Copper	24.5	23.8		mg/Kg		97	80 - 120
Iron	98.0	101		mg/Kg		103	80 - 120
Lead	49.0	48.4		mg/Kg		99	80 - 120
Magnesium	4900	4910		mg/Kg		100	80 - 120
Manganese	49.0	46.9		mg/Kg		96	80 - 120
Nickel	49.0	49.3		mg/Kg		101	80 - 120
Potassium	4900	4900		mg/Kg		100	80 - 120
Selenium	49.0	49.8		mg/Kg		102	80 - 120
Silver	4.90	4.91		mg/Kg		100	80 - 120
Sodium	4900	5020		mg/Kg		102	80 - 120
Thallium	49.0	47.1		mg/Kg		96	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-115461/2-A
Matrix: Solid
Analysis Batch: 116139
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115461

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	49.0	52.3		mg/Kg		107	80 - 120
Zinc	49.0	49.2		mg/Kg		100	80 - 120

Lab Sample ID: MB 180-115029/1-A
Matrix: Water
Analysis Batch: 116002
Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 115029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	42	ug/L		08/18/14 06:08	08/25/14 17:18	1
Antimony	ND		10	2.5	ug/L		08/18/14 06:08	08/25/14 17:18	1
Arsenic	ND		10	3.0	ug/L		08/18/14 06:08	08/25/14 17:18	1
Barium	ND		200	0.19	ug/L		08/18/14 06:08	08/25/14 17:18	1
Beryllium	ND		4.0	0.27	ug/L		08/18/14 06:08	08/25/14 17:18	1
Cadmium	ND		5.0	0.17	ug/L		08/18/14 06:08	08/25/14 17:18	1
Calcium	ND		5000	14	ug/L		08/18/14 06:08	08/25/14 17:18	1
Chromium	ND		5.0	1.0	ug/L		08/18/14 06:08	08/25/14 17:18	1
Cobalt	ND		50	0.39	ug/L		08/18/14 06:08	08/25/14 17:18	1
Copper	ND		25	0.85	ug/L		08/18/14 06:08	08/25/14 17:18	1
Iron	ND		100	5.3	ug/L		08/18/14 06:08	08/25/14 17:18	1
Lead	ND		10	1.5	ug/L		08/18/14 06:08	08/25/14 17:18	1
Magnesium	ND		5000	11	ug/L		08/18/14 06:08	08/25/14 17:18	1
Manganese	ND		15	0.094	ug/L		08/18/14 06:08	08/25/14 17:18	1
Nickel	ND		40	0.49	ug/L		08/18/14 06:08	08/25/14 17:18	1
Potassium	243	J	5000	41	ug/L		08/18/14 06:08	08/25/14 17:18	1
Selenium	ND		10	1.7	ug/L		08/18/14 06:08	08/25/14 17:18	1
Silver	ND		5.0	0.27	ug/L		08/18/14 06:08	08/25/14 17:18	1
Sodium	82.6	J	5000	21	ug/L		08/18/14 06:08	08/25/14 17:18	1
Thallium	ND		20	1.5	ug/L		08/18/14 06:08	08/25/14 17:18	1
Vanadium	ND		50	1.1	ug/L		08/18/14 06:08	08/25/14 17:18	1
Zinc	ND		20	6.0	ug/L		08/18/14 06:08	08/25/14 17:18	1

Lab Sample ID: LCS 180-115029/2-A
Matrix: Water
Analysis Batch: 116002
Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 115029

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2000	1990		ug/L		99	80 - 120
Antimony	500	527		ug/L		105	80 - 120
Arsenic	500	535		ug/L		107	80 - 120
Barium	2000	2200		ug/L		110	80 - 120
Beryllium	50.0	50.3		ug/L		101	80 - 120
Cadmium	50.0	49.3		ug/L		99	80 - 120
Calcium	50000	47400		ug/L		95	80 - 120
Chromium	200	192		ug/L		96	80 - 120
Cobalt	500	495		ug/L		99	80 - 120
Copper	250	247		ug/L		99	80 - 120
Iron	1000	1010		ug/L		101	80 - 120
Lead	500	478		ug/L		96	80 - 120
Magnesium	50000	46500		ug/L		93	80 - 120

QC Sample Results

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-115029/2-A
Matrix: Water
Analysis Batch: 116002

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 115029

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	500	481		ug/L		96	80 - 120
Nickel	500	487		ug/L		97	80 - 120
Potassium	50000	50100		ug/L		100	80 - 120
Selenium	500	524		ug/L		105	80 - 120
Silver	50.0	52.0		ug/L		104	80 - 120
Sodium	50000	52200		ug/L		104	80 - 120
Thallium	500	492		ug/L		98	80 - 120
Vanadium	500	506		ug/L		101	80 - 120
Zinc	500	487		ug/L		97	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-114731/1-A
Matrix: Water
Analysis Batch: 114757

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114731

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.038	ug/L		08/14/14 11:41	08/14/14 13:17	1

Lab Sample ID: LCS 180-114731/2-A
Matrix: Water
Analysis Batch: 114757

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114731

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.55		ug/L		102	80 - 120

Lab Sample ID: LCSD 180-114731/3-A
Matrix: Water
Analysis Batch: 114757

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114731

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	2.50	2.45		ug/L		98	80 - 120	4	20

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 180-115222/1-A
Matrix: Solid
Analysis Batch: 115302

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115222

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.011	mg/Kg		08/19/14 09:31	08/19/14 14:46	1

Lab Sample ID: LCS 180-115222/2-A
Matrix: Solid
Analysis Batch: 115302

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115222

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.414		mg/Kg		99	80 - 120

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique) (Continued)

Lab Sample ID: 180-35729-3 MS
Client Sample ID: SSHS-B95-6-10 (8)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115302
Prep Batch: 115222

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.013	J	0.174	0.203		mg/Kg	☼	109	75 - 125

Lab Sample ID: 180-35729-3 MSD
Client Sample ID: SSHS-B95-6-10 (8)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115302
Prep Batch: 115222

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.013	J	0.177	0.191		mg/Kg	☼	101	75 - 125	6	20

Lab Sample ID: MB 180-115584/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115636
Prep Batch: 115584

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.011	mg/Kg		08/21/14 10:25	08/21/14 14:45	1

Lab Sample ID: LCS 180-115584/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115636
Prep Batch: 115584

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.429		mg/Kg		103	80 - 120

Method: 2540G - SM 2540G

Lab Sample ID: 180-35729-3 DU
Client Sample ID: SSHS-B95-6-10 (8)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 114721

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	6.0		6.1		%		2	20
Percent Solids	94		94		%		0.1	20

Lab Sample ID: 180-35729-7 DU
Client Sample ID: SSHS-B92-2-6 (4)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 114721

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	10		11		%		2	20
Percent Solids	90		89		%		0.2	20

Lab Sample ID: 180-35729-17 DU
Client Sample ID: SSHS-B93-0.17-2 (1.5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 114730

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	15		14		%		3	20
Percent Solids	85		86		%		0.5	20

QC Sample Results

Method: 2540G - SM 2540G (Continued)

Lab Sample ID: 180-35729-27 DU
Client Sample ID: DUP-2
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 114730

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	26		26		%		0.5	20
Percent Solids	74		74		%		0.2	20

Method: 9014 - Cyanide

Lab Sample ID: MB 180-115113/4-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115140
Prep Batch: 115113

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.15	mg/Kg		08/18/14 11:35	08/18/14 13:02	1

Lab Sample ID: HLCS 180-115113/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115140
Prep Batch: 115113

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.227		mg/Kg		91	90 - 110

Lab Sample ID: LCS 180-115113/3-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115140
Prep Batch: 115113

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	101	86.4		mg/Kg		86	38 - 162

Lab Sample ID: LLCS 180-115113/1-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115140
Prep Batch: 115113

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0505		mg/Kg		101	90 - 110

Lab Sample ID: 180-35729-3 MS
Client Sample ID: SSHS-B95-6-10 (8)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115140
Prep Batch: 115113

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.28	J	5.27	5.04		mg/Kg	☼	90	75 - 125

Lab Sample ID: 180-35729-3 MSD
Client Sample ID: SSHS-B95-6-10 (8)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115140
Prep Batch: 115113

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.28	J	5.38	5.28		mg/Kg	☼	93	75 - 125	5	20

Method: 9014 - Cyanide (Continued)

Lab Sample ID: 180-35729-9 MS
Matrix: Solid
Analysis Batch: 115140

Client Sample ID: SSHS-B92-10-16 (12)
Prep Type: Total/NA
Prep Batch: 115113

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.34	J	5.55	5.35		mg/Kg	☼	90	75 - 125

Lab Sample ID: MB 180-115269/4-A
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115269

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.15	mg/Kg		08/20/14 07:00	08/20/14 09:13	1

Lab Sample ID: HLCS 180-115269/2-A
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115269

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.235		mg/Kg		94	90 - 110

Lab Sample ID: LCS 180-115269/3-A
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115269

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	101	94.1		mg/Kg		93	38 - 162

Lab Sample ID: LLCS 180-115269/1-A
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115269

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0487		mg/Kg		97	90 - 110

Lab Sample ID: 180-35729-19 MS
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: SSHS-B93-6-10 (9.5)
Prep Type: Total/NA
Prep Batch: 115269

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		5.23	5.55		mg/Kg	☼	106	75 - 125

Lab Sample ID: MB 180-115561/4-A
Matrix: Water
Analysis Batch: 115631

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115561

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		10	3.2	ug/L		08/21/14 08:50	08/21/14 10:47	1

Lab Sample ID: HLCS 180-115561/2-A
Matrix: Water
Analysis Batch: 115631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115561

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	250	233		ug/L		93	90 - 110

Lab Sample ID: LCS 180-115561/3-A
Matrix: Water
Analysis Batch: 115631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115561

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			200	186		ug/L		93	85 - 115		

Lab Sample ID: LLCS 180-115561/1-A
Matrix: Water
Analysis Batch: 115631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115561

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			50.0	48.6		ug/L		97	90 - 110		

GC/MS VOA

Analysis Batch: 114635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-1	SSHS-B95-0.17-2 (1.5)	Total/NA	Solid	8260C	114641
180-35729-2	SSHS-B95-2-6 (4)	Total/NA	Solid	8260C	114641
180-35729-3	SSHS-B95-6-10 (8)	Total/NA	Solid	8260C	114641
180-35729-3 MS	SSHS-B95-6-10 (8)	Total/NA	Solid	8260C	114641
180-35729-3 MSD	SSHS-B95-6-10 (8)	Total/NA	Solid	8260C	114641
180-35729-4	SSHS-B95-10-15 (11.5)	Total/NA	Solid	8260C	114641
180-35729-5	SSHS-B92-SS	Total/NA	Solid	8260C	114641
180-35729-6	SSHS-B92-0.17-2 (1)	Total/NA	Solid	8260C	114641
180-35729-7	SSHS-B92-2-6 (4)	Total/NA	Solid	8260C	114641
180-35729-8	SSHS-B92-6-10 (9)	Total/NA	Solid	8260C	114641
180-35729-9	SSHS-B92-10-16 (12)	Total/NA	Solid	8260C	114641
180-35729-10	SSHS-B94-SS	Total/NA	Solid	8260C	114641
LCS 180-114641/2-A	Lab Control Sample	Total/NA	Solid	8260C	114641
MB 180-114641/1-A	Method Blank	Total/NA	Solid	8260C	114641

Prep Batch: 114641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-1	SSHS-B95-0.17-2 (1.5)	Total/NA	Solid	5035	
180-35729-2	SSHS-B95-2-6 (4)	Total/NA	Solid	5035	
180-35729-3	SSHS-B95-6-10 (8)	Total/NA	Solid	5035	
180-35729-3 MS	SSHS-B95-6-10 (8)	Total/NA	Solid	5035	
180-35729-3 MSD	SSHS-B95-6-10 (8)	Total/NA	Solid	5035	
180-35729-4	SSHS-B95-10-15 (11.5)	Total/NA	Solid	5035	
180-35729-5	SSHS-B92-SS	Total/NA	Solid	5035	
180-35729-6	SSHS-B92-0.17-2 (1)	Total/NA	Solid	5035	
180-35729-7	SSHS-B92-2-6 (4)	Total/NA	Solid	5035	
180-35729-8	SSHS-B92-6-10 (9)	Total/NA	Solid	5035	
180-35729-9	SSHS-B92-10-16 (12)	Total/NA	Solid	5035	
180-35729-10	SSHS-B94-SS	Total/NA	Solid	5035	
LCS 180-114641/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-114641/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 114794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-12	SSHS-B96-0.17-2 (1.5)	Total/NA	Solid	8260C	114801
180-35729-13	SSHS-B96-2-6 (4.5)	Total/NA	Solid	8260C	114801
180-35729-14	SSHS-B96-6-10 (9.5)	Total/NA	Solid	8260C	114801
180-35729-15	SSHS-B96-10-15.5 (12.5)	Total/NA	Solid	8260C	114801
180-35729-16	SSHS-B93-SS	Total/NA	Solid	8260C	114801
180-35729-17	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	8260C	114801
180-35729-18	SSHS-B93-2-6 (5)	Total/NA	Solid	8260C	114801
180-35729-19	SSHS-B93-6-10 (9.5)	Total/NA	Solid	8260C	114801
180-35729-20	SSHS-B93-10-16 (15)	Total/NA	Solid	8260C	114801
180-35729-21	SSHS-B95-SS	Total/NA	Solid	8260C	114801
180-35729-22	SSHS-B94-0.17-2 (1)	Total/NA	Solid	8260C	114801
180-35729-23	SSHS-B94-2-6 (6)	Total/NA	Solid	8260C	114801
180-35729-24	SSHS-B94-6-10 (7)	Total/NA	Solid	8260C	114801
180-35729-25	SSHS-B94-10-16 (14)	Total/NA	Solid	8260C	114801
180-35729-27	DUP-2	Total/NA	Solid	8260C	114801
LCS 180-114801/2-A	Lab Control Sample	Total/NA	Solid	8260C	114801
MB 180-114801/1-A	Method Blank	Total/NA	Solid	8260C	114801

GC/MS VOA (Continued)

Prep Batch: 114801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-12	SSHS-B96-0.17-2 (1.5)	Total/NA	Solid	5035	
180-35729-13	SSHS-B96-2-6 (4.5)	Total/NA	Solid	5035	
180-35729-14	SSHS-B96-6-10 (9.5)	Total/NA	Solid	5035	
180-35729-15	SSHS-B96-10-15.5 (12.5)	Total/NA	Solid	5035	
180-35729-16	SSHS-B93-SS	Total/NA	Solid	5035	
180-35729-17	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	5035	
180-35729-18	SSHS-B93-2-6 (5)	Total/NA	Solid	5035	
180-35729-19	SSHS-B93-6-10 (9.5)	Total/NA	Solid	5035	
180-35729-20	SSHS-B93-10-16 (15)	Total/NA	Solid	5035	
180-35729-21	SSHS-B95-SS	Total/NA	Solid	5035	
180-35729-22	SSHS-B94-0.17-2 (1)	Total/NA	Solid	5035	
180-35729-23	SSHS-B94-2-6 (6)	Total/NA	Solid	5035	
180-35729-24	SSHS-B94-6-10 (7)	Total/NA	Solid	5035	
180-35729-25	SSHS-B94-10-16 (14)	Total/NA	Solid	5035	
180-35729-27	DUP-2	Total/NA	Solid	5035	
LCS 180-114801/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-114801/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 114924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-26	DUP-1	Total/NA	Solid	8260C	114925
LCS 180-114925/2-A	Lab Control Sample	Total/NA	Solid	8260C	114925
MB 180-114925/1-A	Method Blank	Total/NA	Solid	8260C	114925

Prep Batch: 114925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-26	DUP-1	Total/NA	Solid	5035	
LCS 180-114925/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-114925/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-28	SSHS-B93-GW-18-22	Total/NA	Water	8260C	
180-35729-34	TRIP BLANK	Total/NA	Water	8260C	
180-35729-35	20140812-EQUIPMENT BLANK-GW	Total/NA	Water	8260C	
LCS 180-115104/7	Lab Control Sample	Total/NA	Water	8260C	
LCSD 180-115104/8	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 180-115104/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 115214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-11	SSHS-B96-SS	Total/NA	Solid	8260C	115242
LCS 180-115242/2-A	Lab Control Sample	Total/NA	Solid	8260C	115242
LCSD 180-115242/3-A	Lab Control Sample Dup	Total/NA	Solid	8260C	115242
MB 180-115242/1-A	Method Blank	Total/NA	Solid	8260C	115242

Analysis Batch: 115232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-29	SSHS-B94-GW-18-22	Total/NA	Water	8260C	
180-35729-30	SSHS-B92-GW-18-22	Total/NA	Water	8260C	
180-35729-31	SSHS-B95-GW-18-22	Total/NA	Water	8260C	

GC/MS VOA (Continued)

Analysis Batch: 115232 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-32	SSHS-B96-GW-18-22	Total/NA	Water	8260C	
180-35729-33	DUP-3-GW	Total/NA	Water	8260C	
180-35729-36	20140812-EQUIPMENT BLANK-SOIL	Total/NA	Water	8260C	
180-35729-37	20140812-SOURCE BLANK	Total/NA	Water	8260C	
LCS 180-115232/11	Lab Control Sample	Total/NA	Water	8260C	
LCSD 180-115232/12	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 180-115232/10	Method Blank	Total/NA	Water	8260C	

Prep Batch: 115242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-11	SSHS-B96-SS	Total/NA	Solid	5035	
LCS 180-115242/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 180-115242/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 180-115242/1-A	Method Blank	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 114701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-36	20140812-EQUIPMENT BLANK-SOIL	Total/NA	Water	3520C	
180-35729-37	20140812-SOURCE BLANK	Total/NA	Water	3520C	
LCS 180-114701/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 180-114701/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 180-114701/1-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 115180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-1	SSHS-B95-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35729-2	SSHS-B95-2-6 (4)	Total/NA	Solid	3541	
180-35729-3	SSHS-B95-6-10 (8)	Total/NA	Solid	3541	
180-35729-3 MS	SSHS-B95-6-10 (8)	Total/NA	Solid	3541	
180-35729-3 MSD	SSHS-B95-6-10 (8)	Total/NA	Solid	3541	
180-35729-4	SSHS-B95-10-15 (11.5)	Total/NA	Solid	3541	
180-35729-5	SSHS-B92-SS	Total/NA	Solid	3541	
180-35729-6	SSHS-B92-0.17-2 (1)	Total/NA	Solid	3541	
180-35729-7	SSHS-B92-2-6 (4)	Total/NA	Solid	3541	
180-35729-8	SSHS-B92-6-10 (9)	Total/NA	Solid	3541	
180-35729-10	SSHS-B94-SS	Total/NA	Solid	3541	
180-35729-11	SSHS-B96-SS	Total/NA	Solid	3541	
180-35729-12	SSHS-B96-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35729-13	SSHS-B96-2-6 (4.5)	Total/NA	Solid	3541	
180-35729-14	SSHS-B96-6-10 (9.5)	Total/NA	Solid	3541	
180-35729-15	SSHS-B96-10-15.5 (12.5)	Total/NA	Solid	3541	
180-35729-16	SSHS-B93-SS	Total/NA	Solid	3541	
180-35729-17	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35729-18	SSHS-B93-2-6 (5)	Total/NA	Solid	3541	
180-35729-19	SSHS-B93-6-10 (9.5)	Total/NA	Solid	3541	
180-35729-20	SSHS-B93-10-16 (15)	Total/NA	Solid	3541	
LCS 180-115180/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-115180/1-A	Method Blank	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Analysis Batch: 115191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-36	20140812-EQUIPMENT BLANK-SOIL	Total/NA	Water	8270D LL	114701
180-35729-37	20140812-SOURCE BLANK	Total/NA	Water	8270D LL	114701
LCS 180-114701/2-A	Lab Control Sample	Total/NA	Water	8270D LL	114701
LCSD 180-114701/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	114701
MB 180-114701/1-A	Method Blank	Total/NA	Water	8270D LL	114701

Analysis Batch: 115193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-1	SSHS-B95-0.17-2 (1.5)	Total/NA	Solid	8270D	115180
180-35729-2	SSHS-B95-2-6 (4)	Total/NA	Solid	8270D	115180
180-35729-3	SSHS-B95-6-10 (8)	Total/NA	Solid	8270D	115180
180-35729-3 MS	SSHS-B95-6-10 (8)	Total/NA	Solid	8270D	115180
180-35729-3 MSD	SSHS-B95-6-10 (8)	Total/NA	Solid	8270D	115180
180-35729-4	SSHS-B95-10-15 (11.5)	Total/NA	Solid	8270D	115180
180-35729-5	SSHS-B92-SS	Total/NA	Solid	8270D	115180
180-35729-7	SSHS-B92-2-6 (4)	Total/NA	Solid	8270D	115180
180-35729-8	SSHS-B92-6-10 (9)	Total/NA	Solid	8270D	115180
180-35729-10	SSHS-B94-SS	Total/NA	Solid	8270D	115180
180-35729-11	SSHS-B96-SS	Total/NA	Solid	8270D	115180
180-35729-12	SSHS-B96-0.17-2 (1.5)	Total/NA	Solid	8270D	115180
180-35729-14	SSHS-B96-6-10 (9.5)	Total/NA	Solid	8270D	115180
180-35729-15	SSHS-B96-10-15.5 (12.5)	Total/NA	Solid	8270D	115180
180-35729-16	SSHS-B93-SS	Total/NA	Solid	8270D	115180
180-35729-17	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	8270D	115180
180-35729-18	SSHS-B93-2-6 (5)	Total/NA	Solid	8270D	115180
180-35729-19	SSHS-B93-6-10 (9.5)	Total/NA	Solid	8270D	115180
180-35729-20	SSHS-B93-10-16 (15)	Total/NA	Solid	8270D	115180
LCS 180-115180/2-A	Lab Control Sample	Total/NA	Solid	8270D	115180
MB 180-115180/1-A	Method Blank	Total/NA	Solid	8270D	115180

Analysis Batch: 115415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-6	SSHS-B92-0.17-2 (1)	Total/NA	Solid	8270D	115180
180-35729-13	SSHS-B96-2-6 (4.5)	Total/NA	Solid	8270D	115180

Prep Batch: 115500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-9	SSHS-B92-10-16 (12)	Total/NA	Solid	3541	
180-35729-21	SSHS-B95-SS	Total/NA	Solid	3541	
180-35729-21 MS	SSHS-B95-SS	Total/NA	Solid	3541	
180-35729-21 MSD	SSHS-B95-SS	Total/NA	Solid	3541	
180-35729-22	SSHS-B94-0.17-2 (1)	Total/NA	Solid	3541	
180-35729-23	SSHS-B94-2-6 (6)	Total/NA	Solid	3541	
180-35729-24	SSHS-B94-6-10 (7)	Total/NA	Solid	3541	
180-35729-25	SSHS-B94-10-16 (14)	Total/NA	Solid	3541	
180-35729-26	DUP-1	Total/NA	Solid	3541	
180-35729-27	DUP-2	Total/NA	Solid	3541	
LCS 180-115500/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-115500/1-A	Method Blank	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Analysis Batch: 115579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-9	SSHS-B92-10-16 (12)	Total/NA	Solid	8270D	115500
180-35729-21	SSHS-B95-SS	Total/NA	Solid	8270D	115500
180-35729-21 MS	SSHS-B95-SS	Total/NA	Solid	8270D	115500
180-35729-21 MSD	SSHS-B95-SS	Total/NA	Solid	8270D	115500
180-35729-22	SSHS-B94-0.17-2 (1)	Total/NA	Solid	8270D	115500
180-35729-23	SSHS-B94-2-6 (6)	Total/NA	Solid	8270D	115500
180-35729-24	SSHS-B94-6-10 (7)	Total/NA	Solid	8270D	115500
180-35729-25	SSHS-B94-10-16 (14)	Total/NA	Solid	8270D	115500
180-35729-26	DUP-1	Total/NA	Solid	8270D	115500
180-35729-27	DUP-2	Total/NA	Solid	8270D	115500
LCS 180-115500/2-A	Lab Control Sample	Total/NA	Solid	8270D	115500
MB 180-115500/1-A	Method Blank	Total/NA	Solid	8270D	115500

GC VOA

Analysis Batch: 143382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-37	20140812-SOURCE BLANK	Total/NA	Water	8015D	
180-35729-37 MS	20140812-SOURCE BLANK	Total/NA	Water	8015D	
180-35729-37 MSD	20140812-SOURCE BLANK	Total/NA	Water	8015D	
LCS 240-143382/6	Lab Control Sample	Total/NA	Water	8015D	
MB 240-143382/5	Method Blank	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 115137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-36	20140812-EQUIPMENT BLANK-SOIL	Total/NA	Water	3510C	
180-35729-37	20140812-SOURCE BLANK	Total/NA	Water	3510C	
LCS 180-115137/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 180-115137/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 180-115137/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 180-115137/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 180-115137/1-A	Method Blank	Total/NA	Water	3510C	

Prep Batch: 115362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-1	SSHS-B95-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35729-2	SSHS-B95-2-6 (4)	Total/NA	Solid	3541	
180-35729-3	SSHS-B95-6-10 (8)	Total/NA	Solid	3541	
180-35729-3 MS	SSHS-B95-6-10 (8)	Total/NA	Solid	3541	
180-35729-3 MS	SSHS-B95-6-10 (8)	Total/NA	Solid	3541	
180-35729-3 MSD	SSHS-B95-6-10 (8)	Total/NA	Solid	3541	
180-35729-3 MSD	SSHS-B95-6-10 (8)	Total/NA	Solid	3541	
180-35729-4	SSHS-B95-10-15 (11.5)	Total/NA	Solid	3541	
180-35729-5	SSHS-B92-SS	Total/NA	Solid	3541	
180-35729-6	SSHS-B92-0.17-2 (1)	Total/NA	Solid	3541	
180-35729-7	SSHS-B92-2-6 (4)	Total/NA	Solid	3541	
180-35729-8	SSHS-B92-6-10 (9)	Total/NA	Solid	3541	
180-35729-9	SSHS-B92-10-16 (12)	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 115362 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-10	SSHS-B94-SS	Total/NA	Solid	3541	
180-35729-11	SSHS-B96-SS	Total/NA	Solid	3541	
180-35729-12	SSHS-B96-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35729-13	SSHS-B96-2-6 (4.5)	Total/NA	Solid	3541	
180-35729-14	SSHS-B96-6-10 (9.5)	Total/NA	Solid	3541	
180-35729-15	SSHS-B96-10-15.5 (12.5)	Total/NA	Solid	3541	
180-35729-16	SSHS-B93-SS	Total/NA	Solid	3541	
180-35729-17	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35729-18	SSHS-B93-2-6 (5)	Total/NA	Solid	3541	
180-35729-19	SSHS-B93-6-10 (9.5)	Total/NA	Solid	3541	
180-35729-20	SSHS-B93-10-16 (15)	Total/NA	Solid	3541	
LCS 180-115362/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCS 180-115362/5-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-115362/1-A	Method Blank	Total/NA	Solid	3541	
MB 180-115362/1-C	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 115424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-1	SSHS-B95-0.17-2 (1.5)	Total/NA	Solid	8081B	115362
180-35729-2	SSHS-B95-2-6 (4)	Total/NA	Solid	8081B	115362
180-35729-3	SSHS-B95-6-10 (8)	Total/NA	Solid	8081B	115362
180-35729-3 MS	SSHS-B95-6-10 (8)	Total/NA	Solid	8081B	115362
180-35729-3 MSD	SSHS-B95-6-10 (8)	Total/NA	Solid	8081B	115362
180-35729-4	SSHS-B95-10-15 (11.5)	Total/NA	Solid	8081B	115362
180-35729-5	SSHS-B92-SS	Total/NA	Solid	8081B	115362
180-35729-6	SSHS-B92-0.17-2 (1)	Total/NA	Solid	8081B	115362
180-35729-7	SSHS-B92-2-6 (4)	Total/NA	Solid	8081B	115362
180-35729-8	SSHS-B92-6-10 (9)	Total/NA	Solid	8081B	115362
180-35729-9	SSHS-B92-10-16 (12)	Total/NA	Solid	8081B	115362
180-35729-10	SSHS-B94-SS	Total/NA	Solid	8081B	115362
180-35729-11	SSHS-B96-SS	Total/NA	Solid	8081B	115362
180-35729-12	SSHS-B96-0.17-2 (1.5)	Total/NA	Solid	8081B	115362
180-35729-13	SSHS-B96-2-6 (4.5)	Total/NA	Solid	8081B	115362
180-35729-14	SSHS-B96-6-10 (9.5)	Total/NA	Solid	8081B	115362
180-35729-15	SSHS-B96-10-15.5 (12.5)	Total/NA	Solid	8081B	115362
180-35729-16	SSHS-B93-SS	Total/NA	Solid	8081B	115362
180-35729-17	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	8081B	115362
180-35729-18	SSHS-B93-2-6 (5)	Total/NA	Solid	8081B	115362
180-35729-19	SSHS-B93-6-10 (9.5)	Total/NA	Solid	8081B	115362
180-35729-20	SSHS-B93-10-16 (15)	Total/NA	Solid	8081B	115362
180-35729-36	20140812-EQUIPMENT BLANK-SOIL	Total/NA	Water	8081B_LL	115137
180-35729-37	20140812-SOURCE BLANK	Total/NA	Water	8081B_LL	115137
LCS 180-115137/2-A	Lab Control Sample	Total/NA	Water	8081B_LL	115137
LCS 180-115362/2-A	Lab Control Sample	Total/NA	Solid	8081B	115362
LCSD 180-115137/3-A	Lab Control Sample Dup	Total/NA	Water	8081B_LL	115137
MB 180-115137/1-A	Method Blank	Total/NA	Water	8081B_LL	115137
MB 180-115362/1-A	Method Blank	Total/NA	Solid	8081B	115362

Analysis Batch: 115456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-36	20140812-EQUIPMENT BLANK-SOIL	Total/NA	Water	8082A	115137

GC Semi VOA (Continued)

Analysis Batch: 115456 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-37	20140812-SOURCE BLANK	Total/NA	Water	8082A	115137
LCS 180-115137/4-A	Lab Control Sample	Total/NA	Water	8082A	115137
LCSD 180-115137/5-A	Lab Control Sample Dup	Total/NA	Water	8082A	115137
MB 180-115137/1-A	Method Blank	Total/NA	Water	8082A	115137

Cleanup Batch: 115458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-1	SSHS-B95-0.17-2 (1.5)	Total/NA	Solid	3665A	115362
180-35729-2	SSHS-B95-2-6 (4)	Total/NA	Solid	3665A	115362
180-35729-3	SSHS-B95-6-10 (8)	Total/NA	Solid	3665A	115362
180-35729-3 MS	SSHS-B95-6-10 (8)	Total/NA	Solid	3665A	115362
180-35729-3 MSD	SSHS-B95-6-10 (8)	Total/NA	Solid	3665A	115362
180-35729-4	SSHS-B95-10-15 (11.5)	Total/NA	Solid	3665A	115362
180-35729-5	SSHS-B92-SS	Total/NA	Solid	3665A	115362
180-35729-6	SSHS-B92-0.17-2 (1)	Total/NA	Solid	3665A	115362
180-35729-7	SSHS-B92-2-6 (4)	Total/NA	Solid	3665A	115362
180-35729-8	SSHS-B92-6-10 (9)	Total/NA	Solid	3665A	115362
180-35729-9	SSHS-B92-10-16 (12)	Total/NA	Solid	3665A	115362
180-35729-10	SSHS-B94-SS	Total/NA	Solid	3665A	115362
180-35729-11	SSHS-B96-SS	Total/NA	Solid	3665A	115362
180-35729-12	SSHS-B96-0.17-2 (1.5)	Total/NA	Solid	3665A	115362
180-35729-13	SSHS-B96-2-6 (4.5)	Total/NA	Solid	3665A	115362
180-35729-14	SSHS-B96-6-10 (9.5)	Total/NA	Solid	3665A	115362
180-35729-15	SSHS-B96-10-15.5 (12.5)	Total/NA	Solid	3665A	115362
180-35729-16	SSHS-B93-SS	Total/NA	Solid	3665A	115362
180-35729-17	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	3665A	115362
180-35729-18	SSHS-B93-2-6 (5)	Total/NA	Solid	3665A	115362
180-35729-19	SSHS-B93-6-10 (9.5)	Total/NA	Solid	3665A	115362
180-35729-20	SSHS-B93-10-16 (15)	Total/NA	Solid	3665A	115362
LCS 180-115362/5-C	Lab Control Sample	Total/NA	Solid	3665A	115362
MB 180-115362/1-C	Method Blank	Total/NA	Solid	3665A	115362

Cleanup Batch: 115459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-1	SSHS-B95-0.17-2 (1.5)	Total/NA	Solid	3660B	115458
180-35729-2	SSHS-B95-2-6 (4)	Total/NA	Solid	3660B	115458
180-35729-3	SSHS-B95-6-10 (8)	Total/NA	Solid	3660B	115458
180-35729-3 MS	SSHS-B95-6-10 (8)	Total/NA	Solid	3660B	115458
180-35729-3 MSD	SSHS-B95-6-10 (8)	Total/NA	Solid	3660B	115458
180-35729-4	SSHS-B95-10-15 (11.5)	Total/NA	Solid	3660B	115458
180-35729-5	SSHS-B92-SS	Total/NA	Solid	3660B	115458
180-35729-6	SSHS-B92-0.17-2 (1)	Total/NA	Solid	3660B	115458
180-35729-7	SSHS-B92-2-6 (4)	Total/NA	Solid	3660B	115458
180-35729-8	SSHS-B92-6-10 (9)	Total/NA	Solid	3660B	115458
180-35729-9	SSHS-B92-10-16 (12)	Total/NA	Solid	3660B	115458
180-35729-10	SSHS-B94-SS	Total/NA	Solid	3660B	115458
180-35729-11	SSHS-B96-SS	Total/NA	Solid	3660B	115458
180-35729-12	SSHS-B96-0.17-2 (1.5)	Total/NA	Solid	3660B	115458
180-35729-13	SSHS-B96-2-6 (4.5)	Total/NA	Solid	3660B	115458
180-35729-14	SSHS-B96-6-10 (9.5)	Total/NA	Solid	3660B	115458
180-35729-15	SSHS-B96-10-15.5 (12.5)	Total/NA	Solid	3660B	115458

GC Semi VOA (Continued)

Cleanup Batch: 115459 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-16	SSHS-B93-SS	Total/NA	Solid	3660B	115458
180-35729-17	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	3660B	115458
180-35729-18	SSHS-B93-2-6 (5)	Total/NA	Solid	3660B	115458
180-35729-19	SSHS-B93-6-10 (9.5)	Total/NA	Solid	3660B	115458
180-35729-20	SSHS-B93-10-16 (15)	Total/NA	Solid	3660B	115458
LCS 180-115362/5-C	Lab Control Sample	Total/NA	Solid	3660B	115458
MB 180-115362/1-C	Method Blank	Total/NA	Solid	3660B	115458

Analysis Batch: 115597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-1	SSHS-B95-0.17-2 (1.5)	Total/NA	Solid	8082A	115459
180-35729-2	SSHS-B95-2-6 (4)	Total/NA	Solid	8082A	115459
180-35729-3	SSHS-B95-6-10 (8)	Total/NA	Solid	8082A	115459
180-35729-3 MS	SSHS-B95-6-10 (8)	Total/NA	Solid	8082A	115459
180-35729-3 MSD	SSHS-B95-6-10 (8)	Total/NA	Solid	8082A	115459
180-35729-4	SSHS-B95-10-15 (11.5)	Total/NA	Solid	8082A	115459
180-35729-5	SSHS-B92-SS	Total/NA	Solid	8082A	115459
180-35729-6	SSHS-B92-0.17-2 (1)	Total/NA	Solid	8082A	115459
180-35729-7	SSHS-B92-2-6 (4)	Total/NA	Solid	8082A	115459
180-35729-8	SSHS-B92-6-10 (9)	Total/NA	Solid	8082A	115459
180-35729-9	SSHS-B92-10-16 (12)	Total/NA	Solid	8082A	115459
180-35729-10	SSHS-B94-SS	Total/NA	Solid	8082A	115459
180-35729-11	SSHS-B96-SS	Total/NA	Solid	8082A	115459
180-35729-12	SSHS-B96-0.17-2 (1.5)	Total/NA	Solid	8082A	115459
180-35729-13	SSHS-B96-2-6 (4.5)	Total/NA	Solid	8082A	115459
180-35729-14	SSHS-B96-6-10 (9.5)	Total/NA	Solid	8082A	115459
180-35729-15	SSHS-B96-10-15.5 (12.5)	Total/NA	Solid	8082A	115459
180-35729-16	SSHS-B93-SS	Total/NA	Solid	8082A	115459
180-35729-17	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	8082A	115459
180-35729-18	SSHS-B93-2-6 (5)	Total/NA	Solid	8082A	115459
180-35729-19	SSHS-B93-6-10 (9.5)	Total/NA	Solid	8082A	115459
180-35729-20	SSHS-B93-10-16 (15)	Total/NA	Solid	8082A	115459
LCS 180-115362/5-C	Lab Control Sample	Total/NA	Solid	8082A	115459
MB 180-115362/1-C	Method Blank	Total/NA	Solid	8082A	115459

Analysis Batch: 115599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-1	SSHS-B95-0.17-2 (1.5)	Total/NA	Solid	8082A	115459
180-35729-2	SSHS-B95-2-6 (4)	Total/NA	Solid	8082A	115459
180-35729-3	SSHS-B95-6-10 (8)	Total/NA	Solid	8082A	115459
180-35729-3 MS	SSHS-B95-6-10 (8)	Total/NA	Solid	8082A	115459
180-35729-3 MSD	SSHS-B95-6-10 (8)	Total/NA	Solid	8082A	115459
180-35729-4	SSHS-B95-10-15 (11.5)	Total/NA	Solid	8082A	115459
180-35729-5	SSHS-B92-SS	Total/NA	Solid	8082A	115459
180-35729-6	SSHS-B92-0.17-2 (1)	Total/NA	Solid	8082A	115459
180-35729-7	SSHS-B92-2-6 (4)	Total/NA	Solid	8082A	115459
180-35729-8	SSHS-B92-6-10 (9)	Total/NA	Solid	8082A	115459
180-35729-9	SSHS-B92-10-16 (12)	Total/NA	Solid	8082A	115459
180-35729-10	SSHS-B94-SS	Total/NA	Solid	8082A	115459
180-35729-11	SSHS-B96-SS	Total/NA	Solid	8082A	115459
180-35729-12	SSHS-B96-0.17-2 (1.5)	Total/NA	Solid	8082A	115459

GC Semi VOA (Continued)

Analysis Batch: 115599 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-13	SSHS-B96-2-6 (4.5)	Total/NA	Solid	8082A	115459
180-35729-14	SSHS-B96-6-10 (9.5)	Total/NA	Solid	8082A	115459
180-35729-15	SSHS-B96-10-15.5 (12.5)	Total/NA	Solid	8082A	115459
180-35729-16	SSHS-B93-SS	Total/NA	Solid	8082A	115459
180-35729-17	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	8082A	115459
180-35729-18	SSHS-B93-2-6 (5)	Total/NA	Solid	8082A	115459
180-35729-19	SSHS-B93-6-10 (9.5)	Total/NA	Solid	8082A	115459
180-35729-20	SSHS-B93-10-16 (15)	Total/NA	Solid	8082A	115459
LCS 180-115362/5-C	Lab Control Sample	Total/NA	Solid	8082A	115459
MB 180-115362/1-C	Method Blank	Total/NA	Solid	8082A	115459

Prep Batch: 115626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-21	SSHS-B95-SS	Total/NA	Solid	3541	
180-35729-21 MS	SSHS-B95-SS	Total/NA	Solid	3541	
180-35729-21 MS	SSHS-B95-SS	Total/NA	Solid	3541	
180-35729-21 MSD	SSHS-B95-SS	Total/NA	Solid	3541	
180-35729-21 MSD	SSHS-B95-SS	Total/NA	Solid	3541	
180-35729-22	SSHS-B94-0.17-2 (1)	Total/NA	Solid	3541	
180-35729-23	SSHS-B94-2-6 (6)	Total/NA	Solid	3541	
180-35729-24	SSHS-B94-6-10 (7)	Total/NA	Solid	3541	
180-35729-25	SSHS-B94-10-16 (14)	Total/NA	Solid	3541	
180-35729-26	DUP-1	Total/NA	Solid	3541	
180-35729-27	DUP-2	Total/NA	Solid	3541	
LCS 180-115626/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCS 180-115626/5-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-115626/1-A	Method Blank	Total/NA	Solid	3541	
MB 180-115626/1-C	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 115680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-21	SSHS-B95-SS	Total/NA	Solid	8081B	115626
180-35729-21 MS	SSHS-B95-SS	Total/NA	Solid	8081B	115626
180-35729-21 MSD	SSHS-B95-SS	Total/NA	Solid	8081B	115626
180-35729-22	SSHS-B94-0.17-2 (1)	Total/NA	Solid	8081B	115626
180-35729-23	SSHS-B94-2-6 (6)	Total/NA	Solid	8081B	115626
180-35729-24	SSHS-B94-6-10 (7)	Total/NA	Solid	8081B	115626
180-35729-25	SSHS-B94-10-16 (14)	Total/NA	Solid	8081B	115626
180-35729-26	DUP-1	Total/NA	Solid	8081B	115626
180-35729-27	DUP-2	Total/NA	Solid	8081B	115626
LCS 180-115626/2-A	Lab Control Sample	Total/NA	Solid	8081B	115626
MB 180-115626/1-A	Method Blank	Total/NA	Solid	8081B	115626

Cleanup Batch: 115717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-21	SSHS-B95-SS	Total/NA	Solid	3665A	115626
180-35729-21 MS	SSHS-B95-SS	Total/NA	Solid	3665A	115626
180-35729-21 MSD	SSHS-B95-SS	Total/NA	Solid	3665A	115626
180-35729-22	SSHS-B94-0.17-2 (1)	Total/NA	Solid	3665A	115626
180-35729-23	SSHS-B94-2-6 (6)	Total/NA	Solid	3665A	115626
180-35729-24	SSHS-B94-6-10 (7)	Total/NA	Solid	3665A	115626

GC Semi VOA (Continued)

Cleanup Batch: 115717 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-25	SSHS-B94-10-16 (14)	Total/NA	Solid	3665A	115626
180-35729-26	DUP-1	Total/NA	Solid	3665A	115626
180-35729-27	DUP-2	Total/NA	Solid	3665A	115626
LCS 180-115626/5-C	Lab Control Sample	Total/NA	Solid	3665A	115626
MB 180-115626/1-C	Method Blank	Total/NA	Solid	3665A	115626

Cleanup Batch: 115718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-21	SSHS-B95-SS	Total/NA	Solid	3660B	115717
180-35729-21 MS	SSHS-B95-SS	Total/NA	Solid	3660B	115717
180-35729-21 MSD	SSHS-B95-SS	Total/NA	Solid	3660B	115717
180-35729-22	SSHS-B94-0.17-2 (1)	Total/NA	Solid	3660B	115717
180-35729-23	SSHS-B94-2-6 (6)	Total/NA	Solid	3660B	115717
180-35729-24	SSHS-B94-6-10 (7)	Total/NA	Solid	3660B	115717
180-35729-25	SSHS-B94-10-16 (14)	Total/NA	Solid	3660B	115717
180-35729-26	DUP-1	Total/NA	Solid	3660B	115717
180-35729-27	DUP-2	Total/NA	Solid	3660B	115717
LCS 180-115626/5-C	Lab Control Sample	Total/NA	Solid	3660B	115717
MB 180-115626/1-C	Method Blank	Total/NA	Solid	3660B	115717

Analysis Batch: 115796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-21	SSHS-B95-SS	Total/NA	Solid	8082A	115718
180-35729-21 MS	SSHS-B95-SS	Total/NA	Solid	8082A	115718
180-35729-21 MSD	SSHS-B95-SS	Total/NA	Solid	8082A	115718
180-35729-22	SSHS-B94-0.17-2 (1)	Total/NA	Solid	8082A	115718
180-35729-23	SSHS-B94-2-6 (6)	Total/NA	Solid	8082A	115718
180-35729-24	SSHS-B94-6-10 (7)	Total/NA	Solid	8082A	115718
180-35729-25	SSHS-B94-10-16 (14)	Total/NA	Solid	8082A	115718
180-35729-26	DUP-1	Total/NA	Solid	8082A	115718
180-35729-27	DUP-2	Total/NA	Solid	8082A	115718
LCS 180-115626/5-C	Lab Control Sample	Total/NA	Solid	8082A	115718
MB 180-115626/1-C	Method Blank	Total/NA	Solid	8082A	115718

Analysis Batch: 115798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-21	SSHS-B95-SS	Total/NA	Solid	8082A	115718
180-35729-21 MS	SSHS-B95-SS	Total/NA	Solid	8082A	115718
180-35729-21 MSD	SSHS-B95-SS	Total/NA	Solid	8082A	115718
180-35729-22	SSHS-B94-0.17-2 (1)	Total/NA	Solid	8082A	115718
180-35729-23	SSHS-B94-2-6 (6)	Total/NA	Solid	8082A	115718
180-35729-24	SSHS-B94-6-10 (7)	Total/NA	Solid	8082A	115718
180-35729-25	SSHS-B94-10-16 (14)	Total/NA	Solid	8082A	115718
180-35729-26	DUP-1	Total/NA	Solid	8082A	115718
180-35729-27	DUP-2	Total/NA	Solid	8082A	115718
LCS 180-115626/5-C	Lab Control Sample	Total/NA	Solid	8082A	115718
MB 180-115626/1-C	Method Blank	Total/NA	Solid	8082A	115718

Prep Batch: 143102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-37	20140812-SOURCE BLANK	Total/NA	Water	3520C	

GC Semi VOA (Continued)

Prep Batch: 143102 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-143102/6-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-143102/5-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 143320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-37	20140812-SOURCE BLANK	Total/NA	Water	8015D	143102
LCS 240-143102/6-A	Lab Control Sample	Total/NA	Water	8015D	143102
MB 240-143102/5-A	Method Blank	Total/NA	Water	8015D	143102

Metals

Prep Batch: 114731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-36	20140812-EQUIPMENT BLANK-SOIL	Total/NA	Water	7470A	
180-35729-37	20140812-SOURCE BLANK	Total/NA	Water	7470A	
LCS 180-114731/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 180-114731/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
MB 180-114731/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 114757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-36	20140812-EQUIPMENT BLANK-SOIL	Total/NA	Water	7470A	114731
180-35729-37	20140812-SOURCE BLANK	Total/NA	Water	7470A	114731
LCS 180-114731/2-A	Lab Control Sample	Total/NA	Water	7470A	114731
LCSD 180-114731/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	114731
MB 180-114731/1-A	Method Blank	Total/NA	Water	7470A	114731

Prep Batch: 115029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-36	20140812-EQUIPMENT BLANK-SOIL	Total Recoverable	Water	3005A	
180-35729-37	20140812-SOURCE BLANK	Total Recoverable	Water	3005A	
LCS 180-115029/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 180-115029/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 115222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-1	SSHS-B95-0.17-2 (1.5)	Total/NA	Solid	7471B	
180-35729-2	SSHS-B95-2-6 (4)	Total/NA	Solid	7471B	
180-35729-3	SSHS-B95-6-10 (8)	Total/NA	Solid	7471B	
180-35729-3 MS	SSHS-B95-6-10 (8)	Total/NA	Solid	7471B	
180-35729-3 MSD	SSHS-B95-6-10 (8)	Total/NA	Solid	7471B	
180-35729-4	SSHS-B95-10-15 (11.5)	Total/NA	Solid	7471B	
180-35729-5	SSHS-B92-SS	Total/NA	Solid	7471B	
180-35729-6	SSHS-B92-0.17-2 (1)	Total/NA	Solid	7471B	
180-35729-7	SSHS-B92-2-6 (4)	Total/NA	Solid	7471B	
180-35729-8	SSHS-B92-6-10 (9)	Total/NA	Solid	7471B	
180-35729-9	SSHS-B92-10-16 (12)	Total/NA	Solid	7471B	
180-35729-10	SSHS-B94-SS	Total/NA	Solid	7471B	
180-35729-11	SSHS-B96-SS	Total/NA	Solid	7471B	
180-35729-12	SSHS-B96-0.17-2 (1.5)	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 115222 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-13	SSHS-B96-2-6 (4.5)	Total/NA	Solid	7471B	
180-35729-14	SSHS-B96-6-10 (9.5)	Total/NA	Solid	7471B	
180-35729-15	SSHS-B96-10-15.5 (12.5)	Total/NA	Solid	7471B	
180-35729-16	SSHS-B93-SS	Total/NA	Solid	7471B	
180-35729-17	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	7471B	
180-35729-18	SSHS-B93-2-6 (5)	Total/NA	Solid	7471B	
180-35729-19	SSHS-B93-6-10 (9.5)	Total/NA	Solid	7471B	
180-35729-20	SSHS-B93-10-16 (15)	Total/NA	Solid	7471B	
LCS 180-115222/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 180-115222/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 115302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-1	SSHS-B95-0.17-2 (1.5)	Total/NA	Solid	7471B	115222
180-35729-2	SSHS-B95-2-6 (4)	Total/NA	Solid	7471B	115222
180-35729-3	SSHS-B95-6-10 (8)	Total/NA	Solid	7471B	115222
180-35729-3 MS	SSHS-B95-6-10 (8)	Total/NA	Solid	7471B	115222
180-35729-3 MSD	SSHS-B95-6-10 (8)	Total/NA	Solid	7471B	115222
180-35729-4	SSHS-B95-10-15 (11.5)	Total/NA	Solid	7471B	115222
180-35729-5	SSHS-B92-SS	Total/NA	Solid	7471B	115222
180-35729-6	SSHS-B92-0.17-2 (1)	Total/NA	Solid	7471B	115222
180-35729-7	SSHS-B92-2-6 (4)	Total/NA	Solid	7471B	115222
180-35729-8	SSHS-B92-6-10 (9)	Total/NA	Solid	7471B	115222
180-35729-9	SSHS-B92-10-16 (12)	Total/NA	Solid	7471B	115222
180-35729-10	SSHS-B94-SS	Total/NA	Solid	7471B	115222
180-35729-11	SSHS-B96-SS	Total/NA	Solid	7471B	115222
180-35729-12	SSHS-B96-0.17-2 (1.5)	Total/NA	Solid	7471B	115222
180-35729-13	SSHS-B96-2-6 (4.5)	Total/NA	Solid	7471B	115222
180-35729-14	SSHS-B96-6-10 (9.5)	Total/NA	Solid	7471B	115222
180-35729-15	SSHS-B96-10-15.5 (12.5)	Total/NA	Solid	7471B	115222
180-35729-16	SSHS-B93-SS	Total/NA	Solid	7471B	115222
180-35729-17	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	7471B	115222
180-35729-18	SSHS-B93-2-6 (5)	Total/NA	Solid	7471B	115222
180-35729-19	SSHS-B93-6-10 (9.5)	Total/NA	Solid	7471B	115222
180-35729-20	SSHS-B93-10-16 (15)	Total/NA	Solid	7471B	115222
LCS 180-115222/2-A	Lab Control Sample	Total/NA	Solid	7471B	115222
MB 180-115222/1-A	Method Blank	Total/NA	Solid	7471B	115222

Prep Batch: 115460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-1	SSHS-B95-0.17-2 (1.5)	Total/NA	Solid	3050B	
180-35729-2	SSHS-B95-2-6 (4)	Total/NA	Solid	3050B	
180-35729-3	SSHS-B95-6-10 (8)	Total/NA	Solid	3050B	
180-35729-3 MS	SSHS-B95-6-10 (8)	Total/NA	Solid	3050B	
180-35729-3 MSD	SSHS-B95-6-10 (8)	Total/NA	Solid	3050B	
180-35729-4	SSHS-B95-10-15 (11.5)	Total/NA	Solid	3050B	
180-35729-5	SSHS-B92-SS	Total/NA	Solid	3050B	
180-35729-6	SSHS-B92-0.17-2 (1)	Total/NA	Solid	3050B	
180-35729-7	SSHS-B92-2-6 (4)	Total/NA	Solid	3050B	
180-35729-8	SSHS-B92-6-10 (9)	Total/NA	Solid	3050B	
180-35729-9	SSHS-B92-10-16 (12)	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 115460 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-10	SSHS-B94-SS	Total/NA	Solid	3050B	
180-35729-11	SSHS-B96-SS	Total/NA	Solid	3050B	
180-35729-12	SSHS-B96-0.17-2 (1.5)	Total/NA	Solid	3050B	
180-35729-13	SSHS-B96-2-6 (4.5)	Total/NA	Solid	3050B	
180-35729-14	SSHS-B96-6-10 (9.5)	Total/NA	Solid	3050B	
180-35729-15	SSHS-B96-10-15.5 (12.5)	Total/NA	Solid	3050B	
180-35729-16	SSHS-B93-SS	Total/NA	Solid	3050B	
180-35729-17	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	3050B	
180-35729-18	SSHS-B93-2-6 (5)	Total/NA	Solid	3050B	
180-35729-19	SSHS-B93-6-10 (9.5)	Total/NA	Solid	3050B	
180-35729-20	SSHS-B93-10-16 (15)	Total/NA	Solid	3050B	
LCS 180-115460/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 180-115460/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 115461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-21	SSHS-B95-SS	Total/NA	Solid	3050B	
180-35729-22	SSHS-B94-0.17-2 (1)	Total/NA	Solid	3050B	
180-35729-23	SSHS-B94-2-6 (6)	Total/NA	Solid	3050B	
180-35729-24	SSHS-B94-6-10 (7)	Total/NA	Solid	3050B	
180-35729-25	SSHS-B94-10-16 (14)	Total/NA	Solid	3050B	
180-35729-26	DUP-1	Total/NA	Solid	3050B	
180-35729-27	DUP-2	Total/NA	Solid	3050B	
LCS 180-115461/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 180-115461/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 115584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-21	SSHS-B95-SS	Total/NA	Solid	7471B	
180-35729-22	SSHS-B94-0.17-2 (1)	Total/NA	Solid	7471B	
180-35729-23	SSHS-B94-2-6 (6)	Total/NA	Solid	7471B	
180-35729-24	SSHS-B94-6-10 (7)	Total/NA	Solid	7471B	
180-35729-25	SSHS-B94-10-16 (14)	Total/NA	Solid	7471B	
180-35729-26	DUP-1	Total/NA	Solid	7471B	
180-35729-27	DUP-2	Total/NA	Solid	7471B	
LCS 180-115584/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 180-115584/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 115636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-21	SSHS-B95-SS	Total/NA	Solid	7471B	115584
180-35729-22	SSHS-B94-0.17-2 (1)	Total/NA	Solid	7471B	115584
180-35729-23	SSHS-B94-2-6 (6)	Total/NA	Solid	7471B	115584
180-35729-24	SSHS-B94-6-10 (7)	Total/NA	Solid	7471B	115584
180-35729-25	SSHS-B94-10-16 (14)	Total/NA	Solid	7471B	115584
180-35729-26	DUP-1	Total/NA	Solid	7471B	115584
180-35729-27	DUP-2	Total/NA	Solid	7471B	115584
LCS 180-115584/2-A	Lab Control Sample	Total/NA	Solid	7471B	115584
MB 180-115584/1-A	Method Blank	Total/NA	Solid	7471B	115584

Metals (Continued)

Analysis Batch: 116002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-36	20140812-EQUIPMENT BLANK-SOIL	Total Recoverable	Water	6010C	115029
180-35729-37	20140812-SOURCE BLANK	Total Recoverable	Water	6010C	115029
LCS 180-115029/2-A	Lab Control Sample	Total Recoverable	Water	6010C	115029
MB 180-115029/1-A	Method Blank	Total Recoverable	Water	6010C	115029

Analysis Batch: 116072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-1	SSHS-B95-0.17-2 (1.5)	Total/NA	Solid	6010C	115460
180-35729-2	SSHS-B95-2-6 (4)	Total/NA	Solid	6010C	115460
180-35729-3	SSHS-B95-6-10 (8)	Total/NA	Solid	6010C	115460
180-35729-3 MS	SSHS-B95-6-10 (8)	Total/NA	Solid	6010C	115460
180-35729-3 MSD	SSHS-B95-6-10 (8)	Total/NA	Solid	6010C	115460
180-35729-4	SSHS-B95-10-15 (11.5)	Total/NA	Solid	6010C	115460
180-35729-5	SSHS-B92-SS	Total/NA	Solid	6010C	115460
180-35729-6	SSHS-B92-0.17-2 (1)	Total/NA	Solid	6010C	115460
180-35729-7	SSHS-B92-2-6 (4)	Total/NA	Solid	6010C	115460
180-35729-8	SSHS-B92-6-10 (9)	Total/NA	Solid	6010C	115460
180-35729-9	SSHS-B92-10-16 (12)	Total/NA	Solid	6010C	115460
180-35729-10	SSHS-B94-SS	Total/NA	Solid	6010C	115460
180-35729-11	SSHS-B96-SS	Total/NA	Solid	6010C	115460
180-35729-12	SSHS-B96-0.17-2 (1.5)	Total/NA	Solid	6010C	115460
180-35729-13	SSHS-B96-2-6 (4.5)	Total/NA	Solid	6010C	115460
180-35729-14	SSHS-B96-6-10 (9.5)	Total/NA	Solid	6010C	115460
180-35729-15	SSHS-B96-10-15.5 (12.5)	Total/NA	Solid	6010C	115460
180-35729-16	SSHS-B93-SS	Total/NA	Solid	6010C	115460
180-35729-17	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	6010C	115460
180-35729-18	SSHS-B93-2-6 (5)	Total/NA	Solid	6010C	115460
180-35729-19	SSHS-B93-6-10 (9.5)	Total/NA	Solid	6010C	115460
180-35729-20	SSHS-B93-10-16 (15)	Total/NA	Solid	6010C	115460
LCS 180-115460/2-A	Lab Control Sample	Total/NA	Solid	6010C	115460
MB 180-115460/1-A	Method Blank	Total/NA	Solid	6010C	115460

Analysis Batch: 116139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-21	SSHS-B95-SS	Total/NA	Solid	6010C	115461
180-35729-22	SSHS-B94-0.17-2 (1)	Total/NA	Solid	6010C	115461
180-35729-23	SSHS-B94-2-6 (6)	Total/NA	Solid	6010C	115461
180-35729-24	SSHS-B94-6-10 (7)	Total/NA	Solid	6010C	115461
180-35729-25	SSHS-B94-10-16 (14)	Total/NA	Solid	6010C	115461
180-35729-26	DUP-1	Total/NA	Solid	6010C	115461
180-35729-27	DUP-2	Total/NA	Solid	6010C	115461
LCS 180-115461/2-A	Lab Control Sample	Total/NA	Solid	6010C	115461
MB 180-115461/1-A	Method Blank	Total/NA	Solid	6010C	115461

Analysis Batch: 116283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-1	SSHS-B95-0.17-2 (1.5)	Total/NA	Solid	6010C	115460
180-35729-2	SSHS-B95-2-6 (4)	Total/NA	Solid	6010C	115460
180-35729-3	SSHS-B95-6-10 (8)	Total/NA	Solid	6010C	115460
180-35729-3 MS	SSHS-B95-6-10 (8)	Total/NA	Solid	6010C	115460
180-35729-3 MSD	SSHS-B95-6-10 (8)	Total/NA	Solid	6010C	115460

Metals (Continued)

Analysis Batch: 116283 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-4	SSHS-B95-10-15 (11.5)	Total/NA	Solid	6010C	115460
180-35729-5	SSHS-B92-SS	Total/NA	Solid	6010C	115460
180-35729-6	SSHS-B92-0.17-2 (1)	Total/NA	Solid	6010C	115460
180-35729-7	SSHS-B92-2-6 (4)	Total/NA	Solid	6010C	115460
180-35729-8	SSHS-B92-6-10 (9)	Total/NA	Solid	6010C	115460
180-35729-9	SSHS-B92-10-16 (12)	Total/NA	Solid	6010C	115460
180-35729-10	SSHS-B94-SS	Total/NA	Solid	6010C	115460
180-35729-11	SSHS-B96-SS	Total/NA	Solid	6010C	115460
180-35729-12	SSHS-B96-0.17-2 (1.5)	Total/NA	Solid	6010C	115460
180-35729-13	SSHS-B96-2-6 (4.5)	Total/NA	Solid	6010C	115460
180-35729-14	SSHS-B96-6-10 (9.5)	Total/NA	Solid	6010C	115460
180-35729-15	SSHS-B96-10-15.5 (12.5)	Total/NA	Solid	6010C	115460
180-35729-16	SSHS-B93-SS	Total/NA	Solid	6010C	115460
180-35729-17	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	6010C	115460
180-35729-18	SSHS-B93-2-6 (5)	Total/NA	Solid	6010C	115460
180-35729-19	SSHS-B93-6-10 (9.5)	Total/NA	Solid	6010C	115460
180-35729-20	SSHS-B93-10-16 (15)	Total/NA	Solid	6010C	115460
LCS 180-115460/2-A	Lab Control Sample	Total/NA	Solid	6010C	115460
MB 180-115460/1-A	Method Blank	Total/NA	Solid	6010C	115460

General Chemistry

Analysis Batch: 114721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-1	SSHS-B95-0.17-2 (1.5)	Total/NA	Solid	2540G	
180-35729-2	SSHS-B95-2-6 (4)	Total/NA	Solid	2540G	
180-35729-3	SSHS-B95-6-10 (8)	Total/NA	Solid	2540G	
180-35729-3 DU	SSHS-B95-6-10 (8)	Total/NA	Solid	2540G	
180-35729-4	SSHS-B95-10-15 (11.5)	Total/NA	Solid	2540G	
180-35729-5	SSHS-B92-SS	Total/NA	Solid	2540G	
180-35729-6	SSHS-B92-0.17-2 (1)	Total/NA	Solid	2540G	
180-35729-7	SSHS-B92-2-6 (4)	Total/NA	Solid	2540G	
180-35729-7 DU	SSHS-B92-2-6 (4)	Total/NA	Solid	2540G	
180-35729-8	SSHS-B92-6-10 (9)	Total/NA	Solid	2540G	
180-35729-9	SSHS-B92-10-16 (12)	Total/NA	Solid	2540G	
180-35729-10	SSHS-B94-SS	Total/NA	Solid	2540G	
180-35729-11	SSHS-B96-SS	Total/NA	Solid	2540G	
180-35729-12	SSHS-B96-0.17-2 (1.5)	Total/NA	Solid	2540G	
180-35729-13	SSHS-B96-2-6 (4.5)	Total/NA	Solid	2540G	
180-35729-14	SSHS-B96-6-10 (9.5)	Total/NA	Solid	2540G	
180-35729-15	SSHS-B96-10-15.5 (12.5)	Total/NA	Solid	2540G	
180-35729-16	SSHS-B93-SS	Total/NA	Solid	2540G	

Analysis Batch: 114730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-17	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	2540G	
180-35729-17 DU	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	2540G	
180-35729-18	SSHS-B93-2-6 (5)	Total/NA	Solid	2540G	
180-35729-19	SSHS-B93-6-10 (9.5)	Total/NA	Solid	2540G	
180-35729-20	SSHS-B93-10-16 (15)	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 114730 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-21	SSHS-B95-SS	Total/NA	Solid	2540G	
180-35729-22	SSHS-B94-0.17-2 (1)	Total/NA	Solid	2540G	
180-35729-23	SSHS-B94-2-6 (6)	Total/NA	Solid	2540G	
180-35729-24	SSHS-B94-6-10 (7)	Total/NA	Solid	2540G	
180-35729-25	SSHS-B94-10-16 (14)	Total/NA	Solid	2540G	
180-35729-26	DUP-1	Total/NA	Solid	2540G	
180-35729-27	DUP-2	Total/NA	Solid	2540G	
180-35729-27 DU	DUP-2	Total/NA	Solid	2540G	

Prep Batch: 115113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-1	SSHS-B95-0.17-2 (1.5)	Total/NA	Solid	9010C	
180-35729-2	SSHS-B95-2-6 (4)	Total/NA	Solid	9010C	
180-35729-3	SSHS-B95-6-10 (8)	Total/NA	Solid	9010C	
180-35729-3 MS	SSHS-B95-6-10 (8)	Total/NA	Solid	9010C	
180-35729-3 MSD	SSHS-B95-6-10 (8)	Total/NA	Solid	9010C	
180-35729-4	SSHS-B95-10-15 (11.5)	Total/NA	Solid	9010C	
180-35729-5	SSHS-B92-SS	Total/NA	Solid	9010C	
180-35729-6	SSHS-B92-0.17-2 (1)	Total/NA	Solid	9010C	
180-35729-7	SSHS-B92-2-6 (4)	Total/NA	Solid	9010C	
180-35729-8	SSHS-B92-6-10 (9)	Total/NA	Solid	9010C	
180-35729-9	SSHS-B92-10-16 (12)	Total/NA	Solid	9010C	
180-35729-9 MS	SSHS-B92-10-16 (12)	Total/NA	Solid	9010C	
180-35729-10	SSHS-B94-SS	Total/NA	Solid	9010C	
180-35729-11	SSHS-B96-SS	Total/NA	Solid	9010C	
180-35729-12	SSHS-B96-0.17-2 (1.5)	Total/NA	Solid	9010C	
180-35729-13	SSHS-B96-2-6 (4.5)	Total/NA	Solid	9010C	
180-35729-14	SSHS-B96-6-10 (9.5)	Total/NA	Solid	9010C	
180-35729-15	SSHS-B96-10-15.5 (12.5)	Total/NA	Solid	9010C	
180-35729-16	SSHS-B93-SS	Total/NA	Solid	9010C	
180-35729-17	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	9010C	
180-35729-18	SSHS-B93-2-6 (5)	Total/NA	Solid	9010C	
HLCS 180-115113/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-115113/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-115113/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-115113/4-A	Method Blank	Total/NA	Solid	9010C	

Analysis Batch: 115140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-1	SSHS-B95-0.17-2 (1.5)	Total/NA	Solid	9014	115113
180-35729-2	SSHS-B95-2-6 (4)	Total/NA	Solid	9014	115113
180-35729-3	SSHS-B95-6-10 (8)	Total/NA	Solid	9014	115113
180-35729-3 MS	SSHS-B95-6-10 (8)	Total/NA	Solid	9014	115113
180-35729-3 MSD	SSHS-B95-6-10 (8)	Total/NA	Solid	9014	115113
180-35729-4	SSHS-B95-10-15 (11.5)	Total/NA	Solid	9014	115113
180-35729-5	SSHS-B92-SS	Total/NA	Solid	9014	115113
180-35729-6	SSHS-B92-0.17-2 (1)	Total/NA	Solid	9014	115113
180-35729-7	SSHS-B92-2-6 (4)	Total/NA	Solid	9014	115113
180-35729-8	SSHS-B92-6-10 (9)	Total/NA	Solid	9014	115113
180-35729-9	SSHS-B92-10-16 (12)	Total/NA	Solid	9014	115113
180-35729-9 MS	SSHS-B92-10-16 (12)	Total/NA	Solid	9014	115113

General Chemistry (Continued)

Analysis Batch: 115140 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-10	SSHS-B94-SS	Total/NA	Solid	9014	115113
180-35729-11	SSHS-B96-SS	Total/NA	Solid	9014	115113
180-35729-12	SSHS-B96-0.17-2 (1.5)	Total/NA	Solid	9014	115113
180-35729-13	SSHS-B96-2-6 (4.5)	Total/NA	Solid	9014	115113
180-35729-14	SSHS-B96-6-10 (9.5)	Total/NA	Solid	9014	115113
180-35729-15	SSHS-B96-10-15.5 (12.5)	Total/NA	Solid	9014	115113
180-35729-16	SSHS-B93-SS	Total/NA	Solid	9014	115113
180-35729-17	SSHS-B93-0.17-2 (1.5)	Total/NA	Solid	9014	115113
180-35729-18	SSHS-B93-2-6 (5)	Total/NA	Solid	9014	115113
HLCS 180-115113/2-A	Lab Control Sample	Total/NA	Solid	9014	115113
LCS 180-115113/3-A	Lab Control Sample	Total/NA	Solid	9014	115113
LLCS 180-115113/1-A	Lab Control Sample	Total/NA	Solid	9014	115113
MB 180-115113/4-A	Method Blank	Total/NA	Solid	9014	115113

Prep Batch: 115269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-19	SSHS-B93-6-10 (9.5)	Total/NA	Solid	9010C	
180-35729-19 MS	SSHS-B93-6-10 (9.5)	Total/NA	Solid	9010C	
180-35729-20	SSHS-B93-10-16 (15)	Total/NA	Solid	9010C	
180-35729-21	SSHS-B95-SS	Total/NA	Solid	9010C	
180-35729-22	SSHS-B94-0.17-2 (1)	Total/NA	Solid	9010C	
180-35729-23	SSHS-B94-2-6 (6)	Total/NA	Solid	9010C	
180-35729-24	SSHS-B94-6-10 (7)	Total/NA	Solid	9010C	
180-35729-25	SSHS-B94-10-16 (14)	Total/NA	Solid	9010C	
180-35729-26	DUP-1	Total/NA	Solid	9010C	
180-35729-27	DUP-2	Total/NA	Solid	9010C	
HLCS 180-115269/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-115269/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-115269/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-115269/4-A	Method Blank	Total/NA	Solid	9010C	

Analysis Batch: 115506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-19	SSHS-B93-6-10 (9.5)	Total/NA	Solid	9014	115269
180-35729-19 MS	SSHS-B93-6-10 (9.5)	Total/NA	Solid	9014	115269
180-35729-20	SSHS-B93-10-16 (15)	Total/NA	Solid	9014	115269
180-35729-21	SSHS-B95-SS	Total/NA	Solid	9014	115269
180-35729-22	SSHS-B94-0.17-2 (1)	Total/NA	Solid	9014	115269
180-35729-23	SSHS-B94-2-6 (6)	Total/NA	Solid	9014	115269
180-35729-24	SSHS-B94-6-10 (7)	Total/NA	Solid	9014	115269
180-35729-25	SSHS-B94-10-16 (14)	Total/NA	Solid	9014	115269
180-35729-26	DUP-1	Total/NA	Solid	9014	115269
180-35729-27	DUP-2	Total/NA	Solid	9014	115269
HLCS 180-115269/2-A	Lab Control Sample	Total/NA	Solid	9014	115269
LCS 180-115269/3-A	Lab Control Sample	Total/NA	Solid	9014	115269
LLCS 180-115269/1-A	Lab Control Sample	Total/NA	Solid	9014	115269
MB 180-115269/4-A	Method Blank	Total/NA	Solid	9014	115269

Prep Batch: 115561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-36	20140812-EQUIPMENT BLANK-SOIL	Total/NA	Water	9010C	

General Chemistry (Continued)

Prep Batch: 115561 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-37	20140812-SOURCE BLANK	Total/NA	Water	9010C	
HLCS 180-115561/2-A	Lab Control Sample	Total/NA	Water	9010C	
LCS 180-115561/3-A	Lab Control Sample	Total/NA	Water	9010C	
LLCS 180-115561/1-A	Lab Control Sample	Total/NA	Water	9010C	
MB 180-115561/4-A	Method Blank	Total/NA	Water	9010C	

Analysis Batch: 115631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35729-36	20140812-EQUIPMENT BLANK-SOIL	Total/NA	Water	9014	115561
180-35729-37	20140812-SOURCE BLANK	Total/NA	Water	9014	115561
HLCS 180-115561/2-A	Lab Control Sample	Total/NA	Water	9014	115561
LCS 180-115561/3-A	Lab Control Sample	Total/NA	Water	9014	115561
LLCS 180-115561/1-A	Lab Control Sample	Total/NA	Water	9014	115561
MB 180-115561/4-A	Method Blank	Total/NA	Water	9014	115561

180-35729 Chain of Custody

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 1 of 4
Company: Geosyntec Consultants, Inc.				Job #: 3 Coolers

Address: 10220 Old Columbia Road Suite A
City: Columbia
State, Zip: MD, 21046
Phone:
Email: agray@geosyntec.com
Project Name: Former Sperry Remington Site - North
Site:

Due Date Requested:
TAT Requested (days): Normal
PO #: MN0832
WO #:
Project #: 18013464
SSOW#:

Preservation Codes:

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

Other:

Lab Courier

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B - Metals	Cyanide	8260C - VOCs LL +TICs	8270D - SVOCs LL + TICs	8082A/8081 - PCBs/PEST	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SSHS-B95-0.17-2 (1.5)	8/12/14	1447	C/G	S		N	X	X	X	X	X		Custody Seals
SSHS-B95-2-6 (4)	8/12/14	1452	C/G	S		N	X	X	X	X	X		823853-823855
SSHS-B95-6-10 (8)	8/12/14	1502	C/G	S		N	X	X	X	X	X		
SSHS-B95-6-10 (8) MS/MSD	8/12/14	1502	C/G	S		Y	X	X	X	X	X		
SSHS-B95-10-15 (11.5)	8/12/14	1507	C/G	S		N	X	X	X	X	X		
SSHS-B92-SS	8/12/14	1015	C/G	S		N	X	X	X	X	X		
SSHS-B92-0.17-2 (1)	8/12/14	1018	C/G	S		N	X	X	X	X	X		
SSHS-B92-2-6 (4)	8/12/14	1021	C/G	S		N	X	X	X	X	X		
SSHS-B92-6-10 (9)	8/12/14	1028	C/G	S		N	X	X	X	X	X		
SSHS-B92-10-16 (12)	8/12/14	1038	C/G	S		N	X	X	X	X	X		
SSHS-B94-SS	8/12/14	1134	C/G	S		N	X	X	X	X	X		

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 8/13/14 0700	Company: Geosyntec	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 8-13-14 1310	Company: Express	Received by:	Date/Time: 8/13/14 1310	Company: TA-PGH
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: [✓ Δ Yes] Δ No	Custody Seal No.: Temp 1.9 1.8 2.6 CF=0 1.9, 1.8	Cooler Temperature(s) °C and Other Remarks: 2.6 Therm #5

TestAmerica

Chain of Custody Record

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0935	E-Mail: dave.dunlap@testamericainc.com		Page: Page 2 of 4
Company: Geosyntec Consultants, Inc.				Job #: 3 Coolers
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:

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

Other:

Lab Courier

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B Metals	Cyanide	8260C - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082A/8081 PCBs+PEST	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SSHS-B96-SS	8/12/14	1555	C/G	S		N	X	X	X	X	X		
SSHS-B96-0.17-2 (1.5)	8/12/14	1600	C/G	S			X	X	X	X	X		
SSHS-B96-2-6 (4.5)	8/12/14	1608	C/G	S			X	X	X	X	X		
SSHS-B96-6-10 (9.5)	8/12/14	1615	C/G	S			X	X	X	X	X		
SSHS-B96-10-15.5 (12.5)	8/12/14	1620	C/G	S			X	X	X	X	X		
SSHS-B93-SS	8/12/14	1330	C/G	S			X	X	X	X	X		
SSHS-B93-0.17-2 (1.5)	8/12/14	1334	C/G	S			X	X	X	X	X		
SSHS-B93-2-6 (5)	8/12/14	1341	C/G	S			X	X	X	X	X		
SSHS-B93-6-10 (9.5)	8/12/14	1349	C/G	S			X	X	X	X	X		
SSHS-B93-10-16 (15)	8/12/14	1357	C/G	S			X	X	X	X	X		
SSHS-B95-SS	8/12/14	1440	C/G	S			X	X	X	X	X		

Possible Hazard Identification

☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ________ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 8/13/14 0700	Company: Geosyntec	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time: 8-13-14 1310	Company: Express	Received by:	Date/Time: 8/13/14 1310	Company: TA Pitt
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: Temp 1.8 2.6 1.9 CF=0 1.9 1.8 2.6

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 3 of 4
Company: Geosyntec Consultants, Inc.				Job #: 3 Coolers
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:

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

Other:

Special Instructions/Note: Lab Courier

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B - Metals	Cyanide	8260C - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082A/8081 PCBs/PEST	Total Number of containers	Special Instructions/Note:
			Preservation Code:		☒	☒						☒	
SSHS-B94-0.17-2(1)	8/12/14	1137	C/G	S			X	X	X	X	X		
SSHS-B94-2-6(6)	8/12/14	1141	C/G	S			X	X	X	X	X		
SSHS-B94-6-10(7)	8/12/14	1147	C/G	S			X	X	X	X	X		
SSHS-B94-10-16(14)	8/12/14	1155	C/G	S			X	X	X	X	X		
Dup-1	8/12/14	–	C/G	S			X	X	X	X	X		
Dup-2	8/12/14	–	C/G	S			X	X	X	X	X		
SSHS-B93-GW-18-22	8/12/14	1420	G	W					X				
SSHS-B94-GW-18-22	8/12/14	1227	G	W					X				
SSHS-B92-GW-18-22	8/12/14	1110	G	W					X				
SSHS-B95-GW-18-22	8/12/14	1527	G	W					X				
SSHS-B96-GW-18-22	8/12/14	1641	G	W					X				

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time: 8/13/14 0700	Company: Geosyntec	Received by:	Date/Time:		Company
Relinquished by:	Date/Time: 8-13-14 1310	Company: Express	Received by:	Date/Time: 8/13/14 1310		Company: TA Pgh
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:		Company
Custody Seals Intact: Δ [✓ Yes] Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: Temp 1.9, 1.8, 2.6 CF=0 1.9 1.8 2.6 Therm			

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 4 of 4
Company: Geosyntec Consultants, Inc.		**Analysis Requested**		Job #: 3 coolers
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B - Metals	Cyanide	8260C - VOCs w/TICs	8270D - SVOCs w/TICs	8082A/8081 PCBs/PEST	8015D - TPH-GRO	8015D - TPH-DRO	Total Number of containers	Special Instructions/Note: Lab Courier
			Preservation Code:												
DUP-3-GW	8/12/14	—	G	W					X						
TRIP BLANK	8/12/14	—	—	W					X						
20140812-EQUIPMENT BLANK-GW	8/12/14	1600	G	W					X						
20140812-EQUIPMENT BLANK-SOIL	8/12/14	1653	G	W			X	X	X	X	X				
20140812-SOURCE BLANK	8/12/14	1555	G	W			X	X	X	X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 8/13/14 0700	Company: Geosyntec	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 8-13-14 1310	Company: Express	Received by:	Date/Time: 8/13/14 1310	Company: TA-Pgh
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: Temp 1.9, 1.8, 2.6 CF 0 1.9, 1.8, 2.6 Tw05

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-35729-1

Login Number: 35729

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Kovitch, Christina M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

TestAmerica Job ID: 180-35776-1
Client Project/Site: Former Sperry Remington Site - North

For:
Geosyntec Consultants, Inc.
10220 Old Columbia Road
Suite A
Columbia, Maryland 21046

Attn: Mr. Aron Krasnopoler

Authorized for release by:
8/29/2014 5:21:03 PM

David Dunlap, Senior Project Manager
(412)963-2432
dave.dunlap@testamericainc.com

Table of Contents

Case Narrative

Job ID: 180-35776-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-35776-1

This report contains the results of the first 40 samples listed on the COCs. The remainder of the samples are reported in laboratory job# 180-35776-2.

Receipt

The samples were received on 8/14/2014 1:08 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 1.9º C, 2.3º C, 2.5º C, 3.1º C and 3.2º C.

Sample SSHS-B90-0.17-2 (1) (180-35776-33) had the collection time on the sample containers as 11:34, whereas the COC listed 11:36. The time used for collection was 11:36.

The samples were delivered by Express Courier. The Express Courier personnel did not relinquish the COCs at the time of delivery to the laboratory.

GC/MS VOA

Method 8260C: Sample SSHS-B82-0.17-2 (1.5) (180-35776-13) was analyzed twice. The initial analysis had the internal standard area counts for 1,4-dichlorobenzene-d4 below criteria and surrogate recoveries for toluene-d8 above the control limits and 4-bromofluorobenzene below the control limits. The re-analysis had the internal standard area counts for 1,4-dichlorobenzene-d4 slightly below criteria and all surrogate recoveries within the control limits. Results of both analyses were reported. As the sample was collected in terracore vials, a third analysis could not be completed.

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

GC/MS Semi VOA

Method 8270D: The following samples were diluted due to the nature of the sample matrix: SSHS-B73-10-15 (12.5) (180-35776-27), SSHS-B90-0.17-2 (1) (180-35776-33), and SSHS-91-SS (180-35776-37). Elevated reporting limits (RLs) are provided.

Method 8270D: The following sample was diluted due to abundance of target analytes : SSHS-B90-2-6 (4) (180-35776-34). As such, surrogate recoveries will be considered as estimated and elevated reporting limits (RLs) are provided.

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

GC Semi VOA

Method 8081B: CCV 180-115917/24 was slightly below criteria on column MR-1 for methoxychlor. As the CCV met criteria on column MR-2, results were reported from that column.

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

Metals

Method 6010C: The following sample was diluted to bring the concentration of calcium within the linear range of the instrument: SSHS-B82-10-15 (12.5) (180-35776-16). Elevated reporting limits (RLs) are provided.

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

General Chemistry

Method 9014: The following sample was diluted to bring the concentration of target analytes within the calibration range: SSHS-B85-2-6 (3.5) (180-35776-21). Elevated reporting limits (RLs) are provided.

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

Definitions/Glossary

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
E	Result exceeded calibration range.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-15
California	State Program	9	2891	03-31-15
Connecticut	State Program	1	PH-0688	09-30-14 *
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	01-31-15
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-15
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-15
North Carolina (WW/SW)	State Program	4	434	12-31-14
Pennsylvania	NELAP	3	02-00416	04-30-15
South Carolina	State Program	4	89014	04-30-15
Texas	NELAP	6	T104704528	03-31-15
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P330-10-00139	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-14 *
West Virginia DEP	State Program	3	142	01-31-15
Wisconsin	State Program	5	998027800	08-31-14 *

* Certification renewal pending - certification considered valid.

Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-35776-1	SSHS-B86-0.17-2 (1.5)	Solid	08/13/14 14:58	08/14/14 13:08
180-35776-2	SSHS-B86-2-6 (3.5)	Solid	08/13/14 15:03	08/14/14 13:08
180-35776-3	SSHS-B86-6-10 (8)	Solid	08/13/14 15:15	08/14/14 13:08
180-35776-4	SSHS-B86-10-15 (12.5)	Solid	08/13/14 15:22	08/14/14 13:08
180-35776-5	SSHS-B88-0.17-2 (1)	Solid	08/13/14 13:33	08/14/14 13:08
180-35776-6	SSHS-B88-2-6 (4)	Solid	08/13/14 13:40	08/14/14 13:08
180-35776-7	SSHS-B88-6-10 (8)	Solid	08/13/14 13:45	08/14/14 13:08
180-35776-8	SSHS-B88-10-15 (12.5)	Solid	08/13/14 13:55	08/14/14 13:08
180-35776-9	SSHS-B89-0.17-2 (1)	Solid	08/13/14 14:10	08/14/14 13:08
180-35776-10	SSHS-B89-2-6 (5)	Solid	08/13/14 14:18	08/14/14 13:08
180-35776-11	SSHS-B89-6-10 (7.5)	Solid	08/13/14 14:24	08/14/14 13:08
180-35776-12	SSHS-B89-10-15 (12.5)	Solid	08/13/14 14:30	08/14/14 13:08
180-35776-13	SSHS-B82-0.17-2 (1.5)	Solid	08/13/14 16:50	08/14/14 13:08
180-35776-14	SSHS-B82-2-6 (4)	Solid	08/13/14 16:58	08/14/14 13:08
180-35776-15	SSHS-B82-6-10 (8)	Solid	08/13/14 17:08	08/14/14 13:08
180-35776-16	SSHS-B82-10-15 (12.5)	Solid	08/13/14 17:15	08/14/14 13:08
180-35776-17	SSHS-B83-2-6 (5.5)	Solid	08/13/14 17:45	08/14/14 13:08
180-35776-18	SSHS-B83-6-10 (8)	Solid	08/13/14 17:49	08/14/14 13:08
180-35776-19	SSHS-B83-10-14.5 (12)	Solid	08/13/14 17:54	08/14/14 13:08
180-35776-20	SSHS-B85-0.17-2 (1)	Solid	08/13/14 15:55	08/14/14 13:08
180-35776-21	SSHS-B85-2-6 (3.5)	Solid	08/13/14 16:03	08/14/14 13:08
180-35776-22	SSHS-B85-6-10 (8)	Solid	08/13/14 16:10	08/14/14 13:08
180-35776-23	SSHS-B85-10-15 (12.5)	Solid	08/13/14 16:20	08/14/14 13:08
180-35776-24	SSHS-B73-0.17-2 (1)	Solid	08/13/14 09:50	08/14/14 13:08
180-35776-25	SSHS-B73-2-6 (4)	Solid	08/13/14 10:05	08/14/14 13:08
180-35776-26	SSHS-B73-6-10 (8)	Solid	08/13/14 10:10	08/14/14 13:08
180-35776-27	SSHS-B73-10-15 (12.5)	Solid	08/13/14 10:25	08/14/14 13:08
180-35776-28	SSHS-B74-SS	Solid	08/13/14 09:00	08/14/14 13:08
180-35776-29	SSHS-B74-0.17-2 (1.5)	Solid	08/13/14 09:09	08/14/14 13:08
180-35776-30	SSHS-B74-2-6 (5)	Solid	08/13/14 09:10	08/14/14 13:08
180-35776-31	SSHS-B74-6-10 (7.5)	Solid	08/13/14 09:20	08/14/14 13:08
180-35776-32	SSHS-B74-10-15 (12.5)	Solid	08/13/14 09:29	08/14/14 13:08
180-35776-33	SSHS-B90-0.17-2 (1)	Solid	08/13/14 11:36	08/14/14 13:08
180-35776-34	SSHS-B90-2-6 (4)	Solid	08/13/14 11:40	08/14/14 13:08
180-35776-35	SSHS-B90-6-10 (9)	Solid	08/13/14 11:51	08/14/14 13:08
180-35776-36	SSHS-B90-10-15 (13)	Solid	08/13/14 11:58	08/14/14 13:08
180-35776-37	SSHS-91-SS	Solid	08/13/14 10:43	08/14/14 13:08
180-35776-38	SSHS-91-0.17-2 (1.75)	Solid	08/13/14 10:47	08/14/14 13:08
180-35776-39	SSHS-91-2-6 (5)	Solid	08/13/14 10:53	08/14/14 13:08
180-35776-40	SSHS-91-6-10 (8)	Solid	08/13/14 11:00	08/14/14 13:08

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PIT
8081B	Organochlorine Pesticides (GC)	SW846	TAL PIT
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
6010C	Metals (ICP)	SW846	TAL PIT
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
9014	Cyanide	SW846	TAL PIT

Protocol References:

SM22 = SM22

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B86-0.17-2 (1.5) Lab Sample ID: 180-35776-1

Date Collected: 08/13/14 14:58 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 92.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9408 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.9408 g	5 mL	114924	08/16/14 02:04	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115664	08/22/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115715	08/22/14 12:19	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 12:04	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115949	08/25/14 16:01	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115951	08/25/14 16:33	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	3050B			00001.03 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116139	08/26/14 13:39	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			00000.63 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.63 g	100 mL	115636	08/21/14 15:05	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114863	08/15/14 11:11	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.00 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	115506	08/20/14 09:20	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B86-2-6 (3.5) Lab Sample ID: 180-35776-2

Date Collected: 08/13/14 15:03 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 83.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.1793 g	5 mL	114801	08/15/14 04:00	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.1793 g	5 mL	114794	08/15/14 15:34	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115664	08/22/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115715	08/22/14 12:48	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 12:19	DFE	TAL PIT
	Instrument ID:	CHGC15								

Client Sample ID: SSHS-B86-2-6 (3.5)

Lab Sample ID: 180-35776-2

Date Collected: 08/13/14 15:03

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115949	08/25/14 16:33	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115951	08/25/14 17:06	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	3050B			00001.10 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.10 g	100 mL	116139	08/26/14 13:55	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			00000.62 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.62 g	100 mL	115636	08/21/14 15:06	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114863	08/15/14 11:11	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.01 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	115506	08/20/14 09:20	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B86-6-10 (8)

Lab Sample ID: 180-35776-3

Date Collected: 08/13/14 15:15

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7396 g	5 mL	114801	08/15/14 04:00	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.7396 g	5 mL	114794	08/15/14 07:09	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115664	08/22/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115715	08/22/14 13:17	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115917	08/25/14 12:35	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115949	08/25/14 17:06	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B86-6-10 (8)

Lab Sample ID: 180-35776-3

Date Collected: 08/13/14 15:15
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115951	08/25/14 17:38	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00001.01 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.01 g	100 mL	116139	08/26/14 14:00	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			00000.60 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.60 g	100 mL	115636	08/21/14 15:08	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114863	08/15/14 11:11	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.04 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	115506	08/20/14 09:20	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B86-10-15 (12.5)

Lab Sample ID: 180-35776-4

Date Collected: 08/13/14 15:22
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.3903 g	5 mL	114801	08/15/14 04:00	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.3903 g	5 mL	114794	08/15/14 15:57	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115664	08/22/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115715	08/22/14 14:45	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115917	08/25/14 13:21	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115949	08/25/14 18:43	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115951	08/25/14 19:16	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00001.02 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116139	08/26/14 14:25	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			00000.61 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.61 g	100 mL	115636	08/21/14 15:13	LEM	TAL PIT
	Instrument ID: K									

Lab Chronicle

Client: Geosyntec Consultants, Inc.

TestAmerica Job ID: 180-35776-1

Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B86-10-15 (12.5)

Lab Sample ID: 180-35776-4

Date Collected: 08/13/14 15:22

Matrix: Solid

Date Received: 08/14/14 13:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			114863	08/15/14 11:11	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.98 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	115506	08/20/14 09:28	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B88-0.17-2 (1)

Lab Sample ID: 180-35776-5

Date Collected: 08/13/14 13:33

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4727 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.4727 g	5 mL	114924	08/16/14 02:26	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115664	08/22/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115715	08/22/14 15:14	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115917	08/25/14 13:37	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116038	08/26/14 10:50	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115949	08/25/14 19:16	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115951	08/25/14 19:48	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	3050B			00001.07 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.07 g	100 mL	116139	08/26/14 14:30	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			00000.64 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.64 g	100 mL	115636	08/21/14 15:15	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114863	08/15/14 11:11	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.98 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	115506	08/20/14 09:28	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B88-2-6 (4)

Date Collected: 08/13/14 13:40
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-6
Matrix: Solid
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.5457 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	8.5457 g	5 mL	114924	08/16/14 02:49	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115664	08/22/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115715	08/22/14 15:43	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 13:52	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115949	08/25/14 19:48	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115951	08/25/14 20:20	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00001.07 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.07 g	100 mL	116139	08/26/14 14:35	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			00000.60 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.60 g	100 mL	115636	08/21/14 15:17	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114863	08/15/14 11:11	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.98 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	115506	08/20/14 09:28	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B88-6-10 (8)

Date Collected: 08/13/14 13:45
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-7
Matrix: Solid
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.0764 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.0764 g	5 mL	114924	08/16/14 03:11	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	115664	08/22/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115715	08/22/14 16:13	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115917	08/25/14 14:08	DFE	TAL PIT
	Instrument ID: CHGC15									

Lab Chronicle

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B88-6-10 (8) Lab Sample ID: 180-35776-7

Date Collected: 08/13/14 13:45 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 91.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115949	08/25/14 20:20	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115951	08/25/14 20:53	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	3050B			00001.10 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.10 g	100 mL	116139	08/26/14 14:40	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			00000.62 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.62 g	100 mL	115636	08/21/14 15:18	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114863	08/15/14 11:11	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.04 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	115506	08/20/14 09:28	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B88-10-15 (12.5) Lab Sample ID: 180-35776-8

Date Collected: 08/13/14 13:55 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 87.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.0968 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.0968 g	5 mL	114924	08/16/14 03:33	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115664	08/22/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115715	08/22/14 16:42	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 14:23	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115949	08/25/14 20:53	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B88-10-15 (12.5)

Lab Sample ID: 180-35776-8

Date Collected: 08/13/14 13:55

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115951	08/25/14 21:25	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00001.01 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.01 g	100 mL	116139	08/26/14 14:56	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			00000.61 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.61 g	100 mL	115636	08/21/14 15:24	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114863	08/15/14 11:11	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.02 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	115506	08/20/14 09:28	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B89-0.17-2 (1)

Lab Sample ID: 180-35776-9

Date Collected: 08/13/14 14:10

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.1563 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.1563 g	5 mL	114924	08/16/14 03:56	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	115664	08/22/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.2 g	5.0 mL	115715	08/22/14 17:11	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 14:39	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115949	08/25/14 21:25	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115951	08/25/14 21:57	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00001.08 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116139	08/26/14 15:01	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			00000.65 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.65 g	100 mL	115636	08/21/14 15:26	LEM	TAL PIT
	Instrument ID: K									

Lab Chronicle

Client Sample ID: SSHS-B89-0.17-2 (1)

Lab Sample ID: 180-35776-9

Date Collected: 08/13/14 14:10

Matrix: Solid

Date Received: 08/14/14 13:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			114863	08/15/14 11:11	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.02 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	115506	08/20/14 09:28	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B89-2-6 (5)

Lab Sample ID: 180-35776-10

Date Collected: 08/13/14 14:18

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.2361 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.2361 g	5 mL	114924	08/16/14 04:18	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115664	08/22/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115715	08/22/14 17:40	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 14:54	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115949	08/25/14 21:57	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115951	08/25/14 22:30	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00001.05 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.05 g	100 mL	116139	08/26/14 15:06	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			00000.60 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.60 g	100 mL	115636	08/21/14 15:27	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114863	08/15/14 11:11	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.04 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	115506	08/20/14 09:28	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B89-6-10 (7.5)

Lab Sample ID: 180-35776-11

Date Collected: 08/13/14 14:24
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8101 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.8101 g	5 mL	114924	08/16/14 05:03	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	115664	08/22/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115715	08/22/14 18:09	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 15:10	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115949	08/25/14 22:30	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115951	08/25/14 23:02	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00000.98 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.98 g	100 mL	116139	08/26/14 15:11	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			00000.60 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.60 g	100 mL	115636	08/21/14 15:29	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114863	08/15/14 11:11	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.01 g	50 mL	115269	08/20/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	115506	08/20/14 09:28	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B89-10-15 (12.5)

Lab Sample ID: 180-35776-12

Date Collected: 08/13/14 14:30
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7223 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.7223 g	5 mL	114924	08/16/14 05:26	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	115664	08/22/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115715	08/22/14 18:39	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115917	08/25/14 15:26	DFE	TAL PIT
	Instrument ID: CHGC15									

Lab Chronicle

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-1

Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B89-10-15 (12.5) Lab Sample ID: 180-35776-12

Date Collected: 08/13/14 14:30 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 88.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115949	08/25/14 23:02	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115951	08/25/14 23:34	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00001.14 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.14 g	100 mL	116139	08/26/14 15:16	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			00000.61 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.61 g	100 mL	115636	08/21/14 15:31	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114863	08/15/14 11:11	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.99 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115506	08/20/14 12:50	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B82-0.17-2 (1.5) Lab Sample ID: 180-35776-13

Date Collected: 08/13/14 16:50 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 89.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3102 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.3102 g	5 mL	114924	08/16/14 05:48	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	5035	RA		5.7568 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C	RA	1	5.7568 g	5 mL	114963	08/16/14 17:55	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115664	08/22/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115715	08/22/14 19:08	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 15:41	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115949	08/25/14 23:34	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B82-0.17-2 (1.5)

Lab Sample ID: 180-35776-13

Date Collected: 08/13/14 16:50
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115951	08/26/14 00:07	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	3050B			00001.00 g	100 mL	115461	08/20/14 13:51	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.00 g	100 mL	116139	08/26/14 15:22	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			00000.60 g	100 mL	115584	08/21/14 10:25	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.60 g	100 mL	115636	08/21/14 15:32	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.05 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.05 g	50 mL	115506	08/20/14 12:50	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B82-2-6 (4)

Lab Sample ID: 180-35776-14

Date Collected: 08/13/14 16:58
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6278 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.6278 g	5 mL	114924	08/15/14 23:48	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115860	08/25/14 02:51	FBB	TAL PIT
	Instrument ID:	CH722								
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115917	08/25/14 17:30	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115942	08/25/14 14:14	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3050B			00001.00 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.00 g	100 mL	116139	08/26/14 18:54	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			00000.63 g	100 mL	115583	08/21/14 10:24	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.63 g	100 mL	115636	08/21/14 13:58	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114863	08/15/14 11:11	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT

Lab Chronicle

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B82-2-6 (4) Lab Sample ID: 180-35776-14

Date Collected: 08/13/14 16:58 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 91.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9014		1	.99 g	50 mL	115506	08/20/14 12:50	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B82-6-10 (8) Lab Sample ID: 180-35776-15

Date Collected: 08/13/14 17:08 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 94.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.603 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.603 g	5 mL	114924	08/16/14 06:11	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115664	08/22/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115715	08/22/14 19:37	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115917	08/25/14 15:57	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115949	08/26/14 00:07	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.1 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115951	08/26/14 00:39	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00001.01 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.01 g	100 mL	116139	08/26/14 19:18	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			00000.65 g	100 mL	115583	08/21/14 10:24	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.65 g	100 mL	115636	08/21/14 14:03	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.98 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	115506	08/20/14 12:58	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B82-10-15 (12.5)

Lab Sample ID: 180-35776-16

Date Collected: 08/13/14 17:15
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.4269 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.4269 g	5 mL	114924	08/16/14 06:33	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115664	08/22/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115715	08/22/14 20:06	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 16:12	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115949	08/26/14 00:39	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.0 g	20.0 mL	115781	08/23/14 02:35	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115913	08/25/14 09:46	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115914	08/25/14 09:47	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115951	08/26/14 01:11	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	3050B			00001.02 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116139	08/26/14 19:24	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	3050B			00001.02 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		2	00001.02 g	100 mL	116214	08/27/14 10:04	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			00000.63 g	100 mL	115583	08/21/14 10:24	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.63 g	100 mL	115636	08/21/14 14:05	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.01 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	115506	08/20/14 12:58	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B83-2-6 (5.5)

Lab Sample ID: 180-35776-17

Date Collected: 08/13/14 17:45
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6356 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.6356 g	5 mL	114924	08/16/14 06:56	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115992	08/26/14 06:44	FBB	TAL PIT
	Instrument ID:	CH71								

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

Client Sample ID: SSHS-B83-2-6 (5.5) **Lab Sample ID: 180-35776-17**
Date Collected: 08/13/14 17:45 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 84.1**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 18:17	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115942	08/25/14 15:49	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115944	08/25/14 16:21	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.07 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.07 g	100 mL	116139	08/26/14 19:29	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			00000.62 g	100 mL	115583	08/21/14 10:24	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.62 g	100 mL	115636	08/21/14 14:06	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.01 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	115506	08/20/14 12:58	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B83-6-10 (8) **Lab Sample ID: 180-35776-18**
Date Collected: 08/13/14 17:49 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 91.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5717 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.5717 g	5 mL	114924	08/16/14 07:18	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115992	08/26/14 07:11	FBB	TAL PIT
	Instrument ID: CH71									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 18:33	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115942	08/25/14 16:21	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B83-6-10 (8)

Lab Sample ID: 180-35776-18

Date Collected: 08/13/14 17:49
Date Received: 08/14/14 13:08
Matrix: Solid
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115944	08/25/14 16:53	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00000.98 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.98 g	100 mL	116139	08/26/14 19:44	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			00000.60 g	100 mL	115583	08/21/14 10:24	LEM	TAL PIT
Total/NA	Analysis	7471B		1	00000.60 g	100 mL	115636	08/21/14 14:08	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.98 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	115506	08/20/14 12:58	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B83-10-14.5 (12)

Lab Sample ID: 180-35776-19

Date Collected: 08/13/14 17:54
Date Received: 08/14/14 13:08
Matrix: Solid
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.073 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.073 g	5 mL	114924	08/16/14 07:41	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115992	08/26/14 07:38	FBB	TAL PIT
	Instrument ID: CH71									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 18:48	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115942	08/25/14 16:53	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115944	08/25/14 17:24	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.02 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116139	08/26/14 19:49	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			00000.61 g	100 mL	115583	08/21/14 10:24	LEM	TAL PIT

Client Sample ID: SSHS-B83-10-14.5 (12)

Lab Sample ID: 180-35776-19

Date Collected: 08/13/14 17:54
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		1	00000.61 g	100 mL	115636	08/21/14 14:10	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.03 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	115506	08/20/14 12:58	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B85-0.17-2 (1)

Lab Sample ID: 180-35776-20

Date Collected: 08/13/14 15:55
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9809 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.9809 g	5 mL	114924	08/16/14 08:03	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115860	08/25/14 04:45	FBB	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 19:04	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115942	08/25/14 17:24	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115944	08/25/14 17:56	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.09 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.09 g	100 mL	116139	08/26/14 19:54	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 12:41	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.98 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	115506	08/20/14 12:58	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B85-2-6 (3.5)

Lab Sample ID: 180-35776-21

Date Collected: 08/13/14 16:03
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.2242 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.2242 g	5 mL	114963	08/16/14 17:33	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.2 g	5.0 mL	115860	08/25/14 05:14	FBB	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 19:19	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115942	08/25/14 17:56	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115944	08/25/14 18:27	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.05 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.05 g	100 mL	116139	08/26/14 20:00	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 12:43	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.99 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		10	.99 g	50 mL	115506	08/20/14 13:13	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B85-6-10 (8)

Lab Sample ID: 180-35776-22

Date Collected: 08/13/14 16:10
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.3963 g	5 mL	114925	08/15/14 22:06	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.3963 g	5 mL	114924	08/16/14 08:48	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115860	08/25/14 05:43	FBB	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 19:35	DFE	TAL PIT
	Instrument ID: CHGC15									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B85-6-10 (8)

Date Collected: 08/13/14 16:10
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-22
Matrix: Solid
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115942	08/25/14 18:27	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115944	08/25/14 18:59	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.07 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.07 g	100 mL	116139	08/26/14 20:05	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 12:45	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115506	08/20/14 12:58	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B85-10-15 (12.5)

Date Collected: 08/13/14 16:20
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-23
Matrix: Solid
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4375 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.4375 g	5 mL	114963	08/16/14 18:18	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115860	08/25/14 06:11	FBB	TAL PIT
	Instrument ID:	CH722								
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 19:50	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115942	08/25/14 18:59	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT

Client Sample ID: SSHS-B85-10-15 (12.5)

Lab Sample ID: 180-35776-23

Date Collected: 08/13/14 16:20
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115944	08/25/14 19:30	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.03 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116139	08/26/14 20:10	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 12:46	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115506	08/20/14 13:05	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B73-0.17-2 (1)

Lab Sample ID: 180-35776-24

Date Collected: 08/13/14 09:50
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5643 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.5643 g	5 mL	114963	08/16/14 18:40	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115860	08/25/14 06:39	FBB	TAL PIT
	Instrument ID:	CH722								
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115917	08/25/14 20:06	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115942	08/25/14 19:30	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115944	08/25/14 20:01	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.11 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.11 g	100 mL	116139	08/26/14 20:15	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 12:48	LEM	TAL PIT
	Instrument ID:	K								

Client Sample ID: SSHS-B73-0.17-2 (1)

Lab Sample ID: 180-35776-24

Date Collected: 08/13/14 09:50
Matrix: Solid
Date Received: 08/14/14 13:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.02 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	115506	08/20/14 13:05	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B73-2-6 (4)

Lab Sample ID: 180-35776-25

Date Collected: 08/13/14 10:05
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3.8743 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	3.8743 g	5 mL	114963	08/16/14 15:35	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115881	08/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115902	08/25/14 11:49	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20.0 mL	115772	08/22/14 16:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 23:43	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115772	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115939	08/25/14 12:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115940	08/25/14 12:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115942	08/26/14 03:21	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	115772	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115939	08/25/14 12:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115940	08/25/14 12:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115944	08/26/14 03:52	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.03 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116139	08/26/14 20:20	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 12:50	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.01 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	115506	08/20/14 15:20	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B73-6-10 (8) Lab Sample ID: 180-35776-26

Date Collected: 08/13/14 10:10 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 91.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5441 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.5441 g	5 mL	114963	08/16/14 19:03	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115860	08/25/14 07:08	FBB	TAL PIT
	Instrument ID:	CH722								
Total/NA	Prep	3541			15.2 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20.0 mL	115917	08/25/14 20:21	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.2 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	115942	08/25/14 20:01	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.2 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	115944	08/25/14 20:33	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.99 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116139	08/26/14 20:55	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 12:59	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.04 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	115506	08/20/14 13:05	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B73-10-15 (12.5) Lab Sample ID: 180-35776-27

Date Collected: 08/13/14 10:25 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 89.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.5166 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.5166 g	5 mL	114963	08/16/14 19:26	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		5	15.0 g	5.0 mL	115860	08/25/14 07:37	FBB	TAL PIT
	Instrument ID:	CH722								
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115917	08/25/14 20:37	DFE	TAL PIT
	Instrument ID:	CHGC15								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B73-10-15 (12.5)

Lab Sample ID: 180-35776-27
Date Collected: 08/13/14 10:25
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115942	08/25/14 20:33	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115944	08/25/14 21:04	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.01 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.01 g	100 mL	116139	08/26/14 21:00	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:00	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.04 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	115506	08/20/14 13:05	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B74-SS

Lab Sample ID: 180-35776-28
Date Collected: 08/13/14 09:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 77.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.082 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.082 g	5 mL	114963	08/16/14 19:48	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115860	08/25/14 08:05	FBB	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 20:52	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115942	08/25/14 21:04	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT

Client Sample ID: SSHS-B74-SS

Date Collected: 08/13/14 09:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-28
Matrix: Solid
Percent Solids: 77.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115944	08/25/14 21:36	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.05 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.05 g	100 mL	116139	08/26/14 21:05	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:02	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115506	08/20/14 13:05	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B74-0.17-2 (1.5)

Date Collected: 08/13/14 09:09
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-29
Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.8563 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.8563 g	5 mL	114963	08/16/14 20:10	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115860	08/25/14 08:34	FBB	TAL PIT
	Instrument ID:	CH722								
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 21:08	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115942	08/25/14 21:36	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115944	08/25/14 22:07	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.00 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.00 g	100 mL	116139	08/26/14 21:10	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:04	LEM	TAL PIT
	Instrument ID:	K								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B74-0.17-2 (1.5)

Lab Sample ID: 180-35776-29

Date Collected: 08/13/14 09:09
Date Received: 08/14/14 13:08

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.05 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.05 g	50 mL	115506	08/20/14 13:05	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B74-2-6 (5)

Lab Sample ID: 180-35776-30

Date Collected: 08/13/14 09:10
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.7487 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.7487 g	5 mL	114963	08/16/14 20:33	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115860	08/25/14 09:02	FBB	TAL PIT
	Instrument ID:	CH722								
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115917	08/25/14 21:23	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115942	08/25/14 22:07	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115944	08/25/14 22:38	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.05 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.05 g	100 mL	116139	08/26/14 21:16	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:05	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115506	08/20/14 13:05	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Lab Chronicle

Client Sample ID: SSHS-B74-6-10 (7.5)

Lab Sample ID: 180-35776-31

Date Collected: 08/13/14 09:20
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.4083 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.4083 g	5 mL	114963	08/16/14 21:18	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115860	08/25/14 09:31	FBB	TAL PIT
	Instrument ID:	CH722								
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 21:39	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115942	08/25/14 22:38	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115944	08/25/14 23:10	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.99 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116139	08/26/14 21:21	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:07	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.01 g	50 mL	115397	08/20/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	115506	08/20/14 13:05	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B74-10-15 (12.5)

Lab Sample ID: 180-35776-32

Date Collected: 08/13/14 09:29
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0217 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.0217 g	5 mL	114963	08/16/14 21:41	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115992	08/26/14 08:05	FBB	TAL PIT
	Instrument ID:	CH71								
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115917	08/25/14 21:54	DFE	TAL PIT
	Instrument ID:	CHGC15								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B74-10-15 (12.5)

Lab Sample ID: 180-35776-32

Date Collected: 08/13/14 09:29
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115942	08/25/14 23:10	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115944	08/25/14 23:41	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.00 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.00 g	100 mL	116139	08/26/14 21:26	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:09	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.02 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	115506	08/20/14 15:20	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B90-0.17-2 (1)

Lab Sample ID: 180-35776-33

Date Collected: 08/13/14 11:36
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.9152 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	8.9152 g	5 mL	114963	08/16/14 22:03	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		5	15.0 g	5.0 mL	115992	08/26/14 08:31	FBB	TAL PIT
	Instrument ID:	CH71								
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 22:10	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115942	08/26/14 01:16	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B90-0.17-2 (1)

Lab Sample ID: 180-35776-33

Date Collected: 08/13/14 11:36
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115944	08/26/14 01:47	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.08 g	100 mL	115463	08/20/14 13:59	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116139	08/26/14 21:31	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:10	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.97 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.97 g	50 mL	115506	08/20/14 15:20	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B90-2-6 (4)

Lab Sample ID: 180-35776-34

Date Collected: 08/13/14 11:40
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9809 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.9809 g	5 mL	114963	08/16/14 22:25	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541	DL		15.0 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D	DL	20	15.0 g	5.0 mL	115992	08/26/14 08:58	FBB	TAL PIT
	Instrument ID: CH71									
Total/NA	Prep	3541			15.0 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115860	08/25/14 10:56	FBB	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/25/14 22:57	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115942	08/26/14 01:47	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115944	08/26/14 02:18	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.01 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.01 g	100 mL	116214	08/27/14 07:41	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT

Client Sample ID: SSHS-B90-2-6 (4)

Lab Sample ID: 180-35776-34

Date Collected: 08/13/14 11:40
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:12	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115506	08/20/14 15:27	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B90-6-10 (9)

Lab Sample ID: 180-35776-35

Date Collected: 08/13/14 11:51
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.2659 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.2659 g	5 mL	114963	08/16/14 22:48	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115860	08/25/14 11:25	FBB	TAL PIT
	Instrument ID:	CH722								
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115917	08/25/14 23:12	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115942	08/26/14 02:18	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115944	08/26/14 02:50	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.02 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116214	08/27/14 07:46	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:18	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.03 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	115506	08/20/14 15:27	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B90-10-15 (13)

Lab Sample ID: 180-35776-36

Date Collected: 08/13/14 11:58

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7449 g	5 mL	115034	08/18/14 04:22	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.7449 g	5 mL	115020	08/18/14 09:47	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115780	08/23/14 02:20	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115992	08/26/14 09:24	FBB	TAL PIT
	Instrument ID:	CH71								
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115917	08/25/14 23:28	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115942	08/26/14 02:50	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	115782	08/23/14 02:50	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115925	08/25/14 10:23	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115926	08/25/14 10:25	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115944	08/26/14 03:21	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.96 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.96 g	100 mL	116214	08/27/14 07:51	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:19	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.01 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	115506	08/20/14 15:27	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-91-SS

Lab Sample ID: 180-35776-37

Date Collected: 08/13/14 10:43

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 74.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.7682 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.7682 g	5 mL	114963	08/16/14 23:33	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115881	08/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D		2	15.0 g	5.0 mL	115902	08/25/14 13:13	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.1 g	20.0 mL	115772	08/22/14 16:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115917	08/26/14 00:30	DFE	TAL PIT
	Instrument ID:	CHGC15								

Lab Chronicle

Client Sample ID: SSHS-91-SS

Lab Sample ID: 180-35776-37

Date Collected: 08/13/14 10:43

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 74.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	115772	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115939	08/25/14 12:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115940	08/25/14 12:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115942	08/26/14 04:55	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.1 g	20.0 mL	115772	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115939	08/25/14 12:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115940	08/25/14 12:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115944	08/26/14 05:27	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.02 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116214	08/27/14 07:56	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:21	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.00 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	115506	08/20/14 15:27	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-91-0.17-2 (1.75)

Lab Sample ID: 180-35776-38

Date Collected: 08/13/14 10:47

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.0303 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.0303 g	5 mL	114963	08/16/14 23:55	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	115881	08/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115902	08/25/14 13:41	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	115772	08/22/14 16:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	115917	08/26/14 00:45	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115772	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115939	08/25/14 12:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115940	08/25/14 12:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115942	08/26/14 05:27	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	115772	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115939	08/25/14 12:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115940	08/25/14 12:08	DFE	TAL PIT

Client Sample ID: SSHS-91-0.17-2 (1.75)

Lab Sample ID: 180-35776-38

Date Collected: 08/13/14 10:47
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115944	08/26/14 05:58	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.12 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.12 g	100 mL	116214	08/27/14 08:01	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115922	08/25/14 10:10	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:23	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.00 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	115506	08/20/14 15:27	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-91-2-6 (5)

Lab Sample ID: 180-35776-39

Date Collected: 08/13/14 10:53
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0936 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.0936 g	5 mL	114963	08/17/14 00:18	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115881	08/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115902	08/25/14 14:08	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.2 g	20.0 mL	115772	08/22/14 16:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20.0 mL	115917	08/26/14 01:01	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.2 g	20.0 mL	115772	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115939	08/25/14 12:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115940	08/25/14 12:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	115942	08/26/14 05:58	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.2 g	20.0 mL	115772	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115939	08/25/14 12:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115940	08/25/14 12:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	115944	08/26/14 06:30	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.99 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116214	08/27/14 08:07	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:28	LEM	TAL PIT
	Instrument ID:	K								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-91-2-6 (5)

Lab Sample ID: 180-35776-39

Date Collected: 08/13/14 10:53
Date Received: 08/14/14 13:08

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.02 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	115506	08/20/14 15:27	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-91-6-10 (8)

Lab Sample ID: 180-35776-40

Date Collected: 08/13/14 11:00
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9787 g	5 mL	114966	08/16/14 12:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.9787 g	5 mL	114963	08/17/14 00:40	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115881	08/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115902	08/25/14 14:36	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.2 g	20.0 mL	115772	08/22/14 16:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20.0 mL	115917	08/26/14 01:16	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.2 g	20.0 mL	115772	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115939	08/25/14 12:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115940	08/25/14 12:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	115942	08/26/14 06:30	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.2 g	20.0 mL	115772	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115939	08/25/14 12:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115940	08/25/14 12:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	115944	08/26/14 07:01	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.00 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.00 g	100 mL	116214	08/27/14 08:12	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:30	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.03 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	115506	08/20/14 15:56	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Analyst References:

Lab: TAL PIT

Batch Type: Cleanup

DFE = David Eppinger

Batch Type: Prep

CBY = Charles Yushinski

KLG = Kathy Gordon

LEM = Lauren McGrath

PGJ = Paul Johnson

RJR = Ron Rosenbaum

Batch Type: Analysis

AJB = Amanda Brunick

AKG = Ashok Gupta

DFE = David Eppinger

FBB = Frank Bungard

KLG = Kathy Gordon

LEM = Lauren McGrath

PGJ = Paul Johnson

RJG = Rob Good

VVP = Vincent Piccolino

Client Sample ID: SSHS-B86-0.17-2 (1.5)

Lab Sample ID: 180-35776-1

Date Collected: 08/13/14 14:58
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 92.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	5.5	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Benzene	ND		5.5	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Bromoform	ND		5.5	0.49	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Bromomethane	ND		5.5	0.81	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
2-Butanone (MEK)	ND		5.5	0.97	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Carbon disulfide	ND		5.5	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Carbon tetrachloride	ND		5.5	0.49	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Chlorobenzene	ND		5.5	0.83	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Chlorobromomethane	ND		5.5	0.76	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Chlorodibromomethane	ND		5.5	0.78	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Chloroethane	ND		5.5	1.7	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Chloroform	ND		5.5	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Chloromethane	ND		5.5	0.93	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
cis-1,2-Dichloroethene	ND		5.5	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
cis-1,3-Dichloropropene	ND		5.5	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Cyclohexane	ND		5.5	0.41	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
1,2-Dibromo-3-Chloropropane	ND		5.5	0.82	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
1,2-Dibromoethane	ND		5.5	0.95	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
1,2-Dichlorobenzene	ND		5.5	0.88	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
1,3-Dichlorobenzene	ND		5.5	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
1,4-Dichlorobenzene	ND		5.5	0.70	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Dichlorobromomethane	ND		5.5	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Dichlorodifluoromethane	ND		5.5	0.73	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
1,1-Dichloroethane	ND		5.5	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
1,2-Dichloroethane	ND		5.5	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
1,1-Dichloroethene	ND		5.5	0.93	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
1,2-Dichloropropane	ND		5.5	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
1,4-Dioxane	ND		1100	300	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Ethylbenzene	ND		5.5	0.71	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
2-Hexanone	ND		5.5	0.76	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Isopropylbenzene	ND		5.5	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Methyl acetate	ND		5.5	0.99	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Methylcyclohexane	ND		5.5	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Methylene Chloride	ND		5.5	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Methyl tert-butyl ether	ND		5.5	0.82	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
o-Xylene	ND		5.5	0.85	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Styrene	ND		5.5	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
1,1,2,2-Tetrachloroethane	ND		5.5	0.79	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Tetrachloroethene	ND		5.5	0.75	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Toluene	ND		5.5	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
trans-1,2-Dichloroethene	ND		5.5	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
trans-1,3-Dichloropropene	ND		5.5	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
1,2,3-Trichlorobenzene	ND		5.5	0.93	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
1,2,4-Trichlorobenzene	ND		5.5	0.97	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
1,1,1-Trichloroethane	ND		5.5	0.53	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
1,1,2-Trichloroethane	ND		5.5	0.91	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Trichloroethene	ND		5.5	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1

Client Sample ID: SSHS-B86-0.17-2 (1.5)
Date Collected: 08/13/14 14:58
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-1
Matrix: Solid
Percent Solids: 92.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		5.5	1.0	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1
Vinyl chloride	ND		5.5	0.52	ug/Kg	☼	08/15/14 22:06	08/16/14 02:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/16/14 02:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*08/15/14 22:06*	*08/16/14 02:04*	*1*
Dibromofluoromethane (Surr)	*113*		*68 - 121*	*08/15/14 22:06*	*08/16/14 02:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*52 - 124*	*08/15/14 22:06*	*08/16/14 02:04*	*1*
Toluene-d8 (Surr)	*119*		*72 - 127*	*08/15/14 22:06*	*08/16/14 02:04*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	6.9	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Acenaphthylene	**23**	**J**	72	8.2	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Acetophenone	ND		360	30	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Anthracene	**20**	**J**	72	7.0	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Atrazine	ND		360	35	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Benzaldehyde	ND		360	54	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Benzo[a]anthracene	**100**		72	9.0	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Benzo[a]pyrene	**96**		72	7.2	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Benzo[b]fluoranthene	**130**		72	11	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Benzo[g,h,i]perylene	**120**		72	7.1	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Benzo[k]fluoranthene	**57**	**J**	72	15	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Bis(2-chloroethyl)ether	ND		72	9.6	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
4-Bromophenyl phenyl ether	ND		360	31	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Butyl benzyl phthalate	ND		360	49	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Carbazole	**9.7**	**J**	72	6.6	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
2-Chloronaphthalene	ND		72	7.5	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
2-Chlorophenol	ND		360	29	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Chrysene	**120**		72	8.6	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Dibenz(a,h)anthracene	**32**	**J**	72	8.0	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Dibenzofuran	ND		360	35	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Diethyl phthalate	**50**	**J**	360	39	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
2,4-Dimethylphenol	ND		360	56	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Dimethyl phthalate	ND		360	39	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Di-n-butyl phthalate	ND		360	45	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1

Client Sample ID: SSHS-B86-0.17-2 (1.5) **Lab Sample ID: 180-35776-1**
Date Collected: 08/13/14 14:58 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 92.2**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
2,6-Dinitrotoluene	ND		360	37	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Fluoranthene	**150**		72	7.7	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Fluorene	ND		72	9.5	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Hexachlorobenzene	ND		72	7.7	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Indeno[1,2,3-cd]pyrene	**99**		72	7.4	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Isophorone	ND		360	27	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
2-Methylnaphthalene	**31**	**J**	72	6.5	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Methylphenol, 3 & 4	ND		360	35	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Naphthalene	**75**		72	6.2	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
4-Nitroaniline	ND		1800	150	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
N-Nitrosodiphenylamine	ND		360	33	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
2,2'-oxybis[1-chloropropane]	ND		72	7.8	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Pentachlorophenol	ND		360	32	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Phenanthrene	**75**		72	11	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Phenol	ND		72	8.5	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
Pyrene	**160**		72	7.3	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
1,2,4,5-Tetrachlorobenzene	ND		360	27	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
2,4,5-Trichlorophenol	ND		360	38	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/22/14 02:20	08/22/14 12:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 02:20*	*08/22/14 12:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*35 - 105*	*08/22/14 02:20*	*08/22/14 12:19*	*1*
2-Fluorophenol (Surr)	*73*		*39 - 103*	*08/22/14 02:20*	*08/22/14 12:19*	*1*
Nitrobenzene-d5 (Surr)	*78*		*25 - 104*	*08/22/14 02:20*	*08/22/14 12:19*	*1*
Phenol-d5 (Surr)	*72*		*25 - 105*	*08/22/14 02:20*	*08/22/14 12:19*	*1*
Terphenyl-d14 (Surr)	*84*		*25 - 127*	*08/22/14 02:20*	*08/22/14 12:19*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*35 - 124*	*08/22/14 02:20*	*08/22/14 12:19*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
alpha-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1

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

Client Sample ID: SSHS-B86-0.17-2 (1.5) Lab Sample ID: 180-35776-1

Date Collected: 08/13/14 14:58 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 92.2**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.8	0.47	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
4,4'-DDD	ND		1.8	0.24	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
delta-BHC	ND		1.8	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
gamma-BHC (Lindane)	ND		1.8	0.32	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
gamma-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1
Toxaphene	ND		73	12	ug/Kg	☼	08/23/14 02:35	08/25/14 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*08/23/14 02:35*	*08/25/14 12:04*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/23/14 02:35*	*08/25/14 12:04*	*1*
Tetrachloro-m-xylene	*93*		*45 - 130*	*08/23/14 02:35*	*08/25/14 12:04*	*1*
Tetrachloro-m-xylene	*88*		*45 - 130*	*08/23/14 02:35*	*08/25/14 12:04*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/23/14 02:35	08/25/14 16:33	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/23/14 02:35	08/25/14 16:33	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/23/14 02:35	08/25/14 16:33	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/23/14 02:35	08/25/14 16:33	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/23/14 02:35	08/25/14 16:33	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/23/14 02:35	08/25/14 16:33	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/23/14 02:35	08/25/14 16:33	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/23/14 02:35	08/25/14 16:33	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/23/14 02:35	08/25/14 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/23/14 02:35*	*08/25/14 16:01*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*	*08/23/14 02:35*	*08/25/14 16:33*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*	*08/23/14 02:35*	*08/25/14 16:01*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*45 - 135*	*08/23/14 02:35*	*08/25/14 16:33*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5200**		21	2.2	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Antimony	ND		1.1	0.21	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Arsenic	**5.0**		1.1	0.32	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Barium	**40**		21	0.013	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Beryllium	**0.26**	**J**	0.42	0.012	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1

Client Sample ID: SSHS-B86-0.17-2 (1.5)

Lab Sample ID: 180-35776-1

Date Collected: 08/13/14 14:58

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 92.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.082**	**J B**	0.53	0.015	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Calcium	**19000**		530	1.6	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Chromium	**6.4**		0.53	0.081	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Cobalt	**5.3**		5.3	0.044	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Copper	**28**		2.6	0.15	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Iron	**13000**		11	0.93	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Lead	**18**		1.1	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Magnesium	**4000**		530	2.2	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Manganese	**460**		1.6	0.094	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Nickel	**12**	**B**	4.2	0.050	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Potassium	**380**	**J B**	530	6.7	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Selenium	**0.45**	**J**	1.1	0.28	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Silver	ND		0.53	0.043	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Sodium	**240**	**J B**	530	1.1	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Vanadium	**8.7**		5.3	0.18	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1
Zinc	**51**	**B**	2.1	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 13:39	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.018**	**J**	0.034	0.011	mg/Kg	☼	08/21/14 10:25	08/21/14 15:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.8**		0.10	0.10	%			08/15/14 11:11	1
Percent Solids	**92**		0.10	0.10	%			08/15/14 11:11	1
Cyanide, Total	**0.30**	**J**	0.54	0.16	mg/Kg	☼	08/20/14 07:00	08/20/14 09:20	1

Client Sample ID: SSHS-B86-2-6 (3.5)

Lab Sample ID: 180-35776-2

Date Collected: 08/13/14 15:03

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 83.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.9	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Benzene	ND		4.9	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Bromoform	ND		4.9	0.43	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Bromomethane	ND		4.9	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
2-Butanone (MEK)	ND		4.9	0.86	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Carbon disulfide	ND		4.9	0.50	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Carbon tetrachloride	ND		4.9	0.43	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Chlorobenzene	ND		4.9	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Chlorobromomethane	ND		4.9	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Chlorodibromomethane	ND		4.9	0.69	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Chloroethane	ND		4.9	1.5	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Chloroform	ND		4.9	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Chloromethane	ND		4.9	0.83	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
cis-1,2-Dichloroethene	ND		4.9	0.68	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
cis-1,3-Dichloropropene	ND		4.9	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Cyclohexane	ND		4.9	0.36	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1

Client Sample ID: SSHS-B86-2-6 (3.5) **Lab Sample ID: 180-35776-2**

Date Collected: 08/13/14 15:03 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 83.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.9	0.73	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
1,2-Dibromoethane	ND		4.9	0.84	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
1,2-Dichlorobenzene	ND		4.9	0.78	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
1,3-Dichlorobenzene	ND		4.9	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
1,4-Dichlorobenzene	ND		4.9	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Dichlorobromomethane	ND		4.9	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Dichlorodifluoromethane	ND		4.9	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
1,1-Dichloroethane	ND		4.9	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
1,2-Dichloroethane	ND		4.9	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
1,1-Dichloroethene	ND		4.9	0.83	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
1,2-Dichloropropane	ND		4.9	0.53	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
1,4-Dioxane	ND		970	270	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Ethylbenzene	ND		4.9	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
2-Hexanone	ND		4.9	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Isopropylbenzene	ND		4.9	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Methyl acetate	ND		4.9	0.88	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Methylcyclohexane	ND		4.9	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Methylene Chloride	ND		4.9	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Methyl tert-butyl ether	ND		4.9	0.73	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
m-Xylene & p-Xylene	ND		9.7	1.4	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
o-Xylene	ND		4.9	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Styrene	ND		4.9	0.69	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.70	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Tetrachloroethene	ND		4.9	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Toluene	ND		4.9	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
trans-1,2-Dichloroethene	ND		4.9	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
trans-1,3-Dichloropropene	ND		4.9	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
1,2,3-Trichlorobenzene	ND		4.9	0.82	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
1,2,4-Trichlorobenzene	ND		4.9	0.86	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
1,1,1-Trichloroethane	ND		4.9	0.47	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
1,1,2-Trichloroethane	ND		4.9	0.81	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Trichloroethene	ND		4.9	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Trichlorofluoromethane	ND		4.9	0.89	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.0	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1
Vinyl chloride	ND		4.9	0.46	ug/Kg	☼	08/15/14 04:00	08/15/14 15:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 04:00*	*08/15/14 15:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*63 - 120*	*08/15/14 04:00*	*08/15/14 15:34*	*1*
Dibromofluoromethane (Surr)	*110*		*68 - 121*	*08/15/14 04:00*	*08/15/14 15:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*52 - 124*	*08/15/14 04:00*	*08/15/14 15:34*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/15/14 04:00*	*08/15/14 15:34*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		81	7.7	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Acenaphthylene	ND		81	9.2	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1

Client Sample Results

Client Sample ID: SSHS-B86-2-6 (3.5)
Date Collected: 08/13/14 15:03
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-2
Matrix: Solid
Percent Solids: 83.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		400	33	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Anthracene	ND		81	7.8	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Atrazine	ND		400	39	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Benzaldehyde	ND		400	60	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Benzo[a]anthracene	ND		81	10	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Benzo[a]pyrene	ND		81	8.0	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Benzo[b]fluoranthene	ND		81	13	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Benzo[g,h,i]perylene	ND		81	8.0	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Benzo[k]fluoranthene	ND		81	16	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
1,1'-Biphenyl	ND		400	36	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Bis(2-chloroethoxy)methane	ND		400	26	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Bis(2-chloroethyl)ether	ND		81	11	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Bis(2-ethylhexyl) phthalate	ND		810	65	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
4-Bromophenyl phenyl ether	ND		400	35	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Butyl benzyl phthalate	ND		400	55	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Caprolactam	ND		2000	300	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Carbazole	ND		81	7.4	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
4-Chloroaniline	ND		400	32	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
4-Chloro-3-methylphenol	ND		400	37	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
2-Chloronaphthalene	ND		81	8.4	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
2-Chlorophenol	ND		400	33	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
4-Chlorophenyl phenyl ether	ND		400	45	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Chrysene	ND		81	9.5	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Dibenz(a,h)anthracene	ND		81	8.9	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Dibenzofuran	ND		400	39	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
3,3'-Dichlorobenzidine	ND		400	42	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
2,4-Dichlorophenol	ND		81	8.0	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Diethyl phthalate	ND		400	44	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
2,4-Dimethylphenol	ND		400	63	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Dimethyl phthalate	ND		400	44	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Di-n-butyl phthalate	ND		400	50	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
2,4-Dinitrophenol	ND		2000	480	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
2,4-Dinitrotoluene	ND		400	32	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
2,6-Dinitrotoluene	ND		400	41	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Di-n-octyl phthalate	ND		400	42	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
1,4-Dioxane	ND		810	46	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Fluoranthene	ND		81	8.6	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Fluorene	ND		81	11	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Hexachlorobenzene	ND		81	8.5	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Hexachlorobutadiene	ND		81	9.0	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Hexachlorocyclopentadiene	ND		400	43	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Hexachloroethane	ND		400	29	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Indeno[1,2,3-cd]pyrene	ND		81	8.3	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Isophorone	ND		400	30	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
2-Methylnaphthalene	ND		81	7.2	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
2-Methylphenol	ND		400	28	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Methylphenol, 3 & 4	ND		400	39	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Naphthalene	ND		81	6.9	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1

Client Sample ID: SSHS-B86-2-6 (3.5)
Lab Sample ID: 180-35776-2
Date Collected: 08/13/14 15:03
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 83.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
3-Nitroaniline	ND		2000	170	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Nitrobenzene	ND		810	33	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
2-Nitrophenol	ND		400	44	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
4-Nitrophenol	ND		2000	150	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
N-Nitrosodi-n-propylamine	ND		81	9.4	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
N-Nitrosodiphenylamine	ND		400	37	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
2,2'-oxybis[1-chloropropane]	ND		81	8.7	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Pentachlorophenol	ND		400	36	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Phenanthrene	ND		81	13	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Phenol	ND		81	9.5	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
Pyrene	ND		81	8.1	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
1,2,4,5-Tetrachlorobenzene	ND		400	30	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
2,3,4,6-Tetrachlorophenol	ND		400	26	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
2,4,5-Trichlorophenol	ND		400	43	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1
2,4,6-Trichlorophenol	ND		400	60	ug/Kg	☼	08/22/14 02:20	08/22/14 12:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 02:20*	*08/22/14 12:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*35 - 105*	*08/22/14 02:20*	*08/22/14 12:48*	*1*
2-Fluorophenol (Surr)	*76*		*39 - 103*	*08/22/14 02:20*	*08/22/14 12:48*	*1*
Nitrobenzene-d5 (Surr)	*78*		*25 - 104*	*08/22/14 02:20*	*08/22/14 12:48*	*1*
Phenol-d5 (Surr)	*73*		*25 - 105*	*08/22/14 02:20*	*08/22/14 12:48*	*1*
Terphenyl-d14 (Surr)	*83*		*25 - 127*	*08/22/14 02:20*	*08/22/14 12:48*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*35 - 124*	*08/22/14 02:20*	*08/22/14 12:48*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
alpha-BHC	ND		2.0	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
alpha-Chlordane	ND		2.0	0.40	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
beta-BHC	ND		2.0	0.52	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
4,4'-DDD	ND		2.0	0.26	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
4,4'-DDE	ND		2.0	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
4,4'-DDT	ND		2.0	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
delta-BHC	ND		2.0	0.31	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
Dieldrin	ND		2.0	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
Endosulfan I	ND		2.0	0.38	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
Endosulfan II	ND		2.0	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
Endosulfan sulfate	ND		2.0	0.21	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
Endrin	ND		2.0	0.39	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
Endrin aldehyde	ND		2.0	0.39	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
Endrin ketone	ND		2.0	0.31	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
gamma-BHC (Lindane)	ND		2.0	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
gamma-Chlordane	ND		2.0	0.40	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
Heptachlor	ND		2.0	0.45	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
Heptachlor epoxide	ND		2.0	0.39	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B86-2-6 (3.5) **Lab Sample ID: 180-35776-2**
Date Collected: 08/13/14 15:03 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 83.2**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	ND		4.0	0.42	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1
Toxaphene	ND		81	13	ug/Kg	☼	08/23/14 02:35	08/25/14 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/23/14 02:35*	*08/25/14 12:19*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/23/14 02:35*	*08/25/14 12:19*	*1*
Tetrachloro-m-xylene	*85*		*45 - 130*	*08/23/14 02:35*	*08/25/14 12:19*	*1*
Tetrachloro-m-xylene	*82*		*45 - 130*	*08/23/14 02:35*	*08/25/14 12:19*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	3.0	ug/Kg	☼	08/23/14 02:35	08/25/14 17:06	1
PCB-1221	ND		20	3.8	ug/Kg	☼	08/23/14 02:35	08/25/14 17:06	1
PCB-1232	ND		20	3.4	ug/Kg	☼	08/23/14 02:35	08/25/14 17:06	1
PCB-1242	ND		20	3.3	ug/Kg	☼	08/23/14 02:35	08/25/14 17:06	1
PCB-1248	ND		20	1.9	ug/Kg	☼	08/23/14 02:35	08/25/14 17:06	1
PCB-1254	ND		20	2.8	ug/Kg	☼	08/23/14 02:35	08/25/14 17:06	1
PCB-1260	ND		20	2.8	ug/Kg	☼	08/23/14 02:35	08/25/14 17:06	1
PCB-1262	ND		20	4.4	ug/Kg	☼	08/23/14 02:35	08/25/14 17:06	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/23/14 02:35	08/25/14 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/23/14 02:35*	*08/25/14 16:33*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/23/14 02:35*	*08/25/14 17:06*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*45 - 135*	*08/23/14 02:35*	*08/25/14 16:33*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*45 - 135*	*08/23/14 02:35*	*08/25/14 17:06*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		22	2.3	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Antimony	**0.36**	**J**	1.1	0.22	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Arsenic	**6.8**		1.1	0.33	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Barium	**120**		22	0.014	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Beryllium	**0.51**		0.44	0.012	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Cadmium	**0.080**	**J B**	0.55	0.016	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Calcium	**1400**		550	1.6	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Chromium	**12**		0.55	0.084	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Cobalt	**8.6**		5.5	0.046	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Copper	**13**		2.7	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Iron	**19000**		11	0.97	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Lead	**15**		1.1	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Magnesium	**2700**		550	2.3	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Manganese	**620**		1.6	0.097	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Nickel	**17**	**B**	4.4	0.052	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Potassium	**580**	**B**	550	7.0	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Selenium	**0.62**	**J**	1.1	0.29	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Silver	ND		0.55	0.044	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Sodium	**350**	**J B**	550	1.2	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Thallium	**0.24**	**J**	2.2	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1
Vanadium	**16**		5.5	0.19	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1

Client Sample ID: SSHS-B86-2-6 (3.5)

Lab Sample ID: 180-35776-2

Date Collected: 08/13/14 15:03
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 83.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	**59**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 13:55	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.019**	**J**	0.038	0.013	mg/Kg	☼	08/21/14 10:25	08/21/14 15:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		0.10	0.10	%			08/15/14 11:11	1
Percent Solids	**83**		0.10	0.10	%			08/15/14 11:11	1
Cyanide, Total	ND		0.60	0.17	mg/Kg	☼	08/20/14 07:00	08/20/14 09:20	1

Client Sample ID: SSHS-B86-6-10 (8)

Lab Sample ID: 180-35776-3

Date Collected: 08/13/14 15:15
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 89.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.9	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Benzene	ND		4.9	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Bromoform	ND		4.9	0.43	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Bromomethane	ND		4.9	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
2-Butanone (MEK)	ND		4.9	0.86	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Carbon disulfide	ND		4.9	0.50	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Carbon tetrachloride	ND		4.9	0.44	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Chlorobenzene	ND		4.9	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Chlorobromomethane	ND		4.9	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Chlorodibromomethane	ND		4.9	0.69	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Chloroethane	ND		4.9	1.5	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Chloroform	ND		4.9	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Chloromethane	ND		4.9	0.83	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
cis-1,2-Dichloroethene	ND		4.9	0.69	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
cis-1,3-Dichloropropene	ND		4.9	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Cyclohexane	ND		4.9	0.36	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
1,2-Dibromo-3-Chloropropane	ND		4.9	0.73	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
1,2-Dibromoethane	ND		4.9	0.84	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
1,2-Dichlorobenzene	ND		4.9	0.78	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
1,3-Dichlorobenzene	ND		4.9	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
1,4-Dichlorobenzene	ND		4.9	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Dichlorobromomethane	ND		4.9	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Dichlorodifluoromethane	ND		4.9	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
1,1-Dichloroethane	ND		4.9	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
1,2-Dichloroethane	ND		4.9	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
1,1-Dichloroethene	ND		4.9	0.83	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
1,2-Dichloropropane	ND		4.9	0.53	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
1,4-Dioxane	ND		970	270	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Ethylbenzene	ND		4.9	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
2-Hexanone	ND		4.9	0.67	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Isopropylbenzene	ND		4.9	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Methyl acetate	ND		4.9	0.88	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1

Client Sample ID: SSHS-B86-6-10 (8)
Date Collected: 08/13/14 15:15
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-3
Matrix: Solid
Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		4.9	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Methylene Chloride	ND		4.9	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Methyl tert-butyl ether	ND		4.9	0.73	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
m-Xylene & p-Xylene	ND		9.7	1.4	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
o-Xylene	ND		4.9	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Styrene	ND		4.9	0.69	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.70	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Tetrachloroethene	ND		4.9	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Toluene	ND		4.9	0.71	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
trans-1,2-Dichloroethene	ND		4.9	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
trans-1,3-Dichloropropene	ND		4.9	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
1,2,3-Trichlorobenzene	ND		4.9	0.82	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
1,2,4-Trichlorobenzene	ND		4.9	0.86	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
1,1,1-Trichloroethane	ND		4.9	0.47	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
1,1,2-Trichloroethane	ND		4.9	0.81	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Trichloroethene	ND		4.9	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Trichlorofluoromethane	ND		4.9	0.90	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.0	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1
Vinyl chloride	ND		4.9	0.46	ug/Kg	☼	08/15/14 04:00	08/15/14 07:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 04:00*	*08/15/14 07:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*63 - 120*	*08/15/14 04:00*	*08/15/14 07:09*	*1*
Dibromofluoromethane (Surr)	*112*		*68 - 121*	*08/15/14 04:00*	*08/15/14 07:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*52 - 124*	*08/15/14 04:00*	*08/15/14 07:09*	*1*
Toluene-d8 (Surr)	*101*		*72 - 127*	*08/15/14 04:00*	*08/15/14 07:09*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	7.2	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Acenaphthylene	ND		75	8.5	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Acetophenone	ND		370	31	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Anthracene	ND		75	7.3	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Atrazine	ND		370	36	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Benzo[a]anthracene	ND		75	9.4	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Benzo[a]pyrene	ND		75	7.5	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Benzo[b]fluoranthene	ND		75	12	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Benzo[g,h,i]perylene	ND		75	7.4	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Benzo[k]fluoranthene	ND		75	15	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Bis(2-ethylhexyl) phthalate	ND		750	60	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1

Client Sample Results

Client Sample ID: SSHS-B86-6-10 (8)
Lab Sample ID: 180-35776-3
Date Collected: 08/13/14 15:15
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 89.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		75	6.9	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
2-Chloronaphthalene	ND		75	7.8	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Chrysene	ND		75	8.9	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Dibenz(a,h)anthracene	ND		75	8.3	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
2,4-Dichlorophenol	ND		75	7.5	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Fluoranthene	ND		75	8.0	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Fluorene	ND		75	9.8	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Hexachlorobenzene	ND		75	7.9	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Hexachlorobutadiene	ND		75	8.4	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Indeno[1,2,3-cd]pyrene	ND		75	7.7	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Isophorone	ND		370	28	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
2-Methylnaphthalene	ND		75	6.7	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Naphthalene	ND		75	6.4	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
N-Nitrosodi-n-propylamine	ND		75	8.8	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
2,2'-oxybis[1-chloropropane]	ND		75	8.1	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Phenanthrene	ND		75	12	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Phenol	ND		75	8.8	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
Pyrene	ND		75	7.5	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1

Client Sample ID: SSHS-B86-6-10 (8)
Date Collected: 08/13/14 15:15
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-3
Matrix: Solid
Percent Solids: 89.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/22/14 02:20	08/22/14 13:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190*	*T J*	*ug/Kg*	☼	*12.90*		*08/22/14 02:20*	*08/22/14 13:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*08/22/14 02:20*	*08/22/14 13:17*	*1*
2-Fluorophenol (Surr)	*70*		*39 - 103*	*08/22/14 02:20*	*08/22/14 13:17*	*1*
Nitrobenzene-d5 (Surr)	*71*		*25 - 104*	*08/22/14 02:20*	*08/22/14 13:17*	*1*
Phenol-d5 (Surr)	*68*		*25 - 105*	*08/22/14 02:20*	*08/22/14 13:17*	*1*
Terphenyl-d14 (Surr)	*81*		*25 - 127*	*08/22/14 02:20*	*08/22/14 13:17*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*35 - 124*	*08/22/14 02:20*	*08/22/14 13:17*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
gamma-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1
Toxaphene	ND		74	12	ug/Kg	☼	08/23/14 02:35	08/25/14 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*08/23/14 02:35*	*08/25/14 12:35*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/23/14 02:35*	*08/25/14 12:35*	*1*
Tetrachloro-m-xylene	*89*		*45 - 130*	*08/23/14 02:35*	*08/25/14 12:35*	*1*
Tetrachloro-m-xylene	*89*		*45 - 130*	*08/23/14 02:35*	*08/25/14 12:35*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/23/14 02:35	08/25/14 17:38	1
PCB-1221	ND		19	3.5	ug/Kg	☼	08/23/14 02:35	08/25/14 17:38	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/23/14 02:35	08/25/14 17:38	1
PCB-1242	ND		19	3.0	ug/Kg	☼	08/23/14 02:35	08/25/14 17:38	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/23/14 02:35	08/25/14 17:38	1
PCB-1254	ND		19	2.6	ug/Kg	☼	08/23/14 02:35	08/25/14 17:38	1

Client Sample ID: SSHS-B86-6-10 (8)

Lab Sample ID: 180-35776-3

Date Collected: 08/13/14 15:15

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 89.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		19	2.6	ug/Kg	☼	08/23/14 02:35	08/25/14 17:38	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/23/14 02:35	08/25/14 17:38	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/23/14 02:35	08/25/14 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 125*	*08/23/14 02:35*	*08/25/14 17:06*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*	*08/23/14 02:35*	*08/25/14 17:38*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*45 - 135*	*08/23/14 02:35*	*08/25/14 17:06*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*	*08/23/14 02:35*	*08/25/14 17:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8800**		22	2.3	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Arsenic	**9.5**		1.1	0.34	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Barium	**100**		22	0.014	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Beryllium	**0.38**	**J**	0.44	0.012	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Cadmium	**0.092**	**J B**	0.55	0.016	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Calcium	**1100**		550	1.7	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Chromium	**11**		0.55	0.086	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Cobalt	**8.5**		5.5	0.046	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Copper	**22**		2.8	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Iron	**20000**		11	0.98	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Lead	**11**		1.1	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Magnesium	**2400**		550	2.3	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Manganese	**550**		1.7	0.098	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Nickel	**20**	**B**	4.4	0.053	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Potassium	**680**	**B**	550	7.1	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Selenium	**0.31**	**J**	1.1	0.30	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Silver	ND		0.55	0.045	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Sodium	**260**	**J B**	550	1.2	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Thallium	**0.26**	**J**	2.2	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Vanadium	**13**		5.5	0.19	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1
Zinc	**72**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 14:00	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.024**	**J**	0.037	0.012	mg/Kg	☼	08/21/14 10:25	08/21/14 15:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			08/15/14 11:11	1
Percent Solids	**89**		0.10	0.10	%			08/15/14 11:11	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/20/14 07:00	08/20/14 09:20	1

Client Sample Results

Client Sample ID: SSHS-B86-10-15 (12.5)

Lab Sample ID: 180-35776-4

Date Collected: 08/13/14 15:22
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.3	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Benzene	ND		4.3	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Bromoform	ND		4.3	0.38	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Bromomethane	ND		4.3	0.64	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
2-Butanone (MEK)	ND		4.3	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Carbon disulfide	ND		4.3	0.44	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Carbon tetrachloride	ND		4.3	0.39	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Chlorobenzene	ND		4.3	0.66	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Chlorobromomethane	ND		4.3	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Chlorodibromomethane	ND		4.3	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Chloroethane	ND		4.3	1.3	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Chloroform	ND		4.3	0.51	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Chloromethane	ND		4.3	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
cis-1,2-Dichloroethene	ND		4.3	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
cis-1,3-Dichloropropene	ND		4.3	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Cyclohexane	ND		4.3	0.32	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
1,2-Dibromo-3-Chloropropane	ND		4.3	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
1,2-Dibromoethane	ND		4.3	0.75	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
1,2-Dichlorobenzene	ND		4.3	0.69	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
1,3-Dichlorobenzene	ND		4.3	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
1,4-Dichlorobenzene	ND		4.3	0.55	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Dichlorobromomethane	ND		4.3	0.49	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Dichlorodifluoromethane	ND		4.3	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
1,1-Dichloroethane	ND		4.3	0.50	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
1,2-Dichloroethane	ND		4.3	0.53	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
1,1-Dichloroethene	ND		4.3	0.74	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
1,2-Dichloropropane	ND		4.3	0.47	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
1,4-Dioxane	ND		870	240	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Ethylbenzene	ND		4.3	0.56	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
2-Hexanone	ND		4.3	0.60	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Isopropylbenzene	ND		4.3	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Methyl acetate	ND		4.3	0.78	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Methylcyclohexane	ND		4.3	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Methylene Chloride	ND		4.3	0.58	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
4-Methyl-2-pentanone (MIBK)	ND		4.3	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Methyl tert-butyl ether	ND		4.3	0.65	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
m-Xylene & p-Xylene	ND		8.7	1.3	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
o-Xylene	ND		4.3	0.68	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Styrene	ND		4.3	0.61	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.62	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Tetrachloroethene	ND		4.3	0.59	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Toluene	ND		4.3	0.63	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
trans-1,2-Dichloroethene	ND		4.3	0.52	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
trans-1,3-Dichloropropene	ND		4.3	0.52	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
1,2,3-Trichlorobenzene	ND		4.3	0.73	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
1,2,4-Trichlorobenzene	ND		4.3	0.76	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
1,1,1-Trichloroethane	ND		4.3	0.42	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
1,1,2-Trichloroethane	ND		4.3	0.72	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Trichloroethene	ND		4.3	0.57	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1

Client Sample ID: SSHS-B86-10-15 (12.5)

Lab Sample ID: 180-35776-4
Date Collected: 08/13/14 15:22
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.3	0.80	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3	0.93	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1
Vinyl chloride	ND		4.3	0.41	ug/Kg	☼	08/15/14 04:00	08/15/14 15:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 04:00*	*08/15/14 15:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*	*08/15/14 04:00*	*08/15/14 15:57*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*08/15/14 04:00*	*08/15/14 15:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*52 - 124*	*08/15/14 04:00*	*08/15/14 15:57*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/15/14 04:00*	*08/15/14 15:57*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	7.1	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Acenaphthylene	ND		74	8.5	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Acetophenone	ND		370	30	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Anthracene	ND		74	7.2	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Atrazine	ND		370	36	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Benzaldehyde	ND		370	55	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Benzo[a]anthracene	ND		74	9.3	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Benzo[a]pyrene	ND		74	7.4	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Benzo[b]fluoranthene	ND		74	12	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Benzo[g,h,i]perylene	ND		74	7.4	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Benzo[k]fluoranthene	ND		74	15	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Bis(2-chloroethoxy)methane	ND		370	24	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Bis(2-ethylhexyl) phthalate	ND		740	60	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Carbazole	ND		74	6.8	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
2-Chlorophenol	ND		370	30	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Chrysene	ND		74	8.8	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Dibenz(a,h)anthracene	ND		74	8.2	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Dibenzofuran	ND		370	36	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Diethyl phthalate	ND		370	40	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Dimethyl phthalate	ND		370	40	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Di-n-butyl phthalate	ND		370	46	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1

Client Sample ID: SSHS-B86-10-15 (12.5)

Lab Sample ID: 180-35776-4

Date Collected: 08/13/14 15:22
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 90.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Fluoranthene	ND		74	7.9	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Fluorene	ND		74	9.7	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Hexachlorobenzene	ND		74	7.9	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Hexachlorobutadiene	ND		74	8.3	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Indeno[1,2,3-cd]pyrene	ND		74	7.6	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Isophorone	ND		370	28	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
2-Methylnaphthalene	ND		74	6.6	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Methylphenol, 3 & 4	ND		370	36	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Naphthalene	ND		74	6.4	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
N-Nitrosodi-n-propylamine	ND		74	8.7	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
N-Nitrosodiphenylamine	ND		370	34	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
2,2'-oxybis[1-chloropropane]	ND		74	8.0	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Phenanthrene	ND		74	12	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Phenol	ND		74	8.7	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
Pyrene	ND		74	7.5	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
2,4,5-Trichlorophenol	ND		370	39	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1
2,4,6-Trichlorophenol	ND		370	55	ug/Kg	☼	08/22/14 02:20	08/22/14 14:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 02:20*	*08/22/14 14:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 105*	*08/22/14 02:20*	*08/22/14 14:45*	*1*
2-Fluorophenol (Surr)	*65*		*39 - 103*	*08/22/14 02:20*	*08/22/14 14:45*	*1*
Nitrobenzene-d5 (Surr)	*67*		*25 - 104*	*08/22/14 02:20*	*08/22/14 14:45*	*1*
Phenol-d5 (Surr)	*64*		*25 - 105*	*08/22/14 02:20*	*08/22/14 14:45*	*1*
Terphenyl-d14 (Surr)	*74*		*25 - 127*	*08/22/14 02:20*	*08/22/14 14:45*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*35 - 124*	*08/22/14 02:20*	*08/22/14 14:45*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1

Client Sample ID: SSHS-B86-10-15 (12.5)

Lab Sample ID: 180-35776-4

Date Collected: 08/13/14 15:22
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
4,4'-DDT	ND		1.9	0.27	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1
Toxaphene	ND		74	12	ug/Kg	☼	08/23/14 02:35	08/25/14 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*45 - 130*	*08/23/14 02:35*	*08/25/14 13:21*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*08/23/14 02:35*	*08/25/14 13:21*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*08/23/14 02:35*	*08/25/14 13:21*	*1*
Tetrachloro-m-xylene	*94*		*45 - 130*	*08/23/14 02:35*	*08/25/14 13:21*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/23/14 02:35	08/25/14 19:16	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/23/14 02:35	08/25/14 19:16	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/23/14 02:35	08/25/14 19:16	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/23/14 02:35	08/25/14 19:16	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/23/14 02:35	08/25/14 19:16	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/23/14 02:35	08/25/14 19:16	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/23/14 02:35	08/25/14 19:16	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/23/14 02:35	08/25/14 19:16	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/23/14 02:35	08/25/14 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/23/14 02:35*	*08/25/14 18:43*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*	*08/23/14 02:35*	*08/25/14 19:16*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*	*08/23/14 02:35*	*08/25/14 18:43*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*45 - 135*	*08/23/14 02:35*	*08/25/14 19:16*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6100**		22	2.3	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Arsenic	**6.5**		1.1	0.33	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Barium	**59**		22	0.014	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Beryllium	**0.27**	**J**	0.43	0.012	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B86-10-15 (12.5) Lab Sample ID: 180-35776-4

Date Collected: 08/13/14 15:22 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 90.2**

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**1.2**	**B**	0.54	0.016	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Calcium	**2400**		540	1.6	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Chromium	**7.8**		0.54	0.084	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Cobalt	**5.8**		5.4	0.045	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Copper	**18**		2.7	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Iron	**16000**		11	0.96	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Lead	**7.8**		1.1	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Magnesium	**2800**		540	2.2	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Manganese	**830**		1.6	0.097	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Nickel	**16**	**B**	4.3	0.052	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Potassium	**510**	**J B**	540	6.9	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Selenium	**0.52**	**J**	1.1	0.29	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Silver	ND		0.54	0.044	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Sodium	**110**	**J B**	540	1.2	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Thallium	**0.23**	**J**	2.2	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Vanadium	**9.9**		5.4	0.19	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1
Zinc	**350**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 14:25	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.012	mg/Kg	☼	08/21/14 10:25	08/21/14 15:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.8**		0.10	0.10	%			08/15/14 11:11	1
Percent Solids	**90**		0.10	0.10	%			08/15/14 11:11	1
Cyanide, Total	ND		0.57	0.17	mg/Kg	☼	08/20/14 07:00	08/20/14 09:28	1

Client Sample ID: SSHS-B88-0.17-2 (1) Lab Sample ID: 180-35776-5

Date Collected: 08/13/14 13:33 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 88.8**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	5.1	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Benzene	ND		5.1	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Bromoform	ND		5.1	0.46	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Bromomethane	ND		5.1	0.76	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
2-Butanone (MEK)	ND		5.1	0.91	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Carbon disulfide	ND		5.1	0.53	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Carbon tetrachloride	ND		5.1	0.46	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Chlorobenzene	ND		5.1	0.78	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Chlorobromomethane	ND		5.1	0.71	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Chlorodibromomethane	ND		5.1	0.73	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Chloroethane	ND		5.1	1.6	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Chloroform	ND		5.1	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Chloromethane	ND		5.1	0.88	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
cis-1,2-Dichloroethene	ND		5.1	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
cis-1,3-Dichloropropene	ND		5.1	0.70	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Cyclohexane	ND		5.1	0.38	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1

Client Sample ID: SSHS-B88-0.17-2 (1)
Date Collected: 08/13/14 13:33
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-5
Matrix: Solid
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.1	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
1,2-Dibromoethane	ND		5.1	0.89	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
1,2-Dichlorobenzene	ND		5.1	0.82	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
1,3-Dichlorobenzene	ND		5.1	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
1,4-Dichlorobenzene	ND		5.1	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Dichlorobromomethane	ND		5.1	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Dichlorodifluoromethane	ND		5.1	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
1,1-Dichloroethane	ND		5.1	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
1,2-Dichloroethane	ND		5.1	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
1,1-Dichloroethene	ND		5.1	0.87	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
1,2-Dichloropropane	ND		5.1	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
1,4-Dioxane	ND		1000	280	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Ethylbenzene	ND		5.1	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
2-Hexanone	ND		5.1	0.71	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Isopropylbenzene	ND		5.1	0.70	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Methyl acetate	ND		5.1	0.93	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Methylcyclohexane	ND		5.1	0.75	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Methylene Chloride	ND		5.1	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Methyl tert-butyl ether	ND		5.1	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
o-Xylene	ND		5.1	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Styrene	ND		5.1	0.73	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
1,1,2,2-Tetrachloroethane	ND		5.1	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Tetrachloroethene	ND		5.1	0.70	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Toluene	ND		5.1	0.75	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
trans-1,2-Dichloroethene	ND		5.1	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
trans-1,3-Dichloropropene	ND		5.1	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
1,2,3-Trichlorobenzene	ND		5.1	0.87	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
1,2,4-Trichlorobenzene	ND		5.1	0.91	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
1,1,1-Trichloroethane	ND		5.1	0.50	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
1,1,2-Trichloroethane	ND		5.1	0.85	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Trichloroethene	ND		5.1	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Trichlorofluoromethane	ND		5.1	0.94	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	1.1	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1
Vinyl chloride	ND		5.1	0.48	ug/Kg	☼	08/15/14 22:06	08/16/14 02:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/16/14 02:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*63 - 120*	*08/15/14 22:06*	*08/16/14 02:26*	*1*
Dibromofluoromethane (Surr)	*112*		*68 - 121*	*08/15/14 22:06*	*08/16/14 02:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*52 - 124*	*08/15/14 22:06*	*08/16/14 02:26*	*1*
Toluene-d8 (Surr)	*123*		*72 - 127*	*08/15/14 22:06*	*08/16/14 02:26*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**10**	**J**	75	7.2	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Acenaphthylene	**130**		75	8.5	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1

Client Sample ID: SSHS-B88-0.17-2 (1) **Lab Sample ID: 180-35776-5**
Date Collected: 08/13/14 13:33 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 88.8**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		370	31	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Anthracene	**110**		75	7.3	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Atrazine	ND		370	36	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Benzo[a]anthracene	**400**		75	9.3	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Benzo[a]pyrene	**440**		75	7.5	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Benzo[b]fluoranthene	**560**		75	12	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Benzo[g,h,i]perylene	**570**		75	7.4	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Benzo[k]fluoranthene	**170**		75	15	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Bis(2-ethylhexyl) phthalate	ND		750	60	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Carbazole	**35**	**J**	75	6.9	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
2-Chloronaphthalene	ND		75	7.8	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Chrysene	**400**		75	8.9	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Dibenz(a,h)anthracene	**110**		75	8.3	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Dibenzofuran	**56**	**J**	370	37	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
2,4-Dichlorophenol	ND		75	7.5	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Fluoranthene	**620**		75	8.0	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Fluorene	**22**	**J**	75	9.8	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Hexachlorobenzene	ND		75	7.9	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Hexachlorobutadiene	ND		75	8.3	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Indeno[1,2,3-cd]pyrene	**470**		75	7.7	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Isophorone	ND		370	28	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
2-Methylnaphthalene	**59**	**J**	75	6.7	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Naphthalene	**240**		75	6.4	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1

Client Sample ID: SSHS-B88-0.17-2 (1)

Lab Sample ID: 180-35776-5

Date Collected: 08/13/14 13:33
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 88.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
N-Nitrosodi-n-propylamine	ND		75	8.8	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
2,2'-oxybis[1-chloropropane]	ND		75	8.1	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Phenanthrene	**320**		75	12	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Phenol	ND		75	8.8	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
Pyrene	**600**		75	7.5	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/22/14 02:20	08/22/14 15:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190*	*T J*	*ug/Kg*	☼	*9.88*		*08/22/14 02:20*	*08/22/14 15:14*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*10.20*		*08/22/14 02:20*	*08/22/14 15:14*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*10.97*		*08/22/14 02:20*	*08/22/14 15:14*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*11.08*		*08/22/14 02:20*	*08/22/14 15:14*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*12.48*		*08/22/14 02:20*	*08/22/14 15:14*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*12.89*		*08/22/14 02:20*	*08/22/14 15:14*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*15.90*		*08/22/14 02:20*	*08/22/14 15:14*	*1*
Unknown	*420*	*T J*	*ug/Kg*	☼	*16.65*		*08/22/14 02:20*	*08/22/14 15:14*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*17.38*		*08/22/14 02:20*	*08/22/14 15:14*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*17.77*		*08/22/14 02:20*	*08/22/14 15:14*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*18.05*		*08/22/14 02:20*	*08/22/14 15:14*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*18.67*		*08/22/14 02:20*	*08/22/14 15:14*	*1*
Unknown	*360*	*T J*	*ug/Kg*	☼	*18.87*		*08/22/14 02:20*	*08/22/14 15:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*35 - 105*	*08/22/14 02:20*	*08/22/14 15:14*	*1*
2-Fluorophenol (Surr)	*73*		*39 - 103*	*08/22/14 02:20*	*08/22/14 15:14*	*1*
Nitrobenzene-d5 (Surr)	*76*		*25 - 104*	*08/22/14 02:20*	*08/22/14 15:14*	*1*
Phenol-d5 (Surr)	*70*		*25 - 105*	*08/22/14 02:20*	*08/22/14 15:14*	*1*
Terphenyl-d14 (Surr)	*79*		*25 - 127*	*08/22/14 02:20*	*08/22/14 15:14*	*1*
2,4,6-Tribromophenol (Surr)	*89*		*35 - 124*	*08/22/14 02:20*	*08/22/14 15:14*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1
4,4'-DDD	**0.81**	**J p**	1.9	0.24	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1
4,4'-DDT	**0.67**	**J p**	1.9	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1

Client Sample ID: SSHS-B88-0.17-2 (1) **Lab Sample ID: 180-35776-5**

Date Collected: 08/13/14 13:33 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 88.8**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1
Endosulfan sulfate	**0.42**	**J p**	1.9	0.19	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1
Endrin	**2.0**		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1
Endrin ketone	**0.78**	**J p**	1.9	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1
gamma-Chlordane	**0.72**	**J p**	1.9	0.37	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1
Heptachlor epoxide	**0.38**	**J p**	1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1
Methoxychlor	**2.9**	**J p**	3.7	0.39	ug/Kg	☼	08/23/14 02:35	08/26/14 10:50	1
Toxaphene	ND		75	12	ug/Kg	☼	08/23/14 02:35	08/25/14 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*	*08/23/14 02:35*	*08/25/14 13:37*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 130*	*08/23/14 02:35*	*08/25/14 13:37*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*	*08/23/14 02:35*	*08/26/14 10:50*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 130*	*08/23/14 02:35*	*08/26/14 10:50*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/23/14 02:35*	*08/25/14 13:37*	*1*
Tetrachloro-m-xylene	*77*		*45 - 130*	*08/23/14 02:35*	*08/25/14 13:37*	*1*
Tetrachloro-m-xylene	*83*		*45 - 130*	*08/23/14 02:35*	*08/26/14 10:50*	*1*
Tetrachloro-m-xylene	*78*		*45 - 130*	*08/23/14 02:35*	*08/26/14 10:50*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/23/14 02:35	08/25/14 19:48	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/23/14 02:35	08/25/14 19:48	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/23/14 02:35	08/25/14 19:48	1
PCB-1242	ND		19	3.0	ug/Kg	☼	08/23/14 02:35	08/25/14 19:48	1
PCB-1248	**49**		19	1.8	ug/Kg	☼	08/23/14 02:35	08/25/14 19:48	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/23/14 02:35	08/25/14 19:48	1
PCB-1260	**36**		19	2.6	ug/Kg	☼	08/23/14 02:35	08/25/14 19:48	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/23/14 02:35	08/25/14 19:48	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/23/14 02:35	08/25/14 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 125*	*08/23/14 02:35*	*08/25/14 19:16*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/23/14 02:35*	*08/25/14 19:48*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*45 - 135*	*08/23/14 02:35*	*08/25/14 19:16*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*	*08/23/14 02:35*	*08/25/14 19:48*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8000**		21	2.2	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Antimony	ND		1.1	0.21	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Arsenic	**8.1**		1.1	0.32	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Barium	**63**		21	0.013	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Beryllium	**0.40**	**J**	0.42	0.012	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1

Client Sample ID: SSHS-B88-0.17-2 (1)

Lab Sample ID: 180-35776-5

Date Collected: 08/13/14 13:33

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 88.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.065**	**J B**	0.53	0.015	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Calcium	**5800**		530	1.6	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Chromium	**17**		0.53	0.081	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Cobalt	**6.4**		5.3	0.044	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Copper	**36**		2.6	0.15	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Iron	**20000**		11	0.93	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Lead	**72**		1.1	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Magnesium	**2400**		530	2.2	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Manganese	**280**		1.6	0.094	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Nickel	**16**	**B**	4.2	0.050	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Potassium	**450**	**J B**	530	6.7	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Selenium	**0.55**	**J**	1.1	0.28	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Silver	ND		0.53	0.043	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Sodium	**300**	**J B**	530	1.1	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Vanadium	**14**		5.3	0.18	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1
Zinc	**57**	**B**	2.1	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 14:30	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.033**	**J**	0.035	0.012	mg/Kg	☼	08/21/14 10:25	08/21/14 15:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			08/15/14 11:11	1
Percent Solids	**89**		0.10	0.10	%			08/15/14 11:11	1
Cyanide, Total	ND		0.57	0.17	mg/Kg	☼	08/20/14 07:00	08/20/14 09:28	1

Client Sample ID: SSHS-B88-2-6 (4)

Lab Sample ID: 180-35776-6

Date Collected: 08/13/14 13:40

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 86.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		14	3.4	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Benzene	ND		3.4	0.46	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Bromoform	ND		3.4	0.30	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Bromomethane	ND		3.4	0.50	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
2-Butanone (MEK)	ND		3.4	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Carbon disulfide	ND		3.4	0.35	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Carbon tetrachloride	ND		3.4	0.30	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Chlorobenzene	ND		3.4	0.51	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Chlorobromomethane	ND		3.4	0.47	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Chlorodibromomethane	ND		3.4	0.48	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Chloroethane	ND		3.4	1.0	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Chloroform	ND		3.4	0.40	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Chloromethane	ND		3.4	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
cis-1,2-Dichloroethene	ND		3.4	0.48	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
cis-1,3-Dichloropropene	ND		3.4	0.46	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Cyclohexane	ND		3.4	0.25	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B88-2-6 (4)
Lab Sample ID: 180-35776-6
Date Collected: 08/13/14 13:40
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		3.4	0.51	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
1,2-Dibromoethane	ND		3.4	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
1,2-Dichlorobenzene	ND		3.4	0.54	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
1,3-Dichlorobenzene	ND		3.4	0.44	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
1,4-Dichlorobenzene	ND		3.4	0.43	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Dichlorobromomethane	ND		3.4	0.38	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Dichlorodifluoromethane	ND		3.4	0.45	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
1,1-Dichloroethane	ND		3.4	0.39	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
1,2-Dichloroethane	ND		3.4	0.42	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
1,1-Dichloroethene	ND		3.4	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
1,2-Dichloropropane	ND		3.4	0.37	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
1,4-Dioxane	ND		680	190	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Ethylbenzene	ND		3.4	0.44	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
2-Hexanone	ND		3.4	0.47	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Isopropylbenzene	ND		3.4	0.46	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Methyl acetate	ND		3.4	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Methylcyclohexane	ND		3.4	0.49	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Methylene Chloride	ND		3.4	0.46	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
4-Methyl-2-pentanone (MIBK)	ND		3.4	0.44	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Methyl tert-butyl ether	ND		3.4	0.51	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
m-Xylene & p-Xylene	ND		6.8	1.0	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
o-Xylene	ND		3.4	0.53	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Styrene	ND		3.4	0.48	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
1,1,2,2-Tetrachloroethane	ND		3.4	0.49	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Tetrachloroethene	ND		3.4	0.46	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Toluene	ND		3.4	0.49	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
trans-1,2-Dichloroethene	ND		3.4	0.40	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
trans-1,3-Dichloropropene	ND		3.4	0.41	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
1,2,3-Trichlorobenzene	ND		3.4	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
1,2,4-Trichlorobenzene	ND		3.4	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
1,1,1-Trichloroethane	ND		3.4	0.33	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
1,1,2-Trichloroethane	ND		3.4	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Trichloroethene	ND		3.4	0.45	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Trichlorofluoromethane	ND		3.4	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.4	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1
Vinyl chloride	ND		3.4	0.32	ug/Kg	☼	08/15/14 22:06	08/16/14 02:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/16/14 02:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*	*08/15/14 22:06*	*08/16/14 02:49*	*1*
Dibromofluoromethane (Surr)	*107*		*68 - 121*	*08/15/14 22:06*	*08/16/14 02:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*	*08/15/14 22:06*	*08/16/14 02:49*	*1*
Toluene-d8 (Surr)	*104*		*72 - 127*	*08/15/14 22:06*	*08/16/14 02:49*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	7.4	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Acenaphthylene	ND		78	8.8	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B88-2-6 (4)
Date Collected: 08/13/14 13:40
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-6
Matrix: Solid
Percent Solids: 86.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		380	32	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Anthracene	ND		78	7.6	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Atrazine	ND		380	38	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Benzaldehyde	ND		380	58	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Benzo[a]anthracene	ND		78	9.7	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Benzo[a]pyrene	ND		78	7.7	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Benzo[b]fluoranthene	ND		78	12	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Benzo[g,h,i]perylene	ND		78	7.7	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Benzo[k]fluoranthene	ND		78	16	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
1,1'-Biphenyl	ND		380	34	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Bis(2-chloroethoxy)methane	ND		380	25	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Bis(2-chloroethyl)ether	ND		78	10	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Bis(2-ethylhexyl) phthalate	ND		780	62	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
4-Bromophenyl phenyl ether	ND		380	34	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Butyl benzyl phthalate	ND		380	53	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Caprolactam	ND		2000	290	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Carbazole	ND		78	7.1	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
4-Chloroaniline	ND		380	31	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
4-Chloro-3-methylphenol	ND		380	36	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
2-Chloronaphthalene	ND		78	8.1	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
2-Chlorophenol	ND		380	32	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
4-Chlorophenyl phenyl ether	ND		380	43	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Chrysene	ND		78	9.2	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Dibenz(a,h)anthracene	ND		78	8.6	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Dibenzofuran	ND		380	38	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
3,3'-Dichlorobenzidine	ND		380	41	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
2,4-Dichlorophenol	ND		78	7.8	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Diethyl phthalate	ND		380	42	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
2,4-Dimethylphenol	ND		380	60	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Dimethyl phthalate	ND		380	42	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Di-n-butyl phthalate	ND		380	48	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
2,4-Dinitrophenol	ND		2000	460	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
2,6-Dinitrotoluene	ND		380	40	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Di-n-octyl phthalate	ND		380	41	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
1,4-Dioxane	ND		780	44	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Fluoranthene	ND		78	8.3	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Fluorene	ND		78	10	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Hexachlorobenzene	ND		78	8.2	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Hexachlorobutadiene	ND		78	8.6	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Hexachlorocyclopentadiene	ND		380	42	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Hexachloroethane	ND		380	28	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Indeno[1,2,3-cd]pyrene	ND		78	8.0	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Isophorone	ND		380	29	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
2-Methylnaphthalene	ND		78	6.9	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Methylphenol, 3 & 4	ND		380	38	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Naphthalene	ND		78	6.7	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1

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

Client Sample ID: SSHS-B88-2-6 (4)
Date Collected: 08/13/14 13:40
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-6
Matrix: Solid
Percent Solids: 86.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2000	170	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Nitrobenzene	ND		780	32	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
2-Nitrophenol	ND		380	43	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
4-Nitrophenol	ND		2000	140	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
N-Nitrosodi-n-propylamine	ND		78	9.1	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
N-Nitrosodiphenylamine	ND		380	36	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
2,2'-oxybis[1-chloropropane]	ND		78	8.3	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Pentachlorophenol	ND		380	35	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Phenanthrene	ND		78	12	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Phenol	ND		78	9.1	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
Pyrene	ND		78	7.8	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
2,3,4,6-Tetrachlorophenol	ND		380	25	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
2,4,5-Trichlorophenol	ND		380	41	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1
2,4,6-Trichlorophenol	ND		380	58	ug/Kg	☼	08/22/14 02:20	08/22/14 15:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*550*	*T J*	*ug/Kg*	☼	*12.88*		*08/22/14 02:20*	*08/22/14 15:43*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*12.94*		*08/22/14 02:20*	*08/22/14 15:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*35 - 105*	*08/22/14 02:20*	*08/22/14 15:43*	*1*
2-Fluorophenol (Surr)	*78*		*39 - 103*	*08/22/14 02:20*	*08/22/14 15:43*	*1*
Nitrobenzene-d5 (Surr)	*80*		*25 - 104*	*08/22/14 02:20*	*08/22/14 15:43*	*1*
Phenol-d5 (Surr)	*77*		*25 - 105*	*08/22/14 02:20*	*08/22/14 15:43*	*1*
Terphenyl-d14 (Surr)	*88*		*25 - 127*	*08/22/14 02:20*	*08/22/14 15:43*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*35 - 124*	*08/22/14 02:20*	*08/22/14 15:43*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
alpha-BHC	ND		2.0	0.31	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
alpha-Chlordane	ND		2.0	0.38	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
beta-BHC	ND		2.0	0.50	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
4,4'-DDD	ND		2.0	0.25	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
4,4'-DDE	ND		2.0	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
4,4'-DDT	ND		2.0	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
delta-BHC	ND		2.0	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
Dieldrin	ND		2.0	0.32	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
Endosulfan I	ND		2.0	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
Endosulfan II	ND		2.0	0.34	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
Endosulfan sulfate	**0.33**	**J**	2.0	0.20	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
Endrin	ND		2.0	0.37	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
Endrin aldehyde	ND		2.0	0.37	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
Endrin ketone	**0.33**	**J p**	2.0	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
gamma-BHC (Lindane)	ND		2.0	0.34	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
gamma-Chlordane	ND		2.0	0.38	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
Heptachlor	ND		2.0	0.43	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1

Client Sample Results

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

Client Sample ID: SSHS-B88-2-6 (4)
Lab Sample ID: 180-35776-6
Date Collected: 08/13/14 13:40
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 86.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		2.0	0.38	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
Methoxychlor	ND		3.8	0.40	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1
Toxaphene	ND		78	13	ug/Kg	☼	08/23/14 02:35	08/25/14 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/23/14 02:35*	*08/25/14 13:52*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 130*	*08/23/14 02:35*	*08/25/14 13:52*	*1*
Tetrachloro-m-xylene	*86*		*45 - 130*	*08/23/14 02:35*	*08/25/14 13:52*	*1*
Tetrachloro-m-xylene	*86*		*45 - 130*	*08/23/14 02:35*	*08/25/14 13:52*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.9	ug/Kg	☼	08/23/14 02:35	08/25/14 20:20	1
PCB-1221	ND		19	3.7	ug/Kg	☼	08/23/14 02:35	08/25/14 20:20	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/23/14 02:35	08/25/14 20:20	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/23/14 02:35	08/25/14 20:20	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/23/14 02:35	08/25/14 20:20	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/23/14 02:35	08/25/14 20:20	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/23/14 02:35	08/25/14 20:20	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/23/14 02:35	08/25/14 20:20	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/23/14 02:35	08/25/14 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 125*	*08/23/14 02:35*	*08/25/14 19:48*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/23/14 02:35*	*08/25/14 20:20*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*	*08/23/14 02:35*	*08/25/14 19:48*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*45 - 135*	*08/23/14 02:35*	*08/25/14 20:20*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7300**		22	2.3	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Antimony	**0.44**	**J**	1.1	0.22	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Arsenic	**5.2**		1.1	0.33	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Barium	**41**		22	0.014	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Beryllium	**0.29**	**J**	0.43	0.012	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Cadmium	**0.034**	**J B**	0.54	0.015	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Calcium	**3700**		540	1.6	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Chromium	**11**		0.54	0.084	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Cobalt	**4.9**	**J**	5.4	0.045	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Copper	**15**		2.7	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Iron	**14000**		11	0.96	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Lead	**10**		1.1	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Magnesium	**2300**		540	2.2	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Manganese	**260**		1.6	0.096	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Nickel	**12**	**B**	4.3	0.051	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Potassium	**360**	**J B**	540	6.9	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Selenium	**0.42**	**J**	1.1	0.29	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Silver	ND		0.54	0.044	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Sodium	**170**	**J B**	540	1.1	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1

Client Sample ID: SSHS-B88-2-6 (4)

Lab Sample ID: 180-35776-6

Date Collected: 08/13/14 13:40
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 86.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	12		5.4	0.19	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1
Zinc	44	B	2.2	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 14:35	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.038	0.013	mg/Kg	☼	08/21/14 10:25	08/21/14 15:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		0.10	0.10	%			08/15/14 11:11	1
Percent Solids	86		0.10	0.10	%			08/15/14 11:11	1
Cyanide, Total	ND		0.59	0.17	mg/Kg	☼	08/20/14 07:00	08/20/14 09:28	1

Client Sample ID: SSHS-B88-6-10 (8)

Lab Sample ID: 180-35776-7

Date Collected: 08/13/14 13:45
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 91.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.5	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Benzene	ND		4.5	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Bromoform	ND		4.5	0.40	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Bromomethane	ND		4.5	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
2-Butanone (MEK)	ND		4.5	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Carbon disulfide	ND		4.5	0.46	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Carbon tetrachloride	ND		4.5	0.40	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Chlorobenzene	ND		4.5	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Chlorobromomethane	ND		4.5	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Chlorodibromomethane	ND		4.5	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Chloroethane	ND		4.5	1.4	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Chloroform	ND		4.5	0.53	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Chloromethane	ND		4.5	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
cis-1,2-Dichloroethene	ND		4.5	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
cis-1,3-Dichloropropene	ND		4.5	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Cyclohexane	ND		4.5	0.34	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
1,2-Dibromo-3-Chloropropane	ND		4.5	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
1,2-Dibromoethane	ND		4.5	0.78	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
1,2-Dichlorobenzene	ND		4.5	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
1,3-Dichlorobenzene	ND		4.5	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
1,4-Dichlorobenzene	ND		4.5	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Dichlorobromomethane	ND		4.5	0.51	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Dichlorodifluoromethane	ND		4.5	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
1,1-Dichloroethane	ND		4.5	0.52	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
1,2-Dichloroethane	ND		4.5	0.55	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
1,1-Dichloroethene	ND		4.5	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
1,2-Dichloropropane	ND		4.5	0.49	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
1,4-Dioxane	ND		900	250	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Ethylbenzene	ND		4.5	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
2-Hexanone	ND		4.5	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Isopropylbenzene	ND		4.5	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1

Client Sample Results

Client Sample ID: SSHS-B88-6-10 (8)

Lab Sample ID: 180-35776-7

Date Collected: 08/13/14 13:45
Date Received: 08/14/14 13:08
Matrix: Solid
Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		4.5	0.82	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Methylcyclohexane	ND		4.5	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Methylene Chloride	ND		4.5	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
4-Methyl-2-pentanone (MIBK)	ND		4.5	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Methyl tert-butyl ether	ND		4.5	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
m-Xylene & p-Xylene	ND		9.0	1.3	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
o-Xylene	ND		4.5	0.70	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Styrene	ND		4.5	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
1,1,2,2-Tetrachloroethane	ND		4.5	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Tetrachloroethene	ND		4.5	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Toluene	ND		4.5	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
trans-1,2-Dichloroethene	ND		4.5	0.54	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
1,2,3-Trichlorobenzene	ND		4.5	0.76	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
1,2,4-Trichlorobenzene	ND		4.5	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
1,1,1-Trichloroethane	ND		4.5	0.44	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
1,1,2-Trichloroethane	ND		4.5	0.75	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Trichloroethene	ND		4.5	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Trichlorofluoromethane	ND		4.5	0.83	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	0.97	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1
Vinyl chloride	ND		4.5	0.42	ug/Kg	☼	08/15/14 22:06	08/16/14 03:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/16/14 03:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*63 - 120*	*08/15/14 22:06*	*08/16/14 03:11*	*1*
Dibromofluoromethane (Surr)	*107*		*68 - 121*	*08/15/14 22:06*	*08/16/14 03:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*	*08/15/14 22:06*	*08/16/14 03:11*	*1*
Toluene-d8 (Surr)	*104*		*72 - 127*	*08/15/14 22:06*	*08/16/14 03:11*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Acenaphthylene	ND		73	8.3	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Acetophenone	ND		360	30	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Anthracene	ND		73	7.1	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Atrazine	ND		360	35	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Benzo[a]anthracene	ND		73	9.1	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Benzo[a]pyrene	ND		73	7.3	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Benzo[b]fluoranthene	ND		73	11	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Benzo[g,h,i]perylene	ND		73	7.2	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Benzo[k]fluoranthene	ND		73	15	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Bis(2-chloroethyl)ether	ND		73	9.8	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1

Client Sample ID: SSHS-B88-6-10 (8)
Date Collected: 08/13/14 13:45
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-7
Matrix: Solid
Percent Solids: 91.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		1900	280	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Carbazole	ND		73	6.7	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Chrysene	ND		73	8.7	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Dibenz(a,h)anthracene	ND		73	8.1	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
2,4-Dinitrophenol	ND		1900	430	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Fluoranthene	ND		73	7.8	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Fluorene	ND		73	9.6	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Hexachlorobenzene	ND		73	7.8	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Hexachlorobutadiene	ND		73	8.2	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Indeno[1,2,3-cd]pyrene	ND		73	7.5	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Isophorone	ND		360	27	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
2-Methylnaphthalene	ND		73	6.6	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Naphthalene	ND		73	6.3	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
N-Nitrosodi-n-propylamine	ND		73	8.5	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
2,2'-oxybis[1-chloropropane]	ND		73	7.9	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Phenanthrene	ND		73	12	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Phenol	ND		73	8.6	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
Pyrene	ND		73	7.4	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1

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

Client Sample ID: SSHS-B88-6-10 (8)
Date Collected: 08/13/14 13:45
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-7
Matrix: Solid
Percent Solids: 91.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/22/14 02:20	08/22/14 16:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*220*	*T J*	*ug/Kg*	☼	*12.90*		*08/22/14 02:20*	*08/22/14 16:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*08/22/14 02:20*	*08/22/14 16:13*	*1*
2-Fluorophenol (Surr)	*69*		*39 - 103*	*08/22/14 02:20*	*08/22/14 16:13*	*1*
Nitrobenzene-d5 (Surr)	*70*		*25 - 104*	*08/22/14 02:20*	*08/22/14 16:13*	*1*
Phenol-d5 (Surr)	*68*		*25 - 105*	*08/22/14 02:20*	*08/22/14 16:13*	*1*
Terphenyl-d14 (Surr)	*80*		*25 - 127*	*08/22/14 02:20*	*08/22/14 16:13*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*35 - 124*	*08/22/14 02:20*	*08/22/14 16:13*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
beta-BHC	ND		1.9	0.47	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
4,4'-DDE	ND		1.9	0.27	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
4,4'-DDT	ND		1.9	0.27	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
Dieldrin	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
Endosulfan I	ND		1.9	0.34	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
Endrin	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
Endrin aldehyde	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
Endrin ketone	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
Heptachlor	ND		1.9	0.40	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
Heptachlor epoxide	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1
Toxaphene	ND		73	12	ug/Kg	☼	08/23/14 02:35	08/25/14 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*	*08/23/14 02:35*	*08/25/14 14:08*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*08/23/14 02:35*	*08/25/14 14:08*	*1*
Tetrachloro-m-xylene	*99*		*45 - 130*	*08/23/14 02:35*	*08/25/14 14:08*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*08/23/14 02:35*	*08/25/14 14:08*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/23/14 02:35	08/25/14 20:53	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/23/14 02:35	08/25/14 20:53	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/23/14 02:35	08/25/14 20:53	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/23/14 02:35	08/25/14 20:53	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/23/14 02:35	08/25/14 20:53	1

Client Sample Results

Client Sample ID: SSHS-B88-6-10 (8)

Lab Sample ID: 180-35776-7

Date Collected: 08/13/14 13:45
Date Received: 08/14/14 13:08
Matrix: Solid
Percent Solids: 91.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	ND		18	2.6	ug/Kg	☼	08/23/14 02:35	08/25/14 20:53	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/23/14 02:35	08/25/14 20:53	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/23/14 02:35	08/25/14 20:53	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/23/14 02:35	08/25/14 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/23/14 02:35*	*08/25/14 20:20*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 125*	*08/23/14 02:35*	*08/25/14 20:53*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*45 - 135*	*08/23/14 02:35*	*08/25/14 20:20*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*	*08/23/14 02:35*	*08/25/14 20:53*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8500**		20	2.1	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Antimony	ND		1.0	0.20	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Arsenic	**6.5**		1.0	0.31	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Barium	**48**		20	0.013	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Beryllium	**0.32**	**J**	0.40	0.011	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Cadmium	**0.049**	**J B**	0.50	0.014	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Calcium	**1100**		500	1.5	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Chromium	**8.9**		0.50	0.077	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Cobalt	**7.3**		5.0	0.042	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Copper	**19**		2.5	0.14	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Iron	**19000**		10	0.89	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Lead	**8.1**		1.0	0.10	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Magnesium	**2500**		500	2.1	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Manganese	**490**		1.5	0.089	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Nickel	**16**	**B**	4.0	0.047	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Potassium	**440**	**J B**	500	6.4	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Selenium	**0.39**	**J**	1.0	0.27	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Silver	ND		0.50	0.040	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Sodium	**180**	**J B**	500	1.1	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Thallium	**0.19**	**J**	2.0	0.15	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Vanadium	**12**		5.0	0.17	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1
Zinc	**52**	**B**	2.0	0.10	mg/Kg	☼	08/20/14 13:51	08/26/14 14:40	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.012	mg/Kg	☼	08/21/14 10:25	08/21/14 15:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.0**		0.10	0.10	%			08/15/14 11:11	1
Percent Solids	**91**		0.10	0.10	%			08/15/14 11:11	1
Cyanide, Total	ND		0.53	0.16	mg/Kg	☼	08/20/14 07:00	08/20/14 09:28	1

Client Sample Results

Client Sample ID: SSHS-B88-10-15 (12.5)
Lab Sample ID: 180-35776-8
Date Collected: 08/13/14 13:55
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 87.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.7	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Benzene	ND		4.7	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Bromoform	ND		4.7	0.42	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Bromomethane	ND		4.7	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
2-Butanone (MEK)	ND		4.7	0.83	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Carbon disulfide	ND		4.7	0.48	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Carbon tetrachloride	ND		4.7	0.42	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Chlorobenzene	ND		4.7	0.71	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Chlorobromomethane	ND		4.7	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Chlorodibromomethane	ND		4.7	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Chloroethane	ND		4.7	1.5	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Chloroform	ND		4.7	0.55	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Chloromethane	ND		4.7	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
cis-1,2-Dichloroethene	ND		4.7	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
cis-1,3-Dichloropropene	ND		4.7	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Cyclohexane	ND		4.7	0.35	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
1,2-Dibromo-3-Chloropropane	ND		4.7	0.70	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
1,2-Dibromoethane	ND		4.7	0.81	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
1,2-Dichlorobenzene	ND		4.7	0.75	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
1,3-Dichlorobenzene	ND		4.7	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
1,4-Dichlorobenzene	ND		4.7	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Dichlorobromomethane	ND		4.7	0.53	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Dichlorodifluoromethane	ND		4.7	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
1,1-Dichloroethane	ND		4.7	0.54	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
1,2-Dichloroethane	ND		4.7	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
1,1-Dichloroethene	ND		4.7	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
1,2-Dichloropropane	ND		4.7	0.51	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
1,4-Dioxane	ND		940	260	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Ethylbenzene	ND		4.7	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
2-Hexanone	ND		4.7	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Isopropylbenzene	ND		4.7	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Methyl acetate	ND		4.7	0.85	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Methylcyclohexane	ND		4.7	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Methylene Chloride	ND		4.7	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Methyl tert-butyl ether	ND		4.7	0.70	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
m-Xylene & p-Xylene	ND		9.4	1.4	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
o-Xylene	ND		4.7	0.73	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Styrene	ND		4.7	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Tetrachloroethene	ND		4.7	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Toluene	ND		4.7	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
trans-1,2-Dichloroethene	ND		4.7	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
trans-1,3-Dichloropropene	ND		4.7	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
1,2,3-Trichlorobenzene	ND		4.7	0.79	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
1,2,4-Trichlorobenzene	ND		4.7	0.83	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
1,1,1-Trichloroethane	ND		4.7	0.46	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
1,1,2-Trichloroethane	ND		4.7	0.78	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Trichloroethene	ND		4.7	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1

Client Sample ID: SSHS-B88-10-15 (12.5)
Lab Sample ID: 180-35776-8
Date Collected: 08/13/14 13:55
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.7	0.86	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.0	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1
Vinyl chloride	ND		4.7	0.44	ug/Kg	☼	08/15/14 22:06	08/16/14 03:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/16/14 03:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*63 - 120*	*08/15/14 22:06*	*08/16/14 03:33*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/15/14 22:06*	*08/16/14 03:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*52 - 124*	*08/15/14 22:06*	*08/16/14 03:33*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/15/14 22:06*	*08/16/14 03:33*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	7.3	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Acenaphthylene	ND		77	8.7	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Acetophenone	ND		380	31	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Anthracene	ND		77	7.5	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Atrazine	ND		380	37	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Benzaldehyde	ND		380	57	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Benzo[a]anthracene	ND		77	9.6	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Benzo[a]pyrene	ND		77	7.6	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Benzo[b]fluoranthene	ND		77	12	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Benzo[g,h,i]perylene	ND		77	7.6	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Benzo[k]fluoranthene	ND		77	15	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
1,1'-Biphenyl	ND		380	34	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Bis(2-chloroethoxy)methane	ND		380	25	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Bis(2-chloroethyl)ether	ND		77	10	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Bis(2-ethylhexyl) phthalate	ND		770	62	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
4-Bromophenyl phenyl ether	ND		380	33	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Butyl benzyl phthalate	ND		380	52	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Caprolactam	ND		1900	290	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Carbazole	ND		77	7.0	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
4-Chloroaniline	ND		380	31	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
4-Chloro-3-methylphenol	ND		380	35	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
2-Chloronaphthalene	ND		77	8.0	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
2-Chlorophenol	ND		380	31	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
4-Chlorophenyl phenyl ether	ND		380	42	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Chrysene	ND		77	9.1	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Dibenz(a,h)anthracene	ND		77	8.5	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Dibenzofuran	ND		380	38	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
3,3'-Dichlorobenzidine	ND		380	40	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
2,4-Dichlorophenol	ND		77	7.7	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Diethyl phthalate	ND		380	42	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
2,4-Dimethylphenol	ND		380	60	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Dimethyl phthalate	ND		380	42	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Di-n-butyl phthalate	ND		380	48	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B88-10-15 (12.5) Lab Sample ID: 180-35776-8

Date Collected: 08/13/14 13:55 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 87.4**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
2,6-Dinitrotoluene	ND		380	39	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Di-n-octyl phthalate	ND		380	40	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
1,4-Dioxane	ND		770	44	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Fluoranthene	ND		77	8.2	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Fluorene	ND		77	10	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Hexachlorobenzene	ND		77	8.1	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Hexachlorobutadiene	ND		77	8.5	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Hexachlorocyclopentadiene	ND		380	41	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Hexachloroethane	ND		380	27	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Indeno[1,2,3-cd]pyrene	ND		77	7.9	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Isophorone	ND		380	29	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
2-Methylnaphthalene	ND		77	6.9	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Methylphenol, 3 & 4	ND		380	37	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Naphthalene	ND		77	6.6	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
3-Nitroaniline	ND		1900	160	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Nitrobenzene	ND		770	32	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
2-Nitrophenol	ND		380	42	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
N-Nitrosodi-n-propylamine	ND		77	9.0	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
N-Nitrosodiphenylamine	ND		380	35	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
2,2'-oxybis[1-chloropropane]	ND		77	8.2	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Pentachlorophenol	ND		380	34	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Phenanthrene	ND		77	12	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Phenol	ND		77	9.0	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
Pyrene	ND		77	7.7	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
2,3,4,6-Tetrachlorophenol	ND		380	25	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
2,4,5-Trichlorophenol	ND		380	41	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1
2,4,6-Trichlorophenol	ND		380	57	ug/Kg	☼	08/22/14 02:20	08/22/14 16:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 02:20*	*08/22/14 16:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*35 - 105*	*08/22/14 02:20*	*08/22/14 16:42*	*1*
2-Fluorophenol (Surr)	*82*		*39 - 103*	*08/22/14 02:20*	*08/22/14 16:42*	*1*
Nitrobenzene-d5 (Surr)	*80*		*25 - 104*	*08/22/14 02:20*	*08/22/14 16:42*	*1*
Phenol-d5 (Surr)	*77*		*25 - 105*	*08/22/14 02:20*	*08/22/14 16:42*	*1*
Terphenyl-d14 (Surr)	*82*		*25 - 127*	*08/22/14 02:20*	*08/22/14 16:42*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*35 - 124*	*08/22/14 02:20*	*08/22/14 16:42*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.34	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
alpha-BHC	ND		1.9	0.31	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
alpha-Chlordane	ND		1.9	0.38	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1

Client Sample ID: SSHS-B88-10-15 (12.5) **Lab Sample ID: 180-35776-8**
Date Collected: 08/13/14 13:55 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 87.4**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.9	0.50	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
4,4'-DDD	ND		1.9	0.25	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
4,4'-DDE	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
4,4'-DDT	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
Dieldrin	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
Endosulfan I	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
Endosulfan II	ND		1.9	0.34	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
Endosulfan sulfate	ND		1.9	0.20	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
Endrin	ND		1.9	0.37	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
Endrin aldehyde	ND		1.9	0.37	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
Endrin ketone	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
gamma-BHC (Lindane)	ND		1.9	0.34	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
gamma-Chlordane	ND		1.9	0.38	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
Heptachlor epoxide	ND		1.9	0.37	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
Methoxychlor	ND		3.8	0.40	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1
Toxaphene	ND		77	13	ug/Kg	☼	08/23/14 02:35	08/25/14 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/23/14 02:35*	*08/25/14 14:23*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/23/14 02:35*	*08/25/14 14:23*	*1*
Tetrachloro-m-xylene	*90*		*45 - 130*	*08/23/14 02:35*	*08/25/14 14:23*	*1*
Tetrachloro-m-xylene	*86*		*45 - 130*	*08/23/14 02:35*	*08/25/14 14:23*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/23/14 02:35	08/25/14 21:25	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/23/14 02:35	08/25/14 21:25	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/23/14 02:35	08/25/14 21:25	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/23/14 02:35	08/25/14 21:25	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/23/14 02:35	08/25/14 21:25	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/23/14 02:35	08/25/14 21:25	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/23/14 02:35	08/25/14 21:25	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/23/14 02:35	08/25/14 21:25	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/23/14 02:35	08/25/14 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/23/14 02:35*	*08/25/14 20:53*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 125*	*08/23/14 02:35*	*08/25/14 21:25*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*45 - 135*	*08/23/14 02:35*	*08/25/14 20:53*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*45 - 135*	*08/23/14 02:35*	*08/25/14 21:25*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7900**		23	2.4	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Antimony	ND		1.1	0.23	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Arsenic	**9.8**		1.1	0.35	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Barium	**87**		23	0.015	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Beryllium	**0.37**	**J**	0.45	0.013	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1

Client Sample ID: SSHS-B88-10-15 (12.5)

Lab Sample ID: 180-35776-8

Date Collected: 08/13/14 13:55
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 87.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.065**	**J B**	0.57	0.016	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Calcium	**1300**		570	1.7	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Chromium	**11**		0.57	0.088	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Cobalt	**6.6**		5.7	0.047	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Copper	**24**		2.8	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Iron	**20000**		11	1.0	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Lead	**13**		1.1	0.12	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Magnesium	**2300**		570	2.3	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Manganese	**550**		1.7	0.10	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Nickel	**18**	**B**	4.5	0.054	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Potassium	**670**	**B**	570	7.2	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Selenium	**0.30**	**J**	1.1	0.30	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Silver	ND		0.57	0.046	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Sodium	**350**	**J B**	570	1.2	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Thallium	**0.24**	**J**	2.3	0.17	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Vanadium	**13**		5.7	0.20	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1
Zinc	**59**	**B**	2.3	0.12	mg/Kg	☼	08/20/14 13:51	08/26/14 14:56	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.013**	**J**	0.037	0.012	mg/Kg	☼	08/21/14 10:25	08/21/14 15:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13**		0.10	0.10	%			08/15/14 11:11	1
Percent Solids	**87**		0.10	0.10	%			08/15/14 11:11	1
Cyanide, Total	**0.73**		0.56	0.16	mg/Kg	☼	08/20/14 07:00	08/20/14 09:28	1

Client Sample ID: SSHS-B89-0.17-2 (1)

Lab Sample ID: 180-35776-9

Date Collected: 08/13/14 14:10
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 93.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.4	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Benzene	ND		4.4	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Bromoform	ND		4.4	0.39	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Bromomethane	ND		4.4	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
2-Butanone (MEK)	ND		4.4	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Carbon disulfide	ND		4.4	0.45	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Carbon tetrachloride	ND		4.4	0.39	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Chlorobenzene	ND		4.4	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Chlorobromomethane	ND		4.4	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Chlorodibromomethane	ND		4.4	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Chloroethane	ND		4.4	1.4	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Chloroform	ND		4.4	0.51	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Chloromethane	ND		4.4	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
cis-1,2-Dichloroethene	ND		4.4	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
cis-1,3-Dichloropropene	ND		4.4	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Cyclohexane	ND		4.4	0.32	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1

Client Sample ID: SSHS-B89-0.17-2 (1)
Date Collected: 08/13/14 14:10
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-9
Matrix: Solid
Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.4	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
1,2-Dibromoethane	ND		4.4	0.75	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
1,2-Dichlorobenzene	ND		4.4	0.70	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
1,3-Dichlorobenzene	ND		4.4	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
1,4-Dichlorobenzene	ND		4.4	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Dichlorobromomethane	ND		4.4	0.49	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Dichlorodifluoromethane	ND		4.4	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
1,1-Dichloroethane	ND		4.4	0.50	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
1,2-Dichloroethane	ND		4.4	0.53	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
1,1-Dichloroethene	ND		4.4	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
1,2-Dichloropropane	ND		4.4	0.47	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
1,4-Dioxane	ND		870	240	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Ethylbenzene	ND		4.4	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
2-Hexanone	ND		4.4	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Isopropylbenzene	ND		4.4	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Methyl acetate	ND		4.4	0.79	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Methylcyclohexane	ND		4.4	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Methylene Chloride	ND		4.4	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
4-Methyl-2-pentanone (MIBK)	ND		4.4	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Methyl tert-butyl ether	ND		4.4	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
m-Xylene & p-Xylene	ND		8.7	1.3	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
o-Xylene	ND		4.4	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Styrene	ND		4.4	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
1,1,2,2-Tetrachloroethane	ND		4.4	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Tetrachloroethene	ND		4.4	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Toluene	ND		4.4	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
trans-1,2-Dichloroethene	ND		4.4	0.52	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
trans-1,3-Dichloropropene	ND		4.4	0.52	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
1,2,3-Trichlorobenzene	ND		4.4	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
1,2,4-Trichlorobenzene	ND		4.4	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
1,1,1-Trichloroethane	ND		4.4	0.42	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
1,1,2-Trichloroethane	ND		4.4	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Trichloroethene	ND		4.4	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Trichlorofluoromethane	ND		4.4	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.4	0.93	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1
Vinyl chloride	ND		4.4	0.41	ug/Kg	☼	08/15/14 22:06	08/16/14 03:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/16/14 03:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*63 - 120*	*08/15/14 22:06*	*08/16/14 03:56*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/15/14 22:06*	*08/16/14 03:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*	*08/15/14 22:06*	*08/16/14 03:56*	*1*
Toluene-d8 (Surr)	*110*		*72 - 127*	*08/15/14 22:06*	*08/16/14 03:56*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	6.8	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Acenaphthylene	ND		71	8.1	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B89-0.17-2 (1)
Date Collected: 08/13/14 14:10
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-9
Matrix: Solid
Percent Solids: 93.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		350	29	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Anthracene	ND		71	6.9	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Atrazine	ND		350	34	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Benzo[a]anthracene	**34**	**J**	71	8.9	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Benzo[a]pyrene	**31**	**J**	71	7.1	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Benzo[b]fluoranthene	**37**	**J**	71	11	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Benzo[g,h,i]perylene	**32**	**J**	71	7.0	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Benzo[k]fluoranthene	**18**	**J**	71	14	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Bis(2-chloroethyl)ether	ND		71	9.5	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Bis(2-ethylhexyl) phthalate	ND		710	57	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Carbazole	ND		71	6.5	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
2-Chloronaphthalene	ND		71	7.4	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Chrysene	**37**	**J**	71	8.4	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Dibenz(a,h)anthracene	**8.1**	**J**	71	7.9	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
2,4-Dichlorophenol	ND		71	7.1	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
2,6-Dinitrotoluene	ND		350	36	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
1,4-Dioxane	ND		710	41	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Fluoranthene	**37**	**J**	71	7.6	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Fluorene	ND		71	9.3	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Hexachlorobenzene	ND		71	7.5	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Hexachlorobutadiene	ND		71	7.9	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Indeno[1,2,3-cd]pyrene	**28**	**J**	71	7.3	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Isophorone	ND		350	27	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
2-Methylnaphthalene	**7.1**	**J**	71	6.4	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Naphthalene	**15**	**J**	71	6.1	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1

Client Sample ID: SSHS-B89-0.17-2 (1) **Lab Sample ID: 180-35776-9**
Date Collected: 08/13/14 14:10 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 93.1**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Nitrobenzene	ND		710	29	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
N-Nitrosodi-n-propylamine	ND		71	8.3	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
2,2'-oxybis[1-chloropropane]	ND		71	7.6	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Phenanthrene	**30**	**J**	71	11	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Phenol	ND		71	8.4	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
Pyrene	**42**	**J**	71	7.1	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/22/14 02:20	08/22/14 17:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*480*	*T J*	*ug/Kg*	☼	*10.31*		*08/22/14 02:20*	*08/22/14 17:11*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*12.88*		*08/22/14 02:20*	*08/22/14 17:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*35 - 105*	*08/22/14 02:20*	*08/22/14 17:11*	*1*
2-Fluorophenol (Surr)	*78*		*39 - 103*	*08/22/14 02:20*	*08/22/14 17:11*	*1*
Nitrobenzene-d5 (Surr)	*81*		*25 - 104*	*08/22/14 02:20*	*08/22/14 17:11*	*1*
Phenol-d5 (Surr)	*75*		*25 - 105*	*08/22/14 02:20*	*08/22/14 17:11*	*1*
Terphenyl-d14 (Surr)	*88*		*25 - 127*	*08/22/14 02:20*	*08/22/14 17:11*	*1*
2,4,6-Tribromophenol (Surr)	*91*		*35 - 124*	*08/22/14 02:20*	*08/22/14 17:11*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
alpha-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
Endosulfan sulfate	**0.51**	**J p**	1.8	0.19	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
Endrin	**0.76**	**J**	1.8	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
Endrin ketone	**0.29**	**J p**	1.8	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
gamma-Chlordane	**0.58**	**J**	1.8	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B89-0.17-2 (1) **Lab Sample ID: 180-35776-9**
Date Collected: 08/13/14 14:10 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 93.1**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1
Toxaphene	ND		72	12	ug/Kg	☼	08/23/14 02:35	08/25/14 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*08/23/14 02:35*	*08/25/14 14:39*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/23/14 02:35*	*08/25/14 14:39*	*1*
Tetrachloro-m-xylene	*87*		*45 - 130*	*08/23/14 02:35*	*08/25/14 14:39*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/23/14 02:35*	*08/25/14 14:39*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/23/14 02:35	08/25/14 21:57	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/23/14 02:35	08/25/14 21:57	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/23/14 02:35	08/25/14 21:57	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/23/14 02:35	08/25/14 21:57	1
PCB-1248	**19**		18	1.7	ug/Kg	☼	08/23/14 02:35	08/25/14 21:57	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/23/14 02:35	08/25/14 21:57	1
PCB-1260	**7.3**	**J**	18	2.5	ug/Kg	☼	08/23/14 02:35	08/25/14 21:57	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/23/14 02:35	08/25/14 21:57	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/23/14 02:35	08/25/14 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/23/14 02:35*	*08/25/14 21:25*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 125*	*08/23/14 02:35*	*08/25/14 21:57*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*45 - 135*	*08/23/14 02:35*	*08/25/14 21:25*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*	*08/23/14 02:35*	*08/25/14 21:57*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6200**		20	2.1	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Antimony	ND		0.99	0.20	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Arsenic	**6.8**		0.99	0.30	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Barium	**50**		20	0.013	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Beryllium	**0.31**	**J**	0.40	0.011	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Cadmium	**0.060**	**J B**	0.50	0.014	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Calcium	**10000**		500	1.5	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Chromium	**7.5**		0.50	0.077	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Cobalt	**5.5**		5.0	0.042	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Copper	**24**		2.5	0.14	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Iron	**17000**		9.9	0.88	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Lead	**9.4**		0.99	0.10	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Magnesium	**3500**		500	2.1	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Manganese	**470**		1.5	0.088	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Nickel	**13**	**B**	4.0	0.047	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Potassium	**420**	**J B**	500	6.4	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Selenium	ND		0.99	0.27	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Silver	ND		0.50	0.040	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Sodium	**200**	**J B**	500	1.1	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1

Client Sample ID: SSHS-B89-0.17-2 (1)

Lab Sample ID: 180-35776-9

Date Collected: 08/13/14 14:10
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 93.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	**10**		5.0	0.17	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1
Zinc	**57**	**B**	2.0	0.10	mg/Kg	☼	08/20/14 13:51	08/26/14 15:01	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.013**	**J**	0.033	0.011	mg/Kg	☼	08/21/14 10:25	08/21/14 15:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.9**		0.10	0.10	%			08/15/14 11:11	1
Percent Solids	**93**		0.10	0.10	%			08/15/14 11:11	1
Cyanide, Total	ND		0.53	0.15	mg/Kg	☼	08/20/14 07:00	08/20/14 09:28	1

Client Sample ID: SSHS-B89-2-6 (5)

Lab Sample ID: 180-35776-10

Date Collected: 08/13/14 14:18
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 86.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.6	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Benzene	ND		4.6	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Bromoform	ND		4.6	0.41	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Bromomethane	ND		4.6	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
2-Butanone (MEK)	ND		4.6	0.82	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Carbon disulfide	ND		4.6	0.48	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Carbon tetrachloride	ND		4.6	0.41	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Chlorobenzene	ND		4.6	0.70	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Chlorobromomethane	ND		4.6	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Chlorodibromomethane	ND		4.6	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Chloroethane	ND		4.6	1.4	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Chloroform	ND		4.6	0.54	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Chloromethane	ND		4.6	0.79	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
cis-1,2-Dichloroethene	ND		4.6	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
cis-1,3-Dichloropropene	ND		4.6	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Cyclohexane	ND		4.6	0.34	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
1,2-Dibromo-3-Chloropropane	ND		4.6	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
1,2-Dibromoethane	ND		4.6	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
1,2-Dichlorobenzene	ND		4.6	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
1,3-Dichlorobenzene	ND		4.6	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
1,4-Dichlorobenzene	ND		4.6	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Dichlorobromomethane	ND		4.6	0.52	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Dichlorodifluoromethane	ND		4.6	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
1,1-Dichloroethane	ND		4.6	0.53	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
1,2-Dichloroethane	ND		4.6	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
1,1-Dichloroethene	ND		4.6	0.79	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
1,2-Dichloropropane	ND		4.6	0.50	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
1,4-Dioxane	ND		930	260	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Ethylbenzene	ND		4.6	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
2-Hexanone	ND		4.6	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Isopropylbenzene	ND		4.6	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B89-2-6 (5)

Date Collected: 08/13/14 14:18
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-10

Matrix: Solid
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		4.6	0.84	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Methylcyclohexane	ND		4.6	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Methylene Chloride	ND		4.6	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Methyl tert-butyl ether	ND		4.6	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
m-Xylene & p-Xylene	ND		9.3	1.4	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
o-Xylene	ND		4.6	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Styrene	ND		4.6	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Tetrachloroethene	ND		4.6	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Toluene	ND		4.6	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
trans-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
trans-1,3-Dichloropropene	ND		4.6	0.55	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
1,2,3-Trichlorobenzene	ND		4.6	0.78	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
1,2,4-Trichlorobenzene	ND		4.6	0.82	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
1,1,1-Trichloroethane	ND		4.6	0.45	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
1,1,2-Trichloroethane	ND		4.6	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Trichloroethene	ND		4.6	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Trichlorofluoromethane	ND		4.6	0.85	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	0.99	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1
Vinyl chloride	ND		4.6	0.44	ug/Kg	☼	08/15/14 22:06	08/16/14 04:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/16/14 04:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*	*08/15/14 22:06*	*08/16/14 04:18*	*1*
Dibromofluoromethane (Surr)	*102*		*68 - 121*	*08/15/14 22:06*	*08/16/14 04:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*52 - 124*	*08/15/14 22:06*	*08/16/14 04:18*	*1*
Toluene-d8 (Surr)	*99*		*72 - 127*	*08/15/14 22:06*	*08/16/14 04:18*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	7.4	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Acenaphthylene	ND		78	8.8	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Acetophenone	ND		380	32	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Anthracene	ND		78	7.6	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Atrazine	ND		380	38	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Benzaldehyde	ND		380	58	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Benzo[a]anthracene	ND		78	9.7	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Benzo[a]pyrene	ND		78	7.7	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Benzo[b]fluoranthene	ND		78	12	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Benzo[g,h,i]perylene	ND		78	7.7	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Benzo[k]fluoranthene	ND		78	16	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
1,1'-Biphenyl	ND		380	34	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Bis(2-chloroethoxy)methane	ND		380	25	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Bis(2-chloroethyl)ether	ND		78	10	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Bis(2-ethylhexyl) phthalate	ND		780	62	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
4-Bromophenyl phenyl ether	ND		380	34	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Butyl benzyl phthalate	ND		380	53	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1

Client Sample ID: SSHS-B89-2-6 (5) **Lab Sample ID: 180-35776-10**

Date Collected: 08/13/14 14:18 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 86.4**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		2000	290	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Carbazole	ND		78	7.1	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
4-Chloroaniline	ND		380	31	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
4-Chloro-3-methylphenol	ND		380	36	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
2-Chloronaphthalene	ND		78	8.1	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
2-Chlorophenol	ND		380	32	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
4-Chlorophenyl phenyl ether	ND		380	43	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Chrysene	ND		78	9.2	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Dibenz(a,h)anthracene	ND		78	8.6	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Dibenzofuran	ND		380	38	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
3,3'-Dichlorobenzidine	ND		380	41	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
2,4-Dichlorophenol	ND		78	7.7	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Diethyl phthalate	ND		380	42	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
2,4-Dimethylphenol	ND		380	60	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Dimethyl phthalate	ND		380	42	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Di-n-butyl phthalate	ND		380	48	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
2,4-Dinitrophenol	ND		2000	460	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
2,6-Dinitrotoluene	ND		380	40	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Di-n-octyl phthalate	ND		380	41	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
1,4-Dioxane	ND		780	44	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Fluoranthene	ND		78	8.3	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Fluorene	ND		78	10	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Hexachlorobenzene	ND		78	8.2	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Hexachlorobutadiene	ND		78	8.6	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Hexachlorocyclopentadiene	ND		380	42	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Hexachloroethane	ND		380	28	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Indeno[1,2,3-cd]pyrene	ND		78	8.0	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Isophorone	ND		380	29	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
2-Methylnaphthalene	ND		78	6.9	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Methylphenol, 3 & 4	ND		380	38	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Naphthalene	ND		78	6.7	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
2-Nitroaniline	ND		2000	170	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Nitrobenzene	ND		780	32	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
2-Nitrophenol	ND		380	43	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
4-Nitrophenol	ND		2000	140	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
N-Nitrosodi-n-propylamine	ND		78	9.1	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
N-Nitrosodiphenylamine	ND		380	36	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
2,2'-oxybis[1-chloropropane]	ND		78	8.3	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Pentachlorophenol	ND		380	35	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Phenanthrene	ND		78	12	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Phenol	ND		78	9.1	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
Pyrene	ND		78	7.8	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
2,3,4,6-Tetrachlorophenol	ND		380	25	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1

Client Sample ID: SSHS-B89-2-6 (5) **Lab Sample ID: 180-35776-10**
Date Collected: 08/13/14 14:18 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 86.4**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		380	41	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1
2,4,6-Trichlorophenol	ND		380	58	ug/Kg	☼	08/22/14 02:20	08/22/14 17:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*440*	*T J*	*ug/Kg*	☼	*10.32*		*08/22/14 02:20*	*08/22/14 17:40*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*12.89*		*08/22/14 02:20*	*08/22/14 17:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*08/22/14 02:20*	*08/22/14 17:40*	*1*
2-Fluorophenol (Surr)	*67*		*39 - 103*	*08/22/14 02:20*	*08/22/14 17:40*	*1*
Nitrobenzene-d5 (Surr)	*69*		*25 - 104*	*08/22/14 02:20*	*08/22/14 17:40*	*1*
Phenol-d5 (Surr)	*65*		*25 - 105*	*08/22/14 02:20*	*08/22/14 17:40*	*1*
Terphenyl-d14 (Surr)	*78*		*25 - 127*	*08/22/14 02:20*	*08/22/14 17:40*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*35 - 124*	*08/22/14 02:20*	*08/22/14 17:40*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
alpha-BHC	ND		2.0	0.31	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
alpha-Chlordane	ND		2.0	0.38	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
beta-BHC	ND		2.0	0.50	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
4,4'-DDD	ND		2.0	0.25	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
4,4'-DDE	ND		2.0	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
4,4'-DDT	ND		2.0	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
delta-BHC	ND		2.0	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
Dieldrin	ND		2.0	0.32	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
Endosulfan I	ND		2.0	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
Endosulfan II	ND		2.0	0.34	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
Endosulfan sulfate	ND		2.0	0.20	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
Endrin	ND		2.0	0.37	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
Endrin aldehyde	ND		2.0	0.37	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
Endrin ketone	ND		2.0	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
gamma-BHC (Lindane)	ND		2.0	0.34	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
gamma-Chlordane	ND		2.0	0.38	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
Heptachlor	ND		2.0	0.43	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
Heptachlor epoxide	ND		2.0	0.38	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
Methoxychlor	ND		3.8	0.40	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1
Toxaphene	ND		78	13	ug/Kg	☼	08/23/14 02:35	08/25/14 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*	*08/23/14 02:35*	*08/25/14 14:54*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*08/23/14 02:35*	*08/25/14 14:54*	*1*
Tetrachloro-m-xylene	*98*		*45 - 130*	*08/23/14 02:35*	*08/25/14 14:54*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*08/23/14 02:35*	*08/25/14 14:54*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.9	ug/Kg	☼	08/23/14 02:35	08/25/14 22:30	1
PCB-1221	ND		19	3.7	ug/Kg	☼	08/23/14 02:35	08/25/14 22:30	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/23/14 02:35	08/25/14 22:30	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/23/14 02:35	08/25/14 22:30	1

Client Sample ID: SSHS-B89-2-6 (5)
Lab Sample ID: 180-35776-10
Date Collected: 08/13/14 14:18
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 86.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		19	1.8	ug/Kg	☼	08/23/14 02:35	08/25/14 22:30	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/23/14 02:35	08/25/14 22:30	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/23/14 02:35	08/25/14 22:30	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/23/14 02:35	08/25/14 22:30	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/23/14 02:35	08/25/14 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*	*08/23/14 02:35*	*08/25/14 21:57*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*	*08/23/14 02:35*	*08/25/14 22:30*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*45 - 135*	*08/23/14 02:35*	*08/25/14 21:57*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*45 - 135*	*08/23/14 02:35*	*08/25/14 22:30*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9400**		22	2.3	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Arsenic	**7.0**		1.1	0.34	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Barium	**90**		22	0.014	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Beryllium	**0.45**		0.44	0.012	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Cadmium	**0.062**	**J B**	0.55	0.016	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Calcium	**1200**		550	1.7	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Chromium	**10**		0.55	0.085	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Cobalt	**7.2**		5.5	0.046	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Copper	**14**		2.8	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Iron	**19000**		11	0.98	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Lead	**13**		1.1	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Magnesium	**2300**		550	2.3	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Manganese	**560**		1.7	0.098	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Nickel	**15**	**B**	4.4	0.052	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Potassium	**590**	**B**	550	7.0	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Selenium	**0.68**	**J**	1.1	0.30	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Silver	ND		0.55	0.045	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Sodium	**160**	**J B**	550	1.2	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Thallium	**0.24**	**J**	2.2	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Vanadium	**14**		5.5	0.19	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1
Zinc	**52**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 15:06	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.020**	**J**	0.038	0.013	mg/Kg	☼	08/21/14 10:25	08/21/14 15:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14**		0.10	0.10	%			08/15/14 11:11	1
Percent Solids	**86**		0.10	0.10	%			08/15/14 11:11	1
Cyanide, Total	ND		0.56	0.16	mg/Kg	☼	08/20/14 07:00	08/20/14 09:28	1

Client Sample ID: SSHS-B89-6-10 (7.5)
Lab Sample ID: 180-35776-11
Date Collected: 08/13/14 14:24
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 91.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.7	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Benzene	ND		4.7	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Bromoform	ND		4.7	0.42	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Bromomethane	ND		4.7	0.70	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
2-Butanone (MEK)	ND		4.7	0.83	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Carbon disulfide	ND		4.7	0.48	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Carbon tetrachloride	ND		4.7	0.42	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Chlorobenzene	ND		4.7	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Chlorobromomethane	ND		4.7	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Chlorodibromomethane	ND		4.7	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Chloroethane	ND		4.7	1.5	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Chloroform	ND		4.7	0.55	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Chloromethane	ND		4.7	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
cis-1,2-Dichloroethene	ND		4.7	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
cis-1,3-Dichloropropene	ND		4.7	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Cyclohexane	ND		4.7	0.35	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
1,2-Dibromo-3-Chloropropane	ND		4.7	0.71	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
1,2-Dibromoethane	ND		4.7	0.81	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
1,2-Dichlorobenzene	ND		4.7	0.75	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
1,3-Dichlorobenzene	ND		4.7	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
1,4-Dichlorobenzene	ND		4.7	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Dichlorobromomethane	ND		4.7	0.53	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Dichlorodifluoromethane	ND		4.7	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
1,1-Dichloroethane	ND		4.7	0.54	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
1,2-Dichloroethane	ND		4.7	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
1,1-Dichloroethene	ND		4.7	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
1,2-Dichloropropane	ND		4.7	0.51	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
1,4-Dioxane	ND		940	260	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Ethylbenzene	ND		4.7	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
2-Hexanone	ND		4.7	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Isopropylbenzene	ND		4.7	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Methyl acetate	ND		4.7	0.85	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Methylcyclohexane	ND		4.7	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Methylene Chloride	ND		4.7	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Methyl tert-butyl ether	ND		4.7	0.71	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
m-Xylene & p-Xylene	ND		9.4	1.4	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
o-Xylene	ND		4.7	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Styrene	ND		4.7	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Tetrachloroethene	ND		4.7	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Toluene	ND		4.7	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
trans-1,2-Dichloroethene	ND		4.7	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
trans-1,3-Dichloropropene	ND		4.7	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
1,2,3-Trichlorobenzene	ND		4.7	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
1,2,4-Trichlorobenzene	ND		4.7	0.83	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
1,1,1-Trichloroethane	ND		4.7	0.46	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
1,1,2-Trichloroethane	ND		4.7	0.78	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Trichloroethene	ND		4.7	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1

Client Sample ID: SSHS-B89-6-10 (7.5)
Lab Sample ID: 180-35776-11
Date Collected: 08/13/14 14:24
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.7	0.87	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.0	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1
Vinyl chloride	ND		4.7	0.44	ug/Kg	☼	08/15/14 22:06	08/16/14 05:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/16/14 05:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*	*08/15/14 22:06*	*08/16/14 05:03*	*1*
Dibromofluoromethane (Surr)	*105*		*68 - 121*	*08/15/14 22:06*	*08/16/14 05:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*	*08/15/14 22:06*	*08/16/14 05:03*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/15/14 22:06*	*08/16/14 05:03*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Acenaphthylene	ND		73	8.3	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Acetophenone	ND		360	30	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Anthracene	ND		73	7.1	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Atrazine	ND		360	35	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Benzaldehyde	ND		360	54	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Benzo[a]anthracene	ND		73	9.1	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Benzo[a]pyrene	ND		73	7.3	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Benzo[b]fluoranthene	ND		73	11	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Benzo[g,h,i]perylene	ND		73	7.2	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Benzo[k]fluoranthene	ND		73	15	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Bis(2-chloroethyl)ether	ND		73	9.8	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Caprolactam	ND		1900	270	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Carbazole	ND		73	6.7	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Chrysene	ND		73	8.7	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Dibenz(a,h)anthracene	ND		73	8.1	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
2,4-Dinitrophenol	ND		1900	430	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B89-6-10 (7.5)
Lab Sample ID: 180-35776-11
Date Collected: 08/13/14 14:24
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 91.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Fluoranthene	ND		73	7.8	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Fluorene	ND		73	9.6	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Hexachlorobenzene	ND		73	7.7	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Hexachlorobutadiene	ND		73	8.1	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Indeno[1,2,3-cd]pyrene	ND		73	7.5	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Isophorone	ND		360	27	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
2-Methylnaphthalene	ND		73	6.5	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Naphthalene	ND		73	6.3	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
N-Nitrosodi-n-propylamine	ND		73	8.5	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
2,2'-oxybis[1-chloropropane]	ND		73	7.8	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Phenanthrene	ND		73	12	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Phenol	ND		73	8.6	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
Pyrene	ND		73	7.4	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/22/14 02:20	08/22/14 18:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*150*	*T J*	*ug/Kg*	☼	*12.88*		*08/22/14 02:20*	*08/22/14 18:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*35 - 105*	*08/22/14 02:20*	*08/22/14 18:09*	*1*
2-Fluorophenol (Surr)	*79*		*39 - 103*	*08/22/14 02:20*	*08/22/14 18:09*	*1*
Nitrobenzene-d5 (Surr)	*81*		*25 - 104*	*08/22/14 02:20*	*08/22/14 18:09*	*1*
Phenol-d5 (Surr)	*76*		*25 - 105*	*08/22/14 02:20*	*08/22/14 18:09*	*1*
Terphenyl-d14 (Surr)	*81*		*25 - 127*	*08/22/14 02:20*	*08/22/14 18:09*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*35 - 124*	*08/22/14 02:20*	*08/22/14 18:09*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1

Client Sample ID: SSHS-B89-6-10 (7.5)
Date Collected: 08/13/14 14:24
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-11
Matrix: Solid
Percent Solids: 91.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.9	0.47	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
4,4'-DDT	ND		1.9	0.27	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
Dieldrin	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
Endosulfan I	ND		1.9	0.34	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
Endrin	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
Endrin ketone	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1
Toxaphene	ND		74	12	ug/Kg	☼	08/23/14 02:35	08/25/14 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/23/14 02:35*	*08/25/14 15:10*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/23/14 02:35*	*08/25/14 15:10*	*1*
Tetrachloro-m-xylene	*87*		*45 - 130*	*08/23/14 02:35*	*08/25/14 15:10*	*1*
Tetrachloro-m-xylene	*83*		*45 - 130*	*08/23/14 02:35*	*08/25/14 15:10*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/23/14 02:35	08/25/14 23:02	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/23/14 02:35	08/25/14 23:02	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/23/14 02:35	08/25/14 23:02	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/23/14 02:35	08/25/14 23:02	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/23/14 02:35	08/25/14 23:02	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/23/14 02:35	08/25/14 23:02	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/23/14 02:35	08/25/14 23:02	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/23/14 02:35	08/25/14 23:02	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/23/14 02:35	08/25/14 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 125*	*08/23/14 02:35*	*08/25/14 22:30*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/23/14 02:35*	*08/25/14 23:02*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*45 - 135*	*08/23/14 02:35*	*08/25/14 22:30*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*45 - 135*	*08/23/14 02:35*	*08/25/14 23:02*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5900**		22	2.3	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Arsenic	**6.3**		1.1	0.34	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Barium	**49**		22	0.014	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Beryllium	**0.24**	**J**	0.45	0.013	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B89-6-10 (7.5)

Date Collected: 08/13/14 14:24
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-11
Matrix: Solid
Percent Solids: 91.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.060**	**J B**	0.56	0.016	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Calcium	**47000**		560	1.7	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Chromium	**7.0**		0.56	0.086	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Cobalt	**5.4**	**J**	5.6	0.047	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Copper	**21**		2.8	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Iron	**15000**		11	0.99	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Lead	**7.2**		1.1	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Magnesium	**26000**		560	2.3	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Manganese	**460**		1.7	0.10	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Nickel	**13**	**B**	4.5	0.053	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Potassium	**590**	**B**	560	7.2	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Selenium	**0.41**	**J**	1.1	0.30	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Silver	ND		0.56	0.045	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Sodium	**180**	**J B**	560	1.2	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Vanadium	**10**		5.6	0.20	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1
Zinc	**47**	**B**	2.2	0.12	mg/Kg	☼	08/20/14 13:51	08/26/14 15:11	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.012	mg/Kg	☼	08/21/14 10:25	08/21/14 15:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.9**		0.10	0.10	%			08/15/14 11:11	1
Percent Solids	**91**		0.10	0.10	%			08/15/14 11:11	1
Cyanide, Total	**0.16**	**J**	0.54	0.16	mg/Kg	☼	08/20/14 07:00	08/20/14 09:28	1

Client Sample ID: SSHS-B89-10-15 (12.5)

Date Collected: 08/13/14 14:30
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-12
Matrix: Solid
Percent Solids: 88.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.9	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Benzene	ND		4.9	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Bromoform	ND		4.9	0.44	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Bromomethane	ND		4.9	0.73	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
2-Butanone (MEK)	ND		4.9	0.87	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Carbon disulfide	ND		4.9	0.51	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Carbon tetrachloride	ND		4.9	0.44	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Chlorobenzene	ND		4.9	0.75	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Chlorobromomethane	ND		4.9	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Chlorodibromomethane	ND		4.9	0.70	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Chloroethane	ND		4.9	1.5	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Chloroform	ND		4.9	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Chloromethane	ND		4.9	0.84	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
cis-1,2-Dichloroethene	ND		4.9	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
cis-1,3-Dichloropropene	ND		4.9	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Cyclohexane	ND		4.9	0.37	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1

Client Sample ID: SSHS-B89-10-15 (12.5)
Date Collected: 08/13/14 14:30
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-12
Matrix: Solid
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.9	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
1,2-Dibromoethane	ND		4.9	0.85	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
1,2-Dichlorobenzene	ND		4.9	0.79	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
1,3-Dichlorobenzene	ND		4.9	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
1,4-Dichlorobenzene	ND		4.9	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Dichlorobromomethane	ND		4.9	0.55	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Dichlorodifluoromethane	ND		4.9	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
1,1-Dichloroethane	ND		4.9	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
1,2-Dichloroethane	ND		4.9	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
1,1-Dichloroethene	ND		4.9	0.84	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
1,2-Dichloropropane	ND		4.9	0.54	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
1,4-Dioxane	ND		990	270	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Ethylbenzene	ND		4.9	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
2-Hexanone	ND		4.9	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Isopropylbenzene	ND		4.9	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Methyl acetate	ND		4.9	0.89	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Methylcyclohexane	ND		4.9	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Methylene Chloride	ND		4.9	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Methyl tert-butyl ether	ND		4.9	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
m-Xylene & p-Xylene	ND		9.9	1.4	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
o-Xylene	ND		4.9	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Styrene	ND		4.9	0.70	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.71	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Tetrachloroethene	ND		4.9	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Toluene	ND		4.9	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
trans-1,2-Dichloroethene	ND		4.9	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
trans-1,3-Dichloropropene	ND		4.9	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
1,2,3-Trichlorobenzene	ND		4.9	0.83	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
1,2,4-Trichlorobenzene	ND		4.9	0.87	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
1,1,1-Trichloroethane	ND		4.9	0.48	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
1,1,2-Trichloroethane	ND		4.9	0.82	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Trichloroethene	ND		4.9	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Trichlorofluoromethane	ND		4.9	0.91	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1
Vinyl chloride	ND		4.9	0.46	ug/Kg	☼	08/15/14 22:06	08/16/14 05:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/16/14 05:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*63 - 120*	*08/15/14 22:06*	*08/16/14 05:26*	*1*
Dibromofluoromethane (Surr)	*110*		*68 - 121*	*08/15/14 22:06*	*08/16/14 05:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*52 - 124*	*08/15/14 22:06*	*08/16/14 05:26*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/15/14 22:06*	*08/16/14 05:26*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	7.2	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Acenaphthylene	ND		75	8.6	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1

Client Sample ID: SSHS-B89-10-15 (12.5)
Lab Sample ID: 180-35776-12
Date Collected: 08/13/14 14:30
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 88.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		370	31	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Anthracene	ND		75	7.3	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Atrazine	ND		370	36	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Benzo[a]anthracene	ND		75	9.4	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Benzo[a]pyrene	ND		75	7.5	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Benzo[b]fluoranthene	ND		75	12	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Benzo[g,h,i]perylene	ND		75	7.4	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Benzo[k]fluoranthene	ND		75	15	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Bis(2-ethylhexyl) phthalate	ND		750	60	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
4-Bromophenyl phenyl ether	ND		370	33	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Carbazole	ND		75	6.9	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
2-Chloronaphthalene	ND		75	7.8	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
4-Chlorophenyl phenyl ether	ND		370	42	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Chrysene	ND		75	8.9	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Dibenz(a,h)anthracene	ND		75	8.3	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
3,3'-Dichlorobenzidine	ND		370	40	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
2,4-Dichlorophenol	ND		75	7.5	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
2,4-Dimethylphenol	ND		370	59	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Fluoranthene	ND		75	8.0	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Fluorene	ND		75	9.9	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Hexachlorobenzene	ND		75	8.0	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Hexachlorobutadiene	ND		75	8.4	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Indeno[1,2,3-cd]pyrene	ND		75	7.7	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Isophorone	ND		370	28	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
2-Methylnaphthalene	ND		75	6.7	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Naphthalene	ND		75	6.4	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1

Client Sample ID: SSHS-B89-10-15 (12.5)
Lab Sample ID: 180-35776-12
Date Collected: 08/13/14 14:30
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 88.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
N-Nitrosodi-n-propylamine	ND		75	8.8	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
2,2'-oxybis[1-chloropropane]	ND		75	8.1	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Phenanthrene	ND		75	12	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Phenol	ND		75	8.8	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
Pyrene	ND		75	7.6	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/22/14 02:20	08/22/14 18:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*210*	*T J*	*ug/Kg*	☼	*12.88*		*08/22/14 02:20*	*08/22/14 18:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*35 - 105*	*08/22/14 02:20*	*08/22/14 18:39*	*1*
2-Fluorophenol (Surr)	*75*		*39 - 103*	*08/22/14 02:20*	*08/22/14 18:39*	*1*
Nitrobenzene-d5 (Surr)	*78*		*25 - 104*	*08/22/14 02:20*	*08/22/14 18:39*	*1*
Phenol-d5 (Surr)	*73*		*25 - 105*	*08/22/14 02:20*	*08/22/14 18:39*	*1*
Terphenyl-d14 (Surr)	*87*		*25 - 127*	*08/22/14 02:20*	*08/22/14 18:39*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*35 - 124*	*08/22/14 02:20*	*08/22/14 18:39*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
beta-BHC	ND		1.9	0.49	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
Endosulfan sulfate	ND		1.9	0.20	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
gamma-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1

Client Sample ID: SSHS-B89-10-15 (12.5)

Date Collected: 08/13/14 14:30
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-12
Matrix: Solid
Percent Solids: 88.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1
Toxaphene	ND		75	12	ug/Kg	☼	08/23/14 02:35	08/25/14 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 130*	*08/23/14 02:35*	*08/25/14 15:26*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*08/23/14 02:35*	*08/25/14 15:26*	*1*
Tetrachloro-m-xylene	*100*		*45 - 130*	*08/23/14 02:35*	*08/25/14 15:26*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*08/23/14 02:35*	*08/25/14 15:26*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/23/14 02:35	08/25/14 23:34	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/23/14 02:35	08/25/14 23:34	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/23/14 02:35	08/25/14 23:34	1
PCB-1242	ND		19	3.0	ug/Kg	☼	08/23/14 02:35	08/25/14 23:34	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/23/14 02:35	08/25/14 23:34	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/23/14 02:35	08/25/14 23:34	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/23/14 02:35	08/25/14 23:34	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/23/14 02:35	08/25/14 23:34	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/23/14 02:35	08/25/14 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/23/14 02:35*	*08/25/14 23:02*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 125*	*08/23/14 02:35*	*08/25/14 23:34*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*45 - 135*	*08/23/14 02:35*	*08/25/14 23:02*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*45 - 135*	*08/23/14 02:35*	*08/25/14 23:34*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4400**		20	2.1	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Antimony	ND		0.99	0.20	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Arsenic	**4.9**		0.99	0.30	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Barium	**35**		20	0.013	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Beryllium	**0.21**	**J**	0.40	0.011	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Cadmium	**0.058**	**J B**	0.50	0.014	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Calcium	**1700**		500	1.5	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Chromium	**5.6**		0.50	0.076	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Cobalt	**4.2**	**J**	5.0	0.041	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Copper	**20**		2.5	0.14	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Iron	**12000**		9.9	0.88	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Lead	**5.4**		0.99	0.10	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Magnesium	**1700**		500	2.0	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Manganese	**380**		1.5	0.088	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Nickel	**11**	**B**	4.0	0.047	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Potassium	**440**	**J B**	500	6.3	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Selenium	ND		0.99	0.27	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Silver	ND		0.50	0.040	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Sodium	**84**	**J B**	500	1.0	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1
Vanadium	**7.3**		5.0	0.17	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1

Client Sample ID: SSHS-B89-10-15 (12.5)

Lab Sample ID: 180-35776-12
Date Collected: 08/13/14 14:30
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 88.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	**46**	**B**	2.0	0.10	mg/Kg	☼	08/20/14 13:51	08/26/14 15:16	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.037	0.012	mg/Kg	☼	08/21/14 10:25	08/21/14 15:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			08/15/14 11:11	1
Percent Solids	**89**		0.10	0.10	%			08/15/14 11:11	1
Cyanide, Total	**0.33**	**J**	0.57	0.17	mg/Kg	☼	08/20/14 12:00	08/20/14 12:50	1

Client Sample ID: SSHS-B82-0.17-2 (1.5)

Lab Sample ID: 180-35776-13
Date Collected: 08/13/14 16:50
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 89.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	5.3	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Benzene	ND		5.3	0.71	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Bromoform	ND		5.3	0.47	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Bromomethane	ND		5.3	0.78	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
2-Butanone (MEK)	ND		5.3	0.93	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Carbon disulfide	ND		5.3	0.54	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Carbon tetrachloride	ND		5.3	0.47	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Chlorobenzene	ND		5.3	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Chlorobromomethane	ND		5.3	0.73	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Chlorodibromomethane	ND		5.3	0.75	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Chloroethane	ND		5.3	1.6	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Chloroform	ND		5.3	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Chloromethane	ND		5.3	0.90	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
cis-1,2-Dichloroethene	ND		5.3	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
cis-1,3-Dichloropropene	ND		5.3	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Cyclohexane	ND		5.3	0.39	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
1,2-Dibromo-3-Chloropropane	ND	*	5.3	0.79	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
1,2-Dibromoethane	ND		5.3	0.91	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
1,2-Dichlorobenzene	ND	*	5.3	0.84	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
1,3-Dichlorobenzene	ND	*	5.3	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
1,4-Dichlorobenzene	ND	*	5.3	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Dichlorobromomethane	ND		5.3	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Dichlorodifluoromethane	ND		5.3	0.70	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
1,1-Dichloroethane	ND		5.3	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
1,2-Dichloroethane	ND		5.3	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
1,1-Dichloroethene	ND		5.3	0.90	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
1,2-Dichloropropane	ND		5.3	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
1,4-Dioxane	ND		1100	290	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Ethylbenzene	ND		5.3	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
2-Hexanone	ND		5.3	0.73	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Isopropylbenzene	ND		5.3	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Methyl acetate	ND		5.3	0.95	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1

Client Sample ID: SSHS-B82-0.17-2 (1.5) Lab Sample ID: 180-35776-13

Date Collected: 08/13/14 16:50 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 89.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		5.3	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Methylene Chloride	ND		5.3	0.71	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Methyl tert-butyl ether	ND		5.3	0.79	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
o-Xylene	ND		5.3	0.82	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Styrene	ND		5.3	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.76	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Tetrachloroethene	ND		5.3	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Toluene	ND		5.3	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
trans-1,2-Dichloroethene	ND		5.3	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
trans-1,3-Dichloropropene	ND		5.3	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
1,2,3-Trichlorobenzene	ND	*	5.3	0.89	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
1,2,4-Trichlorobenzene	ND	*	5.3	0.93	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
1,1,1-Trichloroethane	ND		5.3	0.51	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
1,1,2-Trichloroethane	ND		5.3	0.88	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Trichloroethene	**0.80**	**J**	5.3	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Trichlorofluoromethane	ND		5.3	0.97	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.1	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1
Vinyl chloride	ND		5.3	0.50	ug/Kg	☼	08/15/14 22:06	08/16/14 05:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/16/14 05:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*61*	*X*	*63 - 120*	*08/15/14 22:06*	*08/16/14 05:48*	*1*
Dibromofluoromethane (Surr)	*115*		*68 - 121*	*08/15/14 22:06*	*08/16/14 05:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*52 - 124*	*08/15/14 22:06*	*08/16/14 05:48*	*1*
Toluene-d8 (Surr)	*141*	*X*	*72 - 127*	*08/15/14 22:06*	*08/16/14 05:48*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**7.9**	**J**	19	4.9	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Benzene	ND		4.9	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Bromoform	ND		4.9	0.43	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Bromomethane	ND		4.9	0.72	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
2-Butanone (MEK)	ND		4.9	0.86	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Carbon disulfide	ND		4.9	0.50	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Carbon tetrachloride	ND		4.9	0.43	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Chlorobenzene	ND		4.9	0.74	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Chlorobromomethane	ND		4.9	0.67	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Chlorodibromomethane	ND		4.9	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Chloroethane	ND		4.9	1.5	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Chloroform	ND		4.9	0.57	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Chloromethane	ND		4.9	0.83	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
cis-1,2-Dichloroethene	ND		4.9	0.68	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
cis-1,3-Dichloropropene	ND		4.9	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Cyclohexane	ND		4.9	0.36	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
1,2-Dibromo-3-Chloropropane	ND	*	4.9	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
1,2-Dibromoethane	ND		4.9	0.84	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1

Client Sample ID: SSHS-B82-0.17-2 (1.5) **Lab Sample ID: 180-35776-13**
Date Collected: 08/13/14 16:50 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 89.2**

Method: 8260C - Volatile Organic Compounds by GC/MS - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND	*	4.9	0.78	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
1,3-Dichlorobenzene	ND	*	4.9	0.64	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
1,4-Dichlorobenzene	ND	*	4.9	0.62	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Dichlorobromomethane	ND		4.9	0.55	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Dichlorodifluoromethane	ND		4.9	0.65	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
1,1-Dichloroethane	ND		4.9	0.56	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
1,2-Dichloroethane	ND		4.9	0.60	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
1,1-Dichloroethene	ND		4.9	0.83	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
1,2-Dichloropropane	ND		4.9	0.53	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
1,4-Dioxane	ND		970	270	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Ethylbenzene	ND		4.9	0.63	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
2-Hexanone	ND		4.9	0.67	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Isopropylbenzene	ND		4.9	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Methyl acetate	ND		4.9	0.88	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Methylcyclohexane	ND		4.9	0.71	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Methylene Chloride	ND		4.9	0.65	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	0.64	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Methyl tert-butyl ether	ND		4.9	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
m-Xylene & p-Xylene	ND		9.7	1.4	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
o-Xylene	ND		4.9	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Styrene	ND		4.9	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.70	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Tetrachloroethene	ND		4.9	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Toluene	ND		4.9	0.71	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
trans-1,2-Dichloroethene	ND		4.9	0.58	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
trans-1,3-Dichloropropene	ND		4.9	0.58	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
1,2,3-Trichlorobenzene	ND	*	4.9	0.82	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
1,2,4-Trichlorobenzene	ND	*	4.9	0.86	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
1,1,1-Trichloroethane	ND		4.9	0.47	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
1,1,2-Trichloroethane	ND		4.9	0.81	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Trichloroethene	ND		4.9	0.64	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Trichlorofluoromethane	ND		4.9	0.89	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1
Vinyl chloride	ND		4.9	0.46	ug/Kg	☼	08/16/14 12:34	08/16/14 17:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/16/14 12:34*	*08/16/14 17:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*63 - 120*	*08/16/14 12:34*	*08/16/14 17:55*	*1*
Dibromofluoromethane (Surr)	*107*		*68 - 121*	*08/16/14 12:34*	*08/16/14 17:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*52 - 124*	*08/16/14 12:34*	*08/16/14 17:55*	*1*
Toluene-d8 (Surr)	*117*		*72 - 127*	*08/16/14 12:34*	*08/16/14 17:55*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	7.2	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Acenaphthylene	**17**	**J**	75	8.6	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Acetophenone	ND		370	31	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Anthracene	**17**	**J**	75	7.3	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1

Client Sample ID: SSHS-B82-0.17-2 (1.5)
Date Collected: 08/13/14 16:50
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-13
Matrix: Solid
Percent Solids: 89.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		370	36	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Benzo[a]anthracene	**90**		75	9.4	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Benzo[a]pyrene	**83**		75	7.5	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Benzo[b]fluoranthene	**110**		75	12	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Benzo[g,h,i]perylene	**86**		75	7.4	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Benzo[k]fluoranthene	**36**	**J**	75	15	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Bis(2-ethylhexyl) phthalate	ND		750	60	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
4-Bromophenyl phenyl ether	ND		370	33	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Carbazole	ND		75	6.9	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
2-Chloronaphthalene	ND		75	7.8	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
4-Chlorophenyl phenyl ether	ND		370	42	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Chrysene	**150**		75	8.9	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Dibenz(a,h)anthracene	ND		75	8.3	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
3,3'-Dichlorobenzidine	ND		370	40	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
2,4-Dichlorophenol	ND		75	7.5	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Fluoranthene	**120**		75	8.0	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Fluorene	ND		75	9.9	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Hexachlorobenzene	ND		75	8.0	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Hexachlorobutadiene	ND		75	8.4	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Indeno[1,2,3-cd]pyrene	**83**		75	7.7	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Isophorone	ND		370	28	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
2-Methylnaphthalene	**34**	**J**	75	6.7	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Naphthalene	**68**	**J**	75	6.4	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North
TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B82-0.17-2 (1.5)
Lab Sample ID: 180-35776-13
Date Collected: 08/13/14 16:50
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 89.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
N-Nitrosodi-n-propylamine	ND		75	8.8	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
2,2'-oxybis[1-chloropropane]	ND		75	8.1	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Phenanthrene	**140**		75	12	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Phenol	ND		75	8.8	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
Pyrene	**110**		75	7.6	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/22/14 02:20	08/22/14 19:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Straight Chain Alkane	*170*	*T J*	*ug/Kg*	☼	*9.44*		*08/22/14 02:20*	*08/22/14 19:08*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*9.88*		*08/22/14 02:20*	*08/22/14 19:08*	*1*
Unknown Straight Chain Alkane	*180*	*T J*	*ug/Kg*	☼	*10.27*		*08/22/14 02:20*	*08/22/14 19:08*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*10.67*		*08/22/14 02:20*	*08/22/14 19:08*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*11.08*		*08/22/14 02:20*	*08/22/14 19:08*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*11.97*		*08/22/14 02:20*	*08/22/14 19:08*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*12.48*		*08/22/14 02:20*	*08/22/14 19:08*	*1*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*12.89*		*08/22/14 02:20*	*08/22/14 19:08*	*1*
Unknown	*610*	*T J*	*ug/Kg*	☼	*12.95*		*08/22/14 02:20*	*08/22/14 19:08*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*13.03*		*08/22/14 02:20*	*08/22/14 19:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*35 - 105*	*08/22/14 02:20*	*08/22/14 19:08*	*1*
2-Fluorophenol (Surr)	*76*		*39 - 103*	*08/22/14 02:20*	*08/22/14 19:08*	*1*
Nitrobenzene-d5 (Surr)	*79*		*25 - 104*	*08/22/14 02:20*	*08/22/14 19:08*	*1*
Phenol-d5 (Surr)	*73*		*25 - 105*	*08/22/14 02:20*	*08/22/14 19:08*	*1*
Terphenyl-d14 (Surr)	*75*		*25 - 127*	*08/22/14 02:20*	*08/22/14 19:08*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*35 - 124*	*08/22/14 02:20*	*08/22/14 19:08*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1

Client Sample Results

Client Sample ID: SSHS-B82-0.17-2 (1.5)
Lab Sample ID: 180-35776-13
Date Collected: 08/13/14 16:50
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 89.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
gamma-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1
Toxaphene	ND		75	12	ug/Kg	☼	08/23/14 02:35	08/25/14 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 130*	*08/23/14 02:35*	*08/25/14 15:41*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 130*	*08/23/14 02:35*	*08/25/14 15:41*	*1*
Tetrachloro-m-xylene	*84*		*45 - 130*	*08/23/14 02:35*	*08/25/14 15:41*	*1*
Tetrachloro-m-xylene	*79*		*45 - 130*	*08/23/14 02:35*	*08/25/14 15:41*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/23/14 02:35	08/26/14 00:07	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/23/14 02:35	08/26/14 00:07	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/23/14 02:35	08/26/14 00:07	1
PCB-1242	ND		19	3.0	ug/Kg	☼	08/23/14 02:35	08/26/14 00:07	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/23/14 02:35	08/26/14 00:07	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/23/14 02:35	08/26/14 00:07	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/23/14 02:35	08/26/14 00:07	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/23/14 02:35	08/26/14 00:07	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/23/14 02:35	08/26/14 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*63*		*45 - 125*	*08/23/14 02:35*	*08/25/14 23:34*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/23/14 02:35*	*08/26/14 00:07*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*45 - 135*	*08/23/14 02:35*	*08/25/14 23:34*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*	*08/23/14 02:35*	*08/26/14 00:07*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6600**		22	2.3	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Antimony	**2.1**		1.1	0.22	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Arsenic	**12**		1.1	0.34	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Barium	**71**		22	0.014	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Beryllium	**0.34**	**J**	0.45	0.013	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Cadmium	**0.26**	**J B**	0.56	0.016	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Calcium	**26000**		560	1.7	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Chromium	**9.0**		0.56	0.087	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Cobalt	**9.3**		5.6	0.047	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Copper	**110**		2.8	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Iron	**48000**		11	0.99	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Lead	**59**		1.1	0.11	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Magnesium	**3400**		560	2.3	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Manganese	**440**		1.7	0.10	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1

Client Sample Results

Client Sample ID: SSHS-B82-0.17-2 (1.5)

Lab Sample ID: 180-35776-13

Date Collected: 08/13/14 16:50
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 89.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**18**	**B**	4.5	0.053	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Potassium	**450**	**J B**	560	7.2	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Selenium	**1.0**	**J**	1.1	0.30	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Silver	ND		0.56	0.045	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Sodium	**330**	**J B**	560	1.2	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Thallium	**0.37**	**J**	2.2	0.16	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Vanadium	**13**		5.6	0.20	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1
Zinc	**120**	**B**	2.2	0.12	mg/Kg	☼	08/20/14 13:51	08/26/14 15:22	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.023**	**J**	0.037	0.012	mg/Kg	☼	08/21/14 10:25	08/21/14 15:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**89**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	**1.3**		0.53	0.16	mg/Kg	☼	08/20/14 12:00	08/20/14 12:50	1

Client Sample ID: SSHS-B82-2-6 (4)

Lab Sample ID: 180-35776-14

Date Collected: 08/13/14 16:58
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 91.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.9	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Benzene	ND		4.9	0.66	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Bromoform	ND		4.9	0.43	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Bromomethane	ND		4.9	0.72	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
2-Butanone (MEK)	ND		4.9	0.86	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Carbon disulfide	ND		4.9	0.50	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Carbon tetrachloride	ND		4.9	0.44	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Chlorobenzene	ND		4.9	0.74	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Chlorobromomethane	ND		4.9	0.67	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Chlorodibromomethane	ND		4.9	0.69	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Chloroethane	ND		4.9	1.5	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Chloroform	ND		4.9	0.57	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Chloromethane	ND		4.9	0.83	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
cis-1,2-Dichloroethene	ND		4.9	0.69	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
cis-1,3-Dichloropropene	ND		4.9	0.66	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Cyclohexane	ND		4.9	0.36	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
1,2-Dibromo-3-Chloropropane	ND		4.9	0.73	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
1,2-Dibromoethane	ND		4.9	0.84	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
1,2-Dichlorobenzene	ND		4.9	0.78	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
1,3-Dichlorobenzene	ND		4.9	0.64	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
1,4-Dichlorobenzene	ND		4.9	0.62	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Dichlorobromomethane	ND		4.9	0.55	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Dichlorodifluoromethane	ND		4.9	0.65	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
1,1-Dichloroethane	ND		4.9	0.56	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
1,2-Dichloroethane	ND		4.9	0.60	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1

Client Sample ID: SSHS-B82-2-6 (4) **Lab Sample ID: 180-35776-14**
Date Collected: 08/13/14 16:58 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 91.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		4.9	0.83	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
1,2-Dichloropropane	ND		4.9	0.53	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
1,4-Dioxane	ND		980	270	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Ethylbenzene	ND		4.9	0.63	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
2-Hexanone	ND		4.9	0.67	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Isopropylbenzene	ND		4.9	0.66	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Methyl acetate	ND		4.9	0.88	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Methylcyclohexane	ND		4.9	0.71	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Methylene Chloride	ND		4.9	0.66	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	0.64	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Methyl tert-butyl ether	ND		4.9	0.73	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
m-Xylene & p-Xylene	ND		9.8	1.4	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
o-Xylene	ND		4.9	0.76	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Styrene	ND		4.9	0.69	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.70	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Tetrachloroethene	ND		4.9	0.66	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Toluene	ND		4.9	0.71	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
trans-1,2-Dichloroethene	ND		4.9	0.58	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
trans-1,3-Dichloropropene	ND		4.9	0.58	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
1,2,3-Trichlorobenzene	ND		4.9	0.82	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
1,2,4-Trichlorobenzene	ND		4.9	0.86	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
1,1,1-Trichloroethane	ND		4.9	0.47	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
1,1,2-Trichloroethane	ND		4.9	0.81	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Trichloroethene	ND		4.9	0.64	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Trichlorofluoromethane	ND		4.9	0.90	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.0	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1
Vinyl chloride	ND		4.9	0.46	ug/Kg	☼	08/15/14 22:06	08/15/14 23:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/15/14 23:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/15/14 22:06*	*08/15/14 23:48*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*08/15/14 22:06*	*08/15/14 23:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*52 - 124*	*08/15/14 22:06*	*08/15/14 23:48*	*1*
Toluene-d8 (Surr)	*104*		*72 - 127*	*08/15/14 22:06*	*08/15/14 23:48*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	7.0	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Acenaphthylene	ND		74	8.4	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Acetophenone	ND		360	30	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Anthracene	ND		74	7.2	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Atrazine	ND		360	36	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Benzo[a]anthracene	ND		74	9.2	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Benzo[a]pyrene	ND		74	7.3	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Benzo[b]fluoranthene	ND		74	12	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Benzo[g,h,i]perylene	ND		74	7.3	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Benzo[k]fluoranthene	ND		74	15	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1

Client Sample ID: SSHS-B82-2-6 (4) **Lab Sample ID: 180-35776-14**
Date Collected: 08/13/14 16:58 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 91.0**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Bis(2-chloroethyl)ether	ND		74	9.8	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Bis(2-ethylhexyl) phthalate	ND		740	59	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Carbazole	ND		74	6.8	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
2-Chloronaphthalene	ND		74	7.6	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Chrysene	ND		74	8.7	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Dibenz(a,h)anthracene	ND		74	8.2	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Fluoranthene	ND		74	7.8	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Fluorene	ND		74	9.7	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Hexachlorobenzene	ND		74	7.8	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Hexachlorobutadiene	ND		74	8.2	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Hexachlorocyclopentadiene	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Indeno[1,2,3-cd]pyrene	ND		74	7.5	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Isophorone	ND		360	28	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
2-Methylnaphthalene	ND		74	6.6	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Naphthalene	ND		74	6.3	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
N-Nitrosodi-n-propylamine	ND		74	8.6	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
2,2'-oxybis[1-chloropropane]	ND		74	7.9	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1

Client Sample ID: SSHS-B82-2-6 (4) **Lab Sample ID: 180-35776-14**
Date Collected: 08/13/14 16:58 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 91.0**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Phenanthrene	ND		74	12	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Phenol	ND		74	8.7	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
Pyrene	ND		74	7.4	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
2,3,4,6-Tetrachlorophenol	ND		360	24	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/23/14 02:20	08/25/14 02:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*660*	*T J*	*ug/Kg*	☼	*12.83*		*08/23/14 02:20*	*08/25/14 02:51*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*12.88*		*08/23/14 02:20*	*08/25/14 02:51*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*15.80*		*08/23/14 02:20*	*08/25/14 02:51*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*18.76*		*08/23/14 02:20*	*08/25/14 02:51*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*18.78*		*08/23/14 02:20*	*08/25/14 02:51*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*18.80*		*08/23/14 02:20*	*08/25/14 02:51*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*18.89*		*08/23/14 02:20*	*08/25/14 02:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*35 - 105*	*08/23/14 02:20*	*08/25/14 02:51*	*1*
2-Fluorophenol (Surr)	*85*		*39 - 103*	*08/23/14 02:20*	*08/25/14 02:51*	*1*
Nitrobenzene-d5 (Surr)	*98*		*25 - 104*	*08/23/14 02:20*	*08/25/14 02:51*	*1*
Phenol-d5 (Surr)	*84*		*25 - 105*	*08/23/14 02:20*	*08/25/14 02:51*	*1*
Terphenyl-d14 (Surr)	*107*		*25 - 127*	*08/23/14 02:20*	*08/25/14 02:51*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*35 - 124*	*08/23/14 02:20*	*08/25/14 02:51*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
beta-BHC	ND		1.9	0.47	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
4,4'-DDE	ND		1.9	0.27	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
4,4'-DDT	ND		1.9	0.27	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
Dieldrin	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
Endosulfan I	ND		1.9	0.34	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
Endrin	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
Endrin aldehyde	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
Endrin ketone	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
Heptachlor	ND		1.9	0.40	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
Heptachlor epoxide	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1
Toxaphene	ND		73	12	ug/Kg	☼	08/23/14 02:50	08/25/14 17:30	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B82-2-6 (4)

Date Collected: 08/13/14 16:58
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-14
Matrix: Solid
Percent Solids: 91.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/23/14 02:50*	*08/25/14 17:30*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/23/14 02:50*	*08/25/14 17:30*	*1*
Tetrachloro-m-xylene	*92*		*45 - 130*	*08/23/14 02:50*	*08/25/14 17:30*	*1*
Tetrachloro-m-xylene	*88*		*45 - 130*	*08/23/14 02:50*	*08/25/14 17:30*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/23/14 02:50	08/25/14 14:14	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/23/14 02:50	08/25/14 14:14	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/23/14 02:50	08/25/14 14:14	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/23/14 02:50	08/25/14 14:14	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/23/14 02:50	08/25/14 14:14	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/23/14 02:50	08/25/14 14:14	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/23/14 02:50	08/25/14 14:14	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/23/14 02:50	08/25/14 14:14	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/23/14 02:50	08/25/14 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 125*	*08/23/14 02:50*	*08/25/14 14:14*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*	*08/23/14 02:50*	*08/25/14 14:14*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6000**		22	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Arsenic	**7.2**		1.1	0.34	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Barium	**43**	**B**	22	0.014	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Beryllium	**0.28**	**J**	0.44	0.012	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Cadmium	**0.071**	**J**	0.55	0.016	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Calcium	**8800**	**B**	550	1.6	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Chromium	**7.7**		0.55	0.085	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Cobalt	**4.8**	**J**	5.5	0.046	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Copper	**18**		2.7	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Iron	**14000**	**B**	11	0.97	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Lead	**9.3**		1.1	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Magnesium	**4400**	**B**	550	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Manganese	**520**		1.6	0.098	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Nickel	**12**		4.4	0.052	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Potassium	**530**	**J B**	550	7.0	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Selenium	**0.30**	**J**	1.1	0.29	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Silver	ND		0.55	0.044	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Sodium	**130**	**J B**	550	1.2	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Vanadium	**9.9**		5.5	0.19	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1
Zinc	**53**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 18:54	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.017**	**J**	0.035	0.011	mg/Kg	☼	08/21/14 10:24	08/21/14 13:58	1

Client Sample Results

Client Sample ID: SSHS-B82-2-6 (4)

Lab Sample ID: 180-35776-14

Date Collected: 08/13/14 16:58
Matrix: Solid
Date Received: 08/14/14 13:08

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.0**		0.10	0.10	%			08/15/14 11:11	1
Percent Solids	**91**		0.10	0.10	%			08/15/14 11:11	1
Cyanide, Total	ND		0.55	0.16	mg/Kg	☼	08/20/14 12:00	08/20/14 12:50	1

Client Sample ID: SSHS-B82-6-10 (8)

Lab Sample ID: 180-35776-15

Date Collected: 08/13/14 17:08
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 94.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		16	4.0	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Benzene	ND		4.0	0.54	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Bromoform	ND		4.0	0.36	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Bromomethane	ND		4.0	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
2-Butanone (MEK)	ND		4.0	0.71	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Carbon disulfide	ND		4.0	0.41	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Carbon tetrachloride	ND		4.0	0.36	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Chlorobenzene	ND		4.0	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Chlorobromomethane	ND		4.0	0.55	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Chlorodibromomethane	ND		4.0	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Chloroethane	ND		4.0	1.2	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Chloroform	ND		4.0	0.47	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Chloromethane	ND		4.0	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
cis-1,2-Dichloroethene	ND		4.0	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
cis-1,3-Dichloropropene	ND		4.0	0.55	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Cyclohexane	ND		4.0	0.30	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
1,2-Dibromo-3-Chloropropane	ND		4.0	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
1,2-Dibromoethane	ND		4.0	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
1,2-Dichlorobenzene	ND		4.0	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
1,3-Dichlorobenzene	ND		4.0	0.53	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
1,4-Dichlorobenzene	ND		4.0	0.51	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Dichlorobromomethane	ND		4.0	0.45	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Dichlorodifluoromethane	ND		4.0	0.54	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
1,1-Dichloroethane	ND		4.0	0.46	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
1,2-Dichloroethane	ND		4.0	0.49	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
1,1-Dichloroethene	ND		4.0	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
1,2-Dichloropropane	ND		4.0	0.44	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
1,4-Dioxane	ND		800	220	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Ethylbenzene	ND		4.0	0.52	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
2-Hexanone	ND		4.0	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Isopropylbenzene	ND		4.0	0.55	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Methyl acetate	ND		4.0	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Methylcyclohexane	ND		4.0	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Methylene Chloride	ND		4.0	0.54	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
4-Methyl-2-pentanone (MIBK)	ND		4.0	0.52	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Methyl tert-butyl ether	ND		4.0	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
m-Xylene & p-Xylene	ND		8.0	1.2	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
o-Xylene	ND		4.0	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Styrene	ND		4.0	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
1,1,2,2-Tetrachloroethane	ND		4.0	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B82-6-10 (8) **Lab Sample ID: 180-35776-15**
Date Collected: 08/13/14 17:08 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 94.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		4.0	0.55	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Toluene	ND		4.0	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
trans-1,2-Dichloroethene	ND		4.0	0.48	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
trans-1,3-Dichloropropene	ND		4.0	0.48	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
1,2,3-Trichlorobenzene	ND		4.0	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
1,2,4-Trichlorobenzene	ND		4.0	0.71	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
1,1,1-Trichloroethane	ND		4.0	0.39	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
1,1,2-Trichloroethane	ND		4.0	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Trichloroethene	ND		4.0	0.53	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Trichlorofluoromethane	ND		4.0	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	0.86	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1
Vinyl chloride	ND		4.0	0.38	ug/Kg	☼	08/15/14 22:06	08/16/14 06:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/16/14 06:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*63 - 120*	*08/15/14 22:06*	*08/16/14 06:11*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*08/15/14 22:06*	*08/16/14 06:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*	*08/15/14 22:06*	*08/16/14 06:11*	*1*
Toluene-d8 (Surr)	*107*		*72 - 127*	*08/15/14 22:06*	*08/16/14 06:11*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	6.8	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Acenaphthylene	ND		71	8.1	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Acetophenone	ND		350	29	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Anthracene	ND		71	6.9	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Atrazine	ND		350	34	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Benzo[a]anthracene	ND		71	8.9	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Benzo[a]pyrene	ND		71	7.1	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Benzo[b]fluoranthene	ND		71	11	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Benzo[g,h,i]perylene	ND		71	7.0	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Benzo[k]fluoranthene	ND		71	14	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Bis(2-chloroethyl)ether	ND		71	9.5	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Bis(2-ethylhexyl) phthalate	ND		710	57	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Carbazole	ND		71	6.5	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
2-Chloronaphthalene	ND		71	7.4	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Chrysene	ND		71	8.4	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Dibenz(a,h)anthracene	ND		71	7.9	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B82-6-10 (8)
Date Collected: 08/13/14 17:08
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-15
Matrix: Solid
Percent Solids: 94.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		350	35	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
2,4-Dichlorophenol	ND		71	7.1	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
1,4-Dioxane	ND		710	41	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Fluoranthene	ND		71	7.6	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Fluorene	ND		71	9.3	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Hexachlorobenzene	ND		71	7.5	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Hexachlorobutadiene	ND		71	7.9	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Indeno[1,2,3-cd]pyrene	ND		71	7.3	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Isophorone	ND		350	27	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
2-Methylnaphthalene	ND		71	6.4	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Naphthalene	ND		71	6.1	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Nitrobenzene	ND		710	29	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
N-Nitrosodi-n-propylamine	ND		71	8.3	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
2,2'-oxybis[1-chloropropane]	ND		71	7.6	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Phenanthrene	ND		71	11	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Phenol	ND		71	8.4	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
Pyrene	ND		71	7.2	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/22/14 02:20	08/22/14 19:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*880*	*T J*	*ug/Kg*	☼	*12.89*		*08/22/14 02:20*	*08/22/14 19:37*	*1*
Unknown	*520*	*T J*	*ug/Kg*	☼	*12.94*		*08/22/14 02:20*	*08/22/14 19:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*35 - 105*	*08/22/14 02:20*	*08/22/14 19:37*	*1*
2-Fluorophenol (Surr)	*84*		*39 - 103*	*08/22/14 02:20*	*08/22/14 19:37*	*1*

Client Sample ID: SSHS-B82-6-10 (8)
Date Collected: 08/13/14 17:08
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-15
Matrix: Solid
Percent Solids: 94.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*85*		*25 - 104*	*08/22/14 02:20*	*08/22/14 19:37*	*1*
Phenol-d5 (Surr)	*79*		*25 - 105*	*08/22/14 02:20*	*08/22/14 19:37*	*1*
Terphenyl-d14 (Surr)	*95*		*25 - 127*	*08/22/14 02:20*	*08/22/14 19:37*	*1*
2,4,6-Tribromophenol (Surr)	*89*		*35 - 124*	*08/22/14 02:20*	*08/22/14 19:37*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1
Toxaphene	ND		71	12	ug/Kg	☼	08/23/14 02:35	08/25/14 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/23/14 02:35*	*08/25/14 15:57*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/23/14 02:35*	*08/25/14 15:57*	*1*
Tetrachloro-m-xylene	*93*		*45 - 130*	*08/23/14 02:35*	*08/25/14 15:57*	*1*
Tetrachloro-m-xylene	*90*		*45 - 130*	*08/23/14 02:35*	*08/25/14 15:57*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/23/14 02:35	08/26/14 00:39	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/23/14 02:35	08/26/14 00:39	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/23/14 02:35	08/26/14 00:39	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/23/14 02:35	08/26/14 00:39	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/23/14 02:35	08/26/14 00:39	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/23/14 02:35	08/26/14 00:39	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/23/14 02:35	08/26/14 00:39	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/23/14 02:35	08/26/14 00:39	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/23/14 02:35	08/26/14 00:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 125*	*08/23/14 02:35*	*08/26/14 00:07*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*	*08/23/14 02:35*	*08/26/14 00:39*	*1*

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

Client Sample ID: SSHS-B82-6-10 (8)

Lab Sample ID: 180-35776-15

Date Collected: 08/13/14 17:08
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 94.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*	*08/23/14 02:35*	*08/26/14 00:07*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*	*08/23/14 02:35*	*08/26/14 00:39*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5100**		21	2.2	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Antimony	ND		1.1	0.21	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Arsenic	**4.6**		1.1	0.32	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Barium	**27**	**B**	21	0.013	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Beryllium	**0.21**	**J**	0.42	0.012	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Cadmium	**0.055**	**J**	0.53	0.015	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Calcium	**44000**	**B**	530	1.6	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Chromium	**6.1**		0.53	0.081	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Cobalt	**4.6**	**J**	5.3	0.044	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Copper	**16**		2.6	0.15	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Iron	**12000**	**B**	11	0.93	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Lead	**5.0**		1.1	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Magnesium	**16000**	**B**	530	2.2	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Manganese	**310**		1.6	0.093	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Nickel	**11**		4.2	0.050	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Potassium	**550**	**B**	530	6.7	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Selenium	**0.43**	**J**	1.1	0.28	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Silver	ND		0.53	0.042	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Sodium	**100**	**J B**	530	1.1	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Vanadium	**8.3**		5.3	0.18	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1
Zinc	**39**	**B**	2.1	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 19:18	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.011	mg/Kg	☼	08/21/14 10:24	08/21/14 14:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.8**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**94**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/20/14 12:00	08/20/14 12:58	1

Client Sample ID: SSHS-B82-10-15 (12.5)

Lab Sample ID: 180-35776-16

Date Collected: 08/13/14 17:15
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 93.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.2	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Benzene	ND		4.2	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Bromoform	ND		4.2	0.37	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Bromomethane	ND		4.2	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
2-Butanone (MEK)	ND		4.2	0.73	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Carbon disulfide	ND		4.2	0.43	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1

Client Sample ID: SSHS-B82-10-15 (12.5) **Lab Sample ID: 180-35776-16**

Date Collected: 08/13/14 17:15 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 93.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		4.2	0.37	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Chlorobenzene	ND		4.2	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Chlorobromomethane	ND		4.2	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Chlorodibromomethane	ND		4.2	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Chloroethane	ND		4.2	1.3	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Chloroform	ND		4.2	0.49	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Chloromethane	ND		4.2	0.71	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
cis-1,2-Dichloroethene	ND		4.2	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
cis-1,3-Dichloropropene	ND		4.2	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Cyclohexane	ND		4.2	0.31	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
1,2-Dibromo-3-Chloropropane	ND		4.2	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
1,2-Dibromoethane	ND		4.2	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
1,2-Dichlorobenzene	ND		4.2	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
1,3-Dichlorobenzene	ND		4.2	0.55	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
1,4-Dichlorobenzene	ND		4.2	0.53	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Dichlorobromomethane	ND		4.2	0.47	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Dichlorodifluoromethane	ND		4.2	0.55	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
1,1-Dichloroethane	ND		4.2	0.48	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
1,2-Dichloroethane	ND		4.2	0.51	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
1,1-Dichloroethene	ND		4.2	0.70	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
1,2-Dichloropropane	ND		4.2	0.45	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
1,4-Dioxane	ND		830	230	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Ethylbenzene	ND		4.2	0.53	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
2-Hexanone	ND		4.2	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Isopropylbenzene	ND		4.2	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Methyl acetate	ND		4.2	0.75	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Methylcyclohexane	ND		4.2	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Methylene Chloride	ND		4.2	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.54	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Methyl tert-butyl ether	ND		4.2	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
m-Xylene & p-Xylene	ND		8.3	1.2	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
o-Xylene	ND		4.2	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Styrene	ND		4.2	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Tetrachloroethene	ND		4.2	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Toluene	ND		4.2	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
trans-1,2-Dichloroethene	ND		4.2	0.50	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
trans-1,3-Dichloropropene	ND		4.2	0.50	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
1,2,3-Trichlorobenzene	ND		4.2	0.70	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
1,2,4-Trichlorobenzene	ND		4.2	0.73	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
1,1,1-Trichloroethane	ND		4.2	0.40	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
1,1,2-Trichloroethane	ND		4.2	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Trichloroethene	ND		4.2	0.55	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Trichlorofluoromethane	ND		4.2	0.76	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.89	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1
Vinyl chloride	ND		4.2	0.39	ug/Kg	☼	08/15/14 22:06	08/16/14 06:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/16/14 06:33*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-1

Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B82-10-15 (12.5) **Lab Sample ID: 180-35776-16**

Date Collected: 08/13/14 17:15 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 93.6**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/15/14 22:06*	*08/16/14 06:33*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/15/14 22:06*	*08/16/14 06:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*52 - 124*	*08/15/14 22:06*	*08/16/14 06:33*	*1*
Toluene-d8 (Surr)	*109*		*72 - 127*	*08/15/14 22:06*	*08/16/14 06:33*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	6.8	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Acenaphthylene	ND		71	8.1	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Acetophenone	ND		350	29	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Anthracene	ND		71	6.9	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Atrazine	ND		350	34	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Benzo[a]anthracene	ND		71	8.9	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Benzo[a]pyrene	ND		71	7.1	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Benzo[b]fluoranthene	ND		71	11	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Benzo[g,h,i]perylene	ND		71	7.0	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Benzo[k]fluoranthene	ND		71	14	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Bis(2-chloroethyl)ether	ND		71	9.5	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Bis(2-ethylhexyl) phthalate	ND		710	57	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Carbazole	ND		71	6.5	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
2-Chloronaphthalene	ND		71	7.4	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Chrysene	ND		71	8.4	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Dibenz(a,h)anthracene	ND		71	7.9	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
2,4-Dichlorophenol	ND		71	7.1	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
1,4-Dioxane	ND		710	41	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Fluoranthene	ND		71	7.6	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Fluorene	ND		71	9.3	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Hexachlorobenzene	ND		71	7.5	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Hexachlorobutadiene	ND		71	7.9	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1

Client Sample ID: SSHS-B82-10-15 (12.5)
Date Collected: 08/13/14 17:15
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-16
Matrix: Solid
Percent Solids: 93.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Indeno[1,2,3-cd]pyrene	ND		71	7.3	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Isophorone	ND		350	27	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
2-Methylnaphthalene	ND		71	6.4	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Naphthalene	ND		71	6.1	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Nitrobenzene	ND		710	29	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
N-Nitrosodi-n-propylamine	ND		71	8.3	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
2,2'-oxybis[1-chloropropane]	ND		71	7.6	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Phenanthrene	ND		71	11	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Phenol	ND		71	8.4	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
Pyrene	ND		71	7.2	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/22/14 02:20	08/22/14 20:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*450*	*T J*	*ug/Kg*	☼	*12.88*		*08/22/14 02:20*	*08/22/14 20:06*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*12.94*		*08/22/14 02:20*	*08/22/14 20:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*35 - 105*	*08/22/14 02:20*	*08/22/14 20:06*	*1*
2-Fluorophenol (Surr)	*83*		*39 - 103*	*08/22/14 02:20*	*08/22/14 20:06*	*1*
Nitrobenzene-d5 (Surr)	*84*		*25 - 104*	*08/22/14 02:20*	*08/22/14 20:06*	*1*
Phenol-d5 (Surr)	*78*		*25 - 105*	*08/22/14 02:20*	*08/22/14 20:06*	*1*
Terphenyl-d14 (Surr)	*89*		*25 - 127*	*08/22/14 02:20*	*08/22/14 20:06*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*35 - 124*	*08/22/14 02:20*	*08/22/14 20:06*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1

Client Sample ID: SSHS-B82-10-15 (12.5)
Date Collected: 08/13/14 17:15
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-16
Matrix: Solid
Percent Solids: 93.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1
Toxaphene	ND		72	12	ug/Kg	☼	08/23/14 02:35	08/25/14 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/23/14 02:35*	*08/25/14 16:12*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/23/14 02:35*	*08/25/14 16:12*	*1*
Tetrachloro-m-xylene	*90*		*45 - 130*	*08/23/14 02:35*	*08/25/14 16:12*	*1*
Tetrachloro-m-xylene	*88*		*45 - 130*	*08/23/14 02:35*	*08/25/14 16:12*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/23/14 02:35	08/26/14 01:11	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/23/14 02:35	08/26/14 01:11	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/23/14 02:35	08/26/14 01:11	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/23/14 02:35	08/26/14 01:11	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/23/14 02:35	08/26/14 01:11	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/23/14 02:35	08/26/14 01:11	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/23/14 02:35	08/26/14 01:11	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/23/14 02:35	08/26/14 01:11	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/23/14 02:35	08/26/14 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 125*	*08/23/14 02:35*	*08/26/14 00:39*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/23/14 02:35*	*08/26/14 01:11*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*45 - 135*	*08/23/14 02:35*	*08/26/14 00:39*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*45 - 135*	*08/23/14 02:35*	*08/26/14 01:11*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4800**		21	2.2	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Antimony	ND		1.0	0.21	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Arsenic	**4.8**		1.0	0.32	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Barium	**42**	**B**	21	0.013	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Beryllium	**0.20**	**J**	0.42	0.012	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Cadmium	**0.060**	**J**	0.52	0.015	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Calcium	**85000**	**B**	1000	3.1	mg/Kg	☼	08/20/14 13:59	08/27/14 10:04	2
Chromium	**5.9**		0.52	0.081	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Cobalt	**4.6**	**J**	5.2	0.044	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Copper	**17**		2.6	0.15	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Iron	**12000**	**B**	10	0.93	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Lead	**5.6**		1.0	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1

Client Sample ID: SSHS-B82-10-15 (12.5)

Lab Sample ID: 180-35776-16
Date Collected: 08/13/14 17:15
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 93.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**8300**	**B**	520	2.2	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Manganese	**420**		1.6	0.093	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Nickel	**12**		4.2	0.050	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Potassium	**500**	**J B**	520	6.7	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Selenium	**0.50**	**J**	1.0	0.28	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Sodium	**110**	**J B**	520	1.1	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Vanadium	**8.2**		5.2	0.18	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1
Zinc	**49**	**B**	2.1	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 19:24	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.011	mg/Kg	☼	08/21/14 10:24	08/21/14 14:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.4**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**94**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	ND		0.53	0.16	mg/Kg	☼	08/20/14 12:00	08/20/14 12:58	1

Client Sample ID: SSHS-B83-2-6 (5.5)

Lab Sample ID: 180-35776-17
Date Collected: 08/13/14 17:45
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 84.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**6.4**	**J**	21	5.3	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Benzene	ND		5.3	0.71	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Bromoform	ND		5.3	0.47	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Bromomethane	ND		5.3	0.78	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
2-Butanone (MEK)	ND		5.3	0.93	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Carbon disulfide	ND		5.3	0.54	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Carbon tetrachloride	ND		5.3	0.47	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Chlorobenzene	ND		5.3	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Chlorobromomethane	ND		5.3	0.73	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Chlorodibromomethane	ND		5.3	0.75	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Chloroethane	ND		5.3	1.6	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Chloroform	ND		5.3	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Chloromethane	ND		5.3	0.90	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
cis-1,2-Dichloroethene	ND		5.3	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
cis-1,3-Dichloropropene	ND		5.3	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Cyclohexane	ND		5.3	0.39	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
1,2-Dibromo-3-Chloropropane	ND		5.3	0.79	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
1,2-Dibromoethane	ND		5.3	0.91	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
1,2-Dichlorobenzene	ND		5.3	0.84	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
1,3-Dichlorobenzene	ND		5.3	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
1,4-Dichlorobenzene	ND		5.3	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Dichlorobromomethane	ND		5.3	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Dichlorodifluoromethane	ND		5.3	0.70	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1

Client Sample ID: SSHS-B83-2-6 (5.5)
Lab Sample ID: 180-35776-17
Date Collected: 08/13/14 17:45
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.3	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
1,2-Dichloroethane	ND		5.3	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
1,1-Dichloroethene	ND		5.3	0.90	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
1,2-Dichloropropane	ND		5.3	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
1,4-Dioxane	ND		1100	290	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Ethylbenzene	ND		5.3	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
2-Hexanone	ND		5.3	0.73	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Isopropylbenzene	ND		5.3	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Methyl acetate	ND		5.3	0.95	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Methylcyclohexane	ND		5.3	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Methylene Chloride	ND		5.3	0.71	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Methyl tert-butyl ether	ND		5.3	0.79	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
o-Xylene	ND		5.3	0.82	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Styrene	ND		5.3	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.76	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Tetrachloroethene	ND		5.3	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Toluene	ND		5.3	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
trans-1,2-Dichloroethene	ND		5.3	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
trans-1,3-Dichloropropene	ND		5.3	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
1,2,3-Trichlorobenzene	ND		5.3	0.89	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
1,2,4-Trichlorobenzene	ND		5.3	0.93	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
1,1,1-Trichloroethane	ND		5.3	0.51	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
1,1,2-Trichloroethane	ND		5.3	0.88	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Trichloroethene	ND		5.3	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Trichlorofluoromethane	ND		5.3	0.97	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.1	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1
Vinyl chloride	ND		5.3	0.50	ug/Kg	☼	08/15/14 22:06	08/16/14 06:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/16/14 06:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/15/14 22:06*	*08/16/14 06:56*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/15/14 22:06*	*08/16/14 06:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*	*08/15/14 22:06*	*08/16/14 06:56*	*1*
Toluene-d8 (Surr)	*104*		*72 - 127*	*08/15/14 22:06*	*08/16/14 06:56*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	7.6	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Acenaphthylene	ND		79	9.0	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Acetophenone	ND		390	32	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Anthracene	ND		79	7.7	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Atrazine	ND		390	38	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Benzaldehyde	ND		390	59	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Benzo[a]anthracene	ND		79	9.9	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Benzo[a]pyrene	ND		79	7.9	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Benzo[b]fluoranthene	ND		79	12	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B83-2-6 (5.5)

Date Collected: 08/13/14 17:45
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-17

Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		79	7.8	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Benzo[k]fluoranthene	ND		79	16	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
1,1'-Biphenyl	ND		390	35	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Bis(2-chloroethoxy)methane	ND		390	26	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Bis(2-chloroethyl)ether	ND		79	11	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Bis(2-ethylhexyl) phthalate	ND		790	64	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
4-Bromophenyl phenyl ether	ND		390	34	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Butyl benzyl phthalate	ND		390	54	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Caprolactam	ND		2000	300	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Carbazole	ND		79	7.3	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
4-Chloroaniline	ND		390	32	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
4-Chloro-3-methylphenol	ND		390	36	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
2-Chloronaphthalene	ND		79	8.2	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
2-Chlorophenol	ND		390	32	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
4-Chlorophenyl phenyl ether	ND		390	44	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Chrysene	ND		79	9.4	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Dibenz(a,h)anthracene	ND		79	8.8	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Dibenzofuran	ND		390	39	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
3,3'-Dichlorobenzidine	ND		390	42	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
2,4-Dichlorophenol	ND		79	7.9	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Diethyl phthalate	ND		390	43	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
2,4-Dimethylphenol	ND		390	62	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Dimethyl phthalate	ND		390	43	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Di-n-butyl phthalate	ND		390	49	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
2,4-Dinitrophenol	ND		2000	470	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
2,4-Dinitrotoluene	ND		390	32	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
2,6-Dinitrotoluene	ND		390	41	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Di-n-octyl phthalate	ND		390	42	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
1,4-Dioxane	ND		790	45	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Fluoranthene	**20**	**J**	79	8.4	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Fluorene	ND		79	10	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Hexachlorobenzene	ND		79	8.4	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Hexachlorobutadiene	ND		79	8.8	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Hexachlorocyclopentadiene	ND		390	43	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Hexachloroethane	ND		390	28	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Indeno[1,2,3-cd]pyrene	ND		79	8.1	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Isophorone	ND		390	30	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
2-Methylnaphthalene	ND		79	7.1	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
2-Methylphenol	ND		390	28	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Methylphenol, 3 & 4	ND		390	39	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Naphthalene	ND		79	6.8	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Nitrobenzene	ND		790	33	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
2-Nitrophenol	ND		390	43	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
4-Nitrophenol	ND		2000	140	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
N-Nitrosodi-n-propylamine	ND		79	9.2	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1

Client Sample ID: SSHS-B83-2-6 (5.5) **Lab Sample ID: 180-35776-17**

Date Collected: 08/13/14 17:45 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 84.1**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		390	36	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
2,2'-oxybis[1-chloropropane]	ND		79	8.5	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Pentachlorophenol	ND		390	35	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Phenanthrene	**15**	**J**	79	13	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Phenol	ND		79	9.3	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
Pyrene	**16**	**J**	79	8.0	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
1,2,4,5-Tetrachlorobenzene	ND		390	30	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
2,3,4,6-Tetrachlorophenol	ND		390	25	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
2,4,5-Trichlorophenol	ND		390	42	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1
2,4,6-Trichlorophenol	ND		390	59	ug/Kg	☼	08/23/14 02:20	08/26/14 06:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*440*	*T J*	*ug/Kg*	☼	*12.84*		*08/23/14 02:20*	*08/26/14 06:44*	*1*
Unknown	*380*	*T J*	*ug/Kg*	☼	*19.81*		*08/23/14 02:20*	*08/26/14 06:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*08/23/14 02:20*	*08/26/14 06:44*	*1*
2-Fluorophenol (Surr)	*68*		*39 - 103*	*08/23/14 02:20*	*08/26/14 06:44*	*1*
Nitrobenzene-d5 (Surr)	*70*		*25 - 104*	*08/23/14 02:20*	*08/26/14 06:44*	*1*
Phenol-d5 (Surr)	*70*		*25 - 105*	*08/23/14 02:20*	*08/26/14 06:44*	*1*
Terphenyl-d14 (Surr)	*72*		*25 - 127*	*08/23/14 02:20*	*08/26/14 06:44*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*35 - 124*	*08/23/14 02:20*	*08/26/14 06:44*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
alpha-BHC	ND		2.0	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
alpha-Chlordane	ND		2.0	0.39	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
beta-BHC	ND		2.0	0.51	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
4,4'-DDD	ND		2.0	0.26	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
4,4'-DDE	ND		2.0	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
4,4'-DDT	ND		2.0	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
delta-BHC	ND		2.0	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
Dieldrin	ND		2.0	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
Endosulfan I	ND		2.0	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
Endosulfan II	ND		2.0	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
Endosulfan sulfate	ND		2.0	0.21	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
Endrin	ND		2.0	0.38	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
Endrin aldehyde	ND		2.0	0.39	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
Endrin ketone	ND		2.0	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
gamma-BHC (Lindane)	ND		2.0	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
gamma-Chlordane	ND		2.0	0.39	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
Heptachlor	ND		2.0	0.44	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
Heptachlor epoxide	ND		2.0	0.39	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
Methoxychlor	ND		3.9	0.41	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1
Toxaphene	ND		80	13	ug/Kg	☼	08/23/14 02:50	08/25/14 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/23/14 02:50*	*08/25/14 18:17*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/23/14 02:50*	*08/25/14 18:17*	*1*

Client Sample ID: SSHS-B83-2-6 (5.5)
Date Collected: 08/13/14 17:45
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-17
Matrix: Solid
Percent Solids: 84.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*95*		*45 - 130*	*08/23/14 02:50*	*08/25/14 18:17*	*1*
Tetrachloro-m-xylene	*94*		*45 - 130*	*08/23/14 02:50*	*08/25/14 18:17*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	2.9	ug/Kg	☼	08/23/14 02:50	08/25/14 15:49	1
PCB-1221	ND		20	3.8	ug/Kg	☼	08/23/14 02:50	08/25/14 15:49	1
PCB-1232	ND		20	3.4	ug/Kg	☼	08/23/14 02:50	08/25/14 15:49	1
PCB-1242	ND		20	3.2	ug/Kg	☼	08/23/14 02:50	08/25/14 15:49	1
PCB-1248	ND		20	1.9	ug/Kg	☼	08/23/14 02:50	08/25/14 15:49	1
PCB-1254	ND		20	2.8	ug/Kg	☼	08/23/14 02:50	08/25/14 15:49	1
PCB-1260	ND		20	2.8	ug/Kg	☼	08/23/14 02:50	08/25/14 15:49	1
PCB-1262	ND		20	4.3	ug/Kg	☼	08/23/14 02:50	08/25/14 15:49	1
PCB-1268	ND		20	2.5	ug/Kg	☼	08/23/14 02:50	08/25/14 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 125*	*08/23/14 02:50*	*08/25/14 15:49*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/23/14 02:50*	*08/25/14 16:21*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*45 - 135*	*08/23/14 02:50*	*08/25/14 15:49*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*45 - 135*	*08/23/14 02:50*	*08/25/14 16:21*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		22	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Arsenic	**8.9**		1.1	0.34	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Barium	**71**	**B**	22	0.014	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Beryllium	**0.49**		0.44	0.012	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Cadmium	**0.044**	**J**	0.56	0.016	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Calcium	**1200**	**B**	560	1.7	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Chromium	**12**		0.56	0.086	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Cobalt	**9.0**		5.6	0.046	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Copper	**16**		2.8	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Iron	**21000**	**B**	11	0.99	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Lead	**16**		1.1	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Magnesium	**2700**	**B**	560	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Manganese	**450**		1.7	0.099	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Nickel	**18**		4.4	0.053	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Potassium	**690**	**B**	560	7.1	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Selenium	**0.58**	**J**	1.1	0.30	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Silver	ND		0.56	0.045	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Sodium	**150**	**J B**	560	1.2	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Thallium	**0.19**	**J**	2.2	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Vanadium	**16**		5.6	0.19	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1
Zinc	**54**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 19:29	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.060**		0.038	0.013	mg/Kg	☼	08/21/14 10:24	08/21/14 14:06	1

Client Sample ID: SSHS-B83-2-6 (5.5)

Lab Sample ID: 180-35776-17

Date Collected: 08/13/14 17:45

Matrix: Solid

Date Received: 08/14/14 13:08

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**84**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	ND		0.59	0.17	mg/Kg	☼	08/20/14 12:00	08/20/14 12:58	1

Client Sample ID: SSHS-B83-6-10 (8)

Lab Sample ID: 180-35776-18

Date Collected: 08/13/14 17:49

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 91.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.9	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Benzene	ND		4.9	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Bromoform	ND		4.9	0.43	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Bromomethane	ND		4.9	0.73	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
2-Butanone (MEK)	ND		4.9	0.87	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Carbon disulfide	ND		4.9	0.50	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Carbon tetrachloride	ND		4.9	0.44	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Chlorobenzene	ND		4.9	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Chlorobromomethane	ND		4.9	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Chlorodibromomethane	ND		4.9	0.70	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Chloroethane	ND		4.9	1.5	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Chloroform	ND		4.9	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Chloromethane	ND		4.9	0.84	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
cis-1,2-Dichloroethene	ND		4.9	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
cis-1,3-Dichloropropene	ND		4.9	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Cyclohexane	ND		4.9	0.36	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
1,2-Dibromo-3-Chloropropane	ND		4.9	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
1,2-Dibromoethane	ND		4.9	0.85	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
1,2-Dichlorobenzene	ND		4.9	0.78	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
1,3-Dichlorobenzene	ND		4.9	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
1,4-Dichlorobenzene	ND		4.9	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Dichlorobromomethane	ND		4.9	0.55	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Dichlorodifluoromethane	ND		4.9	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
1,1-Dichloroethane	ND		4.9	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
1,2-Dichloroethane	ND		4.9	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
1,1-Dichloroethene	ND		4.9	0.83	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
1,2-Dichloropropane	ND		4.9	0.53	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
1,4-Dioxane	ND		980	270	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Ethylbenzene	ND		4.9	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
2-Hexanone	ND		4.9	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Isopropylbenzene	ND		4.9	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Methyl acetate	ND		4.9	0.89	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Methylcyclohexane	ND		4.9	0.71	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Methylene Chloride	ND		4.9	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Methyl tert-butyl ether	ND		4.9	0.73	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
m-Xylene & p-Xylene	ND		9.8	1.4	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
o-Xylene	ND		4.9	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Styrene	ND		4.9	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.71	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1

Client Sample ID: SSHS-B83-6-10 (8)

Lab Sample ID: 180-35776-18

Date Collected: 08/13/14 17:49
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		4.9	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Toluene	ND		4.9	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
trans-1,2-Dichloroethene	ND		4.9	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
trans-1,3-Dichloropropene	ND		4.9	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
1,2,3-Trichlorobenzene	ND		4.9	0.83	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
1,2,4-Trichlorobenzene	ND		4.9	0.87	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
1,1,1-Trichloroethane	ND		4.9	0.48	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
1,1,2-Trichloroethane	ND		4.9	0.82	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Trichloroethene	ND		4.9	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Trichlorofluoromethane	ND		4.9	0.90	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.0	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1
Vinyl chloride	ND		4.9	0.46	ug/Kg	☼	08/15/14 22:06	08/16/14 07:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/16/14 07:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/15/14 22:06*	*08/16/14 07:18*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/15/14 22:06*	*08/16/14 07:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*52 - 124*	*08/15/14 22:06*	*08/16/14 07:18*	*1*
Toluene-d8 (Surr)	*101*		*72 - 127*	*08/15/14 22:06*	*08/16/14 07:18*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Acenaphthylene	ND		73	8.3	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Acetophenone	ND		360	30	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Anthracene	ND		73	7.1	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Atrazine	ND		360	35	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Benzaldehyde	ND		360	54	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Benzo[a]anthracene	ND		73	9.1	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Benzo[a]pyrene	ND		73	7.3	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Benzo[b]fluoranthene	ND		73	11	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Benzo[g,h,i]perylene	ND		73	7.2	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Benzo[k]fluoranthene	ND		73	15	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Bis(2-chloroethyl)ether	ND		73	9.7	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Carbazole	ND		73	6.7	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Chrysene	ND		73	8.6	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Dibenz(a,h)anthracene	ND		73	8.1	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1

Client Sample ID: SSHS-B83-6-10 (8)
Lab Sample ID: 180-35776-18
Date Collected: 08/13/14 17:49
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 91.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		360	36	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Di-n-butyl phthalate	ND		360	45	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
4,6-Dinitro-2-methylphenol	ND		1800	150	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
2,6-Dinitrotoluene	ND		360	37	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Fluoranthene	ND		73	7.8	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Fluorene	ND		73	9.6	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Hexachlorobenzene	ND		73	7.7	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Hexachlorobutadiene	ND		73	8.1	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Indeno[1,2,3-cd]pyrene	ND		73	7.5	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Isophorone	ND		360	27	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
2-Methylnaphthalene	ND		73	6.5	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Methylphenol, 3 & 4	ND		360	35	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Naphthalene	ND		73	6.3	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
4-Nitroaniline	ND		1800	150	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
N-Nitrosodi-n-propylamine	ND		73	8.5	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
2,2'-oxybis[1-chloropropane]	ND		73	7.8	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Pentachlorophenol	ND		360	32	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Phenanthrene	ND		73	12	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Phenol	ND		73	8.6	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
Pyrene	ND		73	7.3	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
1,2,4,5-Tetrachlorobenzene	ND		360	27	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/23/14 02:20	08/26/14 07:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*990*	*T J*	*ug/Kg*	☼	*12.84*		*08/23/14 02:20*	*08/26/14 07:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 105*	*08/23/14 02:20*	*08/26/14 07:11*	*1*
2-Fluorophenol (Surr)	*65*		*39 - 103*	*08/23/14 02:20*	*08/26/14 07:11*	*1*
Nitrobenzene-d5 (Surr)	*65*		*25 - 104*	*08/23/14 02:20*	*08/26/14 07:11*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B83-6-10 (8)

Date Collected: 08/13/14 17:49
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-18

Matrix: Solid
Percent Solids: 91.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	68		25 - 105	08/23/14 02:20	08/26/14 07:11	1
Terphenyl-d14 (Surr)	71		25 - 127	08/23/14 02:20	08/26/14 07:11	1
2,4,6-Tribromophenol (Surr)	57		35 - 124	08/23/14 02:20	08/26/14 07:11	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
beta-BHC	ND		1.9	0.47	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
4,4'-DDT	ND		1.9	0.27	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
Dieldrin	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
Endosulfan I	ND		1.9	0.34	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
Endrin	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
Endrin aldehyde	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
Endrin ketone	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1
Toxaphene	ND		73	12	ug/Kg	☼	08/23/14 02:50	08/25/14 18:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	94		45 - 130	08/23/14 02:50	08/25/14 18:33	1
DCB Decachlorobiphenyl (Surr)	90		45 - 130	08/23/14 02:50	08/25/14 18:33	1
Tetrachloro-m-xylene	98		45 - 130	08/23/14 02:50	08/25/14 18:33	1
Tetrachloro-m-xylene	96		45 - 130	08/23/14 02:50	08/25/14 18:33	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/23/14 02:50	08/25/14 16:21	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/23/14 02:50	08/25/14 16:21	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/23/14 02:50	08/25/14 16:21	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/23/14 02:50	08/25/14 16:21	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/23/14 02:50	08/25/14 16:21	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/23/14 02:50	08/25/14 16:21	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/23/14 02:50	08/25/14 16:21	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/23/14 02:50	08/25/14 16:21	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/23/14 02:50	08/25/14 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	84		45 - 125	08/23/14 02:50	08/25/14 16:21	1
DCB Decachlorobiphenyl (Surr)	77		45 - 125	08/23/14 02:50	08/25/14 16:53	1
Tetrachloro-m-xylene (Surr)	85		45 - 135	08/23/14 02:50	08/25/14 16:21	1

Client Sample ID: SSHS-B83-6-10 (8) **Lab Sample ID: 180-35776-18**

Date Collected: 08/13/14 17:49 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 91.4**

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*90*		*45 - 135*	*08/23/14 02:50*	*08/25/14 16:53*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5000**		22	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Arsenic	**6.4**		1.1	0.34	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Barium	**69**	**B**	22	0.014	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Beryllium	**0.25**	**J**	0.45	0.013	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Cadmium	**0.064**	**J**	0.56	0.016	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Calcium	**8200**	**B**	560	1.7	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Chromium	**6.4**		0.56	0.086	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Cobalt	**4.5**	**J**	5.6	0.047	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Copper	**13**		2.8	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Iron	**12000**	**B**	11	0.99	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Lead	**6.1**		1.1	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Magnesium	**5000**	**B**	560	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Manganese	**460**		1.7	0.099	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Nickel	**11**		4.5	0.053	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Potassium	**570**	**B**	560	7.1	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Selenium	ND		1.1	0.30	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Silver	ND		0.56	0.045	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Sodium	**90**	**J B**	560	1.2	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Vanadium	**8.2**		5.6	0.20	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1
Zinc	**39**	**B**	2.2	0.12	mg/Kg	☼	08/20/14 13:59	08/26/14 19:44	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.016**	**J**	0.036	0.012	mg/Kg	☼	08/21/14 10:24	08/21/14 14:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.6**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**91**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	ND		0.56	0.16	mg/Kg	☼	08/20/14 12:00	08/20/14 12:58	1

Client Sample ID: SSHS-B83-10-14.5 (12) **Lab Sample ID: 180-35776-19**

Date Collected: 08/13/14 17:54 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 90.6**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.5	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Benzene	ND		4.5	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Bromoform	ND		4.5	0.40	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Bromomethane	ND		4.5	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
2-Butanone (MEK)	ND		4.5	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Carbon disulfide	ND		4.5	0.47	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Carbon tetrachloride	ND		4.5	0.41	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B83-10-14.5 (12)
Date Collected: 08/13/14 17:54
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-19
Matrix: Solid
Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		4.5	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Chlorobromomethane	ND		4.5	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Chlorodibromomethane	ND		4.5	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Chloroethane	ND		4.5	1.4	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Chloroform	ND		4.5	0.53	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Chloromethane	ND		4.5	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
cis-1,2-Dichloroethene	ND		4.5	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
cis-1,3-Dichloropropene	ND		4.5	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Cyclohexane	ND		4.5	0.34	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
1,2-Dibromo-3-Chloropropane	ND		4.5	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
1,2-Dibromoethane	ND		4.5	0.78	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
1,2-Dichlorobenzene	ND		4.5	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
1,3-Dichlorobenzene	ND		4.5	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
1,4-Dichlorobenzene	ND		4.5	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Dichlorobromomethane	ND		4.5	0.51	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Dichlorodifluoromethane	ND		4.5	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
1,1-Dichloroethane	ND		4.5	0.52	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
1,2-Dichloroethane	ND		4.5	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
1,1-Dichloroethene	ND		4.5	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
1,2-Dichloropropane	ND		4.5	0.49	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
1,4-Dioxane	ND		910	250	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Ethylbenzene	ND		4.5	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
2-Hexanone	ND		4.5	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Isopropylbenzene	ND		4.5	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Methyl acetate	ND		4.5	0.82	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Methylcyclohexane	ND		4.5	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Methylene Chloride	ND		4.5	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
4-Methyl-2-pentanone (MIBK)	ND		4.5	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Methyl tert-butyl ether	ND		4.5	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
m-Xylene & p-Xylene	ND		9.1	1.3	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
o-Xylene	ND		4.5	0.71	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Styrene	ND		4.5	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
1,1,2,2-Tetrachloroethane	ND		4.5	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Tetrachloroethene	ND		4.5	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Toluene	ND		4.5	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
trans-1,2-Dichloroethene	ND		4.5	0.54	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
1,2,3-Trichlorobenzene	ND		4.5	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
1,2,4-Trichlorobenzene	ND		4.5	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
1,1,1-Trichloroethane	ND		4.5	0.44	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
1,1,2-Trichloroethane	ND		4.5	0.76	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Trichloroethene	ND		4.5	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Trichlorofluoromethane	ND		4.5	0.83	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	0.97	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1
Vinyl chloride	ND		4.5	0.43	ug/Kg	☼	08/15/14 22:06	08/16/14 07:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/16/14 07:41*	*1*

Client Sample ID: SSHS-B83-10-14.5 (12) **Lab Sample ID: 180-35776-19**
Date Collected: 08/13/14 17:54 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 90.6**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 120*	*08/15/14 22:06*	*08/16/14 07:41*	*1*
Dibromofluoromethane (Surr)	*114*		*68 - 121*	*08/15/14 22:06*	*08/16/14 07:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*52 - 124*	*08/15/14 22:06*	*08/16/14 07:41*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/15/14 22:06*	*08/16/14 07:41*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	7.1	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Acenaphthylene	ND		74	8.4	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Acetophenone	ND		360	30	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Anthracene	ND		74	7.2	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Atrazine	ND		360	36	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Benzo[a]anthracene	ND		74	9.2	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Benzo[a]pyrene	ND		74	7.4	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Benzo[b]fluoranthene	ND		74	12	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Benzo[g,h,i]perylene	ND		74	7.3	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Benzo[k]fluoranthene	ND		74	15	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Bis(2-ethylhexyl) phthalate	ND		740	59	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Carbazole	ND		74	6.8	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Chrysene	ND		74	8.8	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Dibenz(a,h)anthracene	ND		74	8.2	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
2,4-Dimethylphenol	ND		360	58	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Fluoranthene	ND		74	7.9	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Fluorene	ND		74	9.7	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Hexachlorobenzene	ND		74	7.8	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Hexachlorobutadiene	ND		74	8.2	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1

Client Sample ID: SSHS-B83-10-14.5 (12)
Lab Sample ID: 180-35776-19
Date Collected: 08/13/14 17:54
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Indeno[1,2,3-cd]pyrene	ND		74	7.6	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Isophorone	ND		360	28	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
2-Methylnaphthalene	ND		74	6.6	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Naphthalene	ND		74	6.3	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
2-Nitrophenol	ND		360	41	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
N-Nitrosodi-n-propylamine	ND		74	8.6	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
2,2'-oxybis[1-chloropropane]	ND		74	7.9	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Phenanthrene	ND		74	12	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Phenol	ND		74	8.7	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
Pyrene	ND		74	7.4	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
2,3,4,6-Tetrachlorophenol	ND		360	24	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/23/14 02:20	08/26/14 07:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*480*	*T J*	*ug/Kg*	☼	*12.84*		*08/23/14 02:20*	*08/26/14 07:38*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*12.89*		*08/23/14 02:20*	*08/26/14 07:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 105*	*08/23/14 02:20*	*08/26/14 07:38*	*1*
2-Fluorophenol (Surr)	*59*		*39 - 103*	*08/23/14 02:20*	*08/26/14 07:38*	*1*
Nitrobenzene-d5 (Surr)	*64*		*25 - 104*	*08/23/14 02:20*	*08/26/14 07:38*	*1*
Phenol-d5 (Surr)	*62*		*25 - 105*	*08/23/14 02:20*	*08/26/14 07:38*	*1*
Terphenyl-d14 (Surr)	*73*		*25 - 127*	*08/23/14 02:20*	*08/26/14 07:38*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*35 - 124*	*08/23/14 02:20*	*08/26/14 07:38*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
4,4'-DDT	ND		1.9	0.27	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1

Client Sample Results

Client Sample ID: SSHS-B83-10-14.5 (12)
Lab Sample ID: 180-35776-19
Date Collected: 08/13/14 17:54
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1
Toxaphene	ND		74	12	ug/Kg	☼	08/23/14 02:50	08/25/14 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/23/14 02:50*	*08/25/14 18:48*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/23/14 02:50*	*08/25/14 18:48*	*1*
Tetrachloro-m-xylene	*85*		*45 - 130*	*08/23/14 02:50*	*08/25/14 18:48*	*1*
Tetrachloro-m-xylene	*84*		*45 - 130*	*08/23/14 02:50*	*08/25/14 18:48*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/23/14 02:50	08/25/14 16:53	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/23/14 02:50	08/25/14 16:53	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/23/14 02:50	08/25/14 16:53	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/23/14 02:50	08/25/14 16:53	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/23/14 02:50	08/25/14 16:53	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/23/14 02:50	08/25/14 16:53	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/23/14 02:50	08/25/14 16:53	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/23/14 02:50	08/25/14 16:53	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/23/14 02:50	08/25/14 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/23/14 02:50*	*08/25/14 16:53*	*1*
DCB Decachlorobiphenyl (Surr)	*64*		*45 - 125*	*08/23/14 02:50*	*08/25/14 17:24*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*45 - 135*	*08/23/14 02:50*	*08/25/14 16:53*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*45 - 135*	*08/23/14 02:50*	*08/25/14 17:24*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4800**		22	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Arsenic	**6.4**		1.1	0.33	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Barium	**47**	**B**	22	0.014	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Beryllium	**0.23**	**J**	0.43	0.012	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Cadmium	**0.068**	**J**	0.54	0.015	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Calcium	**2700**	**B**	540	1.6	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Chromium	**7.4**		0.54	0.084	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Cobalt	**4.9**	**J**	5.4	0.045	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Copper	**15**		2.7	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Iron	**14000**	**B**	11	0.96	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Lead	**6.7**		1.1	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B83-10-14.5 (12)

Lab Sample ID: 180-35776-19
Date Collected: 08/13/14 17:54
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**1900**	**B**	540	2.2	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Manganese	**490**		1.6	0.096	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Nickel	**12**		4.3	0.051	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Potassium	**490**	**J B**	540	6.9	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Selenium	**0.50**	**J**	1.1	0.29	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Silver	ND		0.54	0.044	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Sodium	**76**	**J B**	540	1.1	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Vanadium	**7.8**		5.4	0.19	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1
Zinc	**53**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 19:49	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.012	mg/Kg	☼	08/21/14 10:24	08/21/14 14:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.4**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**91**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/20/14 12:00	08/20/14 12:58	1

Client Sample ID: SSHS-B85-0.17-2 (1)

Lab Sample ID: 180-35776-20
Date Collected: 08/13/14 15:55
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 88.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		23	5.6	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Benzene	ND		5.6	0.76	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Bromoform	ND		5.6	0.50	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Bromomethane	ND		5.6	0.83	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
2-Butanone (MEK)	ND		5.6	1.0	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Carbon disulfide	ND		5.6	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Carbon tetrachloride	ND		5.6	0.50	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Chlorobenzene	ND		5.6	0.86	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Chlorobromomethane	ND		5.6	0.78	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Chlorodibromomethane	ND		5.6	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Chloroethane	ND		5.6	1.7	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Chloroform	ND		5.6	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Chloromethane	ND		5.6	0.96	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
cis-1,2-Dichloroethene	ND		5.6	0.79	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
cis-1,3-Dichloropropene	ND		5.6	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Cyclohexane	ND		5.6	0.42	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
1,2-Dibromo-3-Chloropropane	ND		5.6	0.85	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
1,2-Dibromoethane	ND		5.6	0.97	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
1,2-Dichlorobenzene	ND		5.6	0.90	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
1,3-Dichlorobenzene	ND		5.6	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
1,4-Dichlorobenzene	ND		5.6	0.72	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Dichlorobromomethane	ND		5.6	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Dichlorodifluoromethane	ND		5.6	0.75	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1

Client Sample Results

Client Sample ID: SSHS-B85-0.17-2 (1)
Date Collected: 08/13/14 15:55
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-20
Matrix: Solid
Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.6	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
1,2-Dichloroethane	ND		5.6	0.69	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
1,1-Dichloroethene	ND		5.6	0.96	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
1,2-Dichloropropane	ND		5.6	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
1,4-Dioxane	ND		1100	310	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Ethylbenzene	ND		5.6	0.73	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
2-Hexanone	ND		5.6	0.78	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Isopropylbenzene	ND		5.6	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Methyl acetate	ND		5.6	1.0	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Methylcyclohexane	ND		5.6	0.82	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Methylene Chloride	ND		5.6	0.76	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.6	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Methyl tert-butyl ether	ND		5.6	0.84	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
m-Xylene & p-Xylene	ND		11	1.7	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
o-Xylene	ND		5.6	0.88	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Styrene	ND		5.6	0.80	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
1,1,2,2-Tetrachloroethane	ND		5.6	0.81	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Tetrachloroethene	ND		5.6	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Toluene	ND		5.6	0.82	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
trans-1,2-Dichloroethene	ND		5.6	0.67	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
trans-1,3-Dichloropropene	ND		5.6	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
1,2,3-Trichlorobenzene	ND		5.6	0.95	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
1,2,4-Trichlorobenzene	ND		5.6	1.0	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
1,1,1-Trichloroethane	ND		5.6	0.55	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
1,1,2-Trichloroethane	ND		5.6	0.94	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Trichloroethene	ND		5.6	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Trichlorofluoromethane	ND		5.6	1.0	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.2	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1
Vinyl chloride	ND		5.6	0.53	ug/Kg	☼	08/15/14 22:06	08/16/14 08:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/16/14 08:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*	*08/15/14 22:06*	*08/16/14 08:03*	*1*
Dibromofluoromethane (Surr)	*113*		*68 - 121*	*08/15/14 22:06*	*08/16/14 08:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*52 - 124*	*08/15/14 22:06*	*08/16/14 08:03*	*1*
Toluene-d8 (Surr)	*112*		*72 - 127*	*08/15/14 22:06*	*08/16/14 08:03*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	7.2	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Acenaphthylene	ND		75	8.6	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Acetophenone	ND		370	31	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Anthracene	ND		75	7.3	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Atrazine	ND		370	37	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Benzo[a]anthracene	ND		75	9.4	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Benzo[a]pyrene	ND		75	7.5	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Benzo[b]fluoranthene	ND		75	12	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1

Client Sample ID: SSHS-B85-0.17-2 (1) **Lab Sample ID: 180-35776-20**
Date Collected: 08/13/14 15:55 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 88.9**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		75	7.5	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Benzo[k]fluoranthene	ND		75	15	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Bis(2-ethylhexyl) phthalate	ND		750	61	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
4-Bromophenyl phenyl ether	ND		370	33	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Carbazole	ND		75	6.9	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
4-Chloro-3-methylphenol	ND		370	35	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
2-Chloronaphthalene	ND		75	7.8	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
4-Chlorophenyl phenyl ether	ND		370	42	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Chrysene	ND		75	8.9	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Dibenz(a,h)anthracene	ND		75	8.4	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
3,3'-Dichlorobenzidine	ND		370	40	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
2,4-Dichlorophenol	ND		75	7.5	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
2,4-Dimethylphenol	ND		370	59	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Di-n-octyl phthalate	ND		370	40	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Fluoranthene	**20**	**J**	75	8.0	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Fluorene	ND		75	9.9	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Hexachlorobenzene	ND		75	8.0	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Hexachlorobutadiene	ND		75	8.4	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Indeno[1,2,3-cd]pyrene	ND		75	7.7	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Isophorone	ND		370	28	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
2-Methylnaphthalene	**7.3**	**J**	75	6.8	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Naphthalene	**85**		75	6.5	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
N-Nitrosodi-n-propylamine	ND		75	8.8	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1

Client Sample ID: SSHS-B85-0.17-2 (1) **Lab Sample ID: 180-35776-20**

Date Collected: 08/13/14 15:55 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 88.9**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
2,2'-oxybis[1-chloropropane]	ND		75	8.1	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Pentachlorophenol	ND		370	34	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Phenanthrene	ND		75	12	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Phenol	ND		75	8.9	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
Pyrene	**24**	**J**	75	7.6	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/23/14 02:20	08/25/14 04:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*520*	*T J*	*ug/Kg*	☼	*12.81*		*08/23/14 02:20*	*08/25/14 04:45*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*12.86*		*08/23/14 02:20*	*08/25/14 04:45*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*15.78*		*08/23/14 02:20*	*08/25/14 04:45*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*15.95*		*08/23/14 02:20*	*08/25/14 04:45*	*1*
Unknown	*880*	*T J*	*ug/Kg*	☼	*19.54*		*08/23/14 02:20*	*08/25/14 04:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*35 - 105*	*08/23/14 02:20*	*08/25/14 04:45*	*1*
2-Fluorophenol (Surr)	*83*		*39 - 103*	*08/23/14 02:20*	*08/25/14 04:45*	*1*
Nitrobenzene-d5 (Surr)	*88*		*25 - 104*	*08/23/14 02:20*	*08/25/14 04:45*	*1*
Phenol-d5 (Surr)	*81*		*25 - 105*	*08/23/14 02:20*	*08/25/14 04:45*	*1*
Terphenyl-d14 (Surr)	*92*		*25 - 127*	*08/23/14 02:20*	*08/25/14 04:45*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 124*	*08/23/14 02:20*	*08/25/14 04:45*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.34	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
alpha-BHC	ND		1.9	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
beta-BHC	ND		1.9	0.49	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
4,4'-DDD	ND		1.9	0.25	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
Endosulfan sulfate	ND		1.9	0.20	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
gamma-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
Heptachlor epoxide	ND		1.9	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1
Toxaphene	ND		75	13	ug/Kg	☼	08/23/14 02:50	08/25/14 19:04	1

Client Sample ID: SSHS-B85-0.17-2 (1) **Lab Sample ID: 180-35776-20**
Date Collected: 08/13/14 15:55 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 88.9**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/23/14 02:50*	*08/25/14 19:04*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*08/23/14 02:50*	*08/25/14 19:04*	*1*
Tetrachloro-m-xylene	*73*		*45 - 130*	*08/23/14 02:50*	*08/25/14 19:04*	*1*
Tetrachloro-m-xylene	*67*		*45 - 130*	*08/23/14 02:50*	*08/25/14 19:04*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/23/14 02:50	08/25/14 17:24	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/23/14 02:50	08/25/14 17:24	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/23/14 02:50	08/25/14 17:24	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/23/14 02:50	08/25/14 17:24	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/23/14 02:50	08/25/14 17:24	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/23/14 02:50	08/25/14 17:24	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/23/14 02:50	08/25/14 17:24	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/23/14 02:50	08/25/14 17:24	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/23/14 02:50	08/25/14 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/23/14 02:50*	*08/25/14 17:24*	*1*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 125*	*08/23/14 02:50*	*08/25/14 17:56*	*1*
Tetrachloro-m-xylene (Surr)	*64*		*45 - 135*	*08/23/14 02:50*	*08/25/14 17:24*	*1*
Tetrachloro-m-xylene (Surr)	*64*		*45 - 135*	*08/23/14 02:50*	*08/25/14 17:56*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8500**		21	2.2	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Antimony	ND		1.0	0.21	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Arsenic	**6.0**		1.0	0.32	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Barium	**56**	**B**	21	0.013	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Beryllium	**0.35**	**J**	0.41	0.012	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Cadmium	**0.050**	**J**	0.52	0.015	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Calcium	**2900**	**B**	520	1.6	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Chromium	**8.6**		0.52	0.080	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Cobalt	**5.7**		5.2	0.043	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Copper	**15**		2.6	0.15	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Iron	**16000**	**B**	10	0.92	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Lead	**9.4**		1.0	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Magnesium	**2100**	**B**	520	2.1	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Manganese	**420**		1.5	0.092	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Nickel	**12**		4.1	0.049	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Potassium	**400**	**J B**	520	6.6	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Selenium	**0.43**	**J**	1.0	0.28	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Sodium	**200**	**J B**	520	1.1	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Vanadium	**13**		5.2	0.18	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1
Zinc	**41**	**B**	2.1	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 19:54	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.017**	**J**	0.036	0.012	mg/Kg	☼	08/25/14 10:10	08/25/14 12:41	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B85-0.17-2 (1)

Date Collected: 08/13/14 15:55
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-20
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**89**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	ND		0.57	0.17	mg/Kg	☼	08/20/14 12:00	08/20/14 12:58	1

Client Sample ID: SSHS-B85-2-6 (3.5)

Date Collected: 08/13/14 16:03
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-21
Matrix: Solid
Percent Solids: 80.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		30	7.4	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Benzene	ND		7.4	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Bromoform	ND		7.4	0.65	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Bromomethane	ND		7.4	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
2-Butanone (MEK)	ND		7.4	1.3	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Carbon disulfide	ND		7.4	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Carbon tetrachloride	ND		7.4	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Chlorobenzene	ND		7.4	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Chlorobromomethane	ND		7.4	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Chlorodibromomethane	ND		7.4	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Chloroethane	ND		7.4	2.3	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Chloroform	ND		7.4	0.86	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Chloromethane	ND		7.4	1.3	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
cis-1,2-Dichloroethene	ND		7.4	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
cis-1,3-Dichloropropene	ND		7.4	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Cyclohexane	ND		7.4	0.55	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
1,2-Dibromo-3-Chloropropane	ND		7.4	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
1,2-Dibromoethane	ND		7.4	1.3	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
1,2-Dichlorobenzene	ND		7.4	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
1,3-Dichlorobenzene	ND		7.4	0.97	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
1,4-Dichlorobenzene	ND		7.4	0.94	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Dichlorobromomethane	ND		7.4	0.83	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Dichlorodifluoromethane	ND		7.4	0.98	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
1,1-Dichloroethane	ND		7.4	0.85	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
1,2-Dichloroethane	ND		7.4	0.91	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
1,1-Dichloroethene	ND		7.4	1.3	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
1,2-Dichloropropane	ND		7.4	0.80	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
1,4-Dioxane	ND		1500	410	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Ethylbenzene	ND		7.4	0.95	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
2-Hexanone	ND		7.4	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Isopropylbenzene	ND		7.4	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Methyl acetate	ND		7.4	1.3	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Methylcyclohexane	ND		7.4	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Methylene Chloride	ND		7.4	0.99	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
4-Methyl-2-pentanone (MIBK)	ND		7.4	0.96	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Methyl tert-butyl ether	ND		7.4	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
m-Xylene & p-Xylene	ND		15	2.2	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
o-Xylene	ND		7.4	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Styrene	ND		7.4	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
1,1,2,2-Tetrachloroethane	ND		7.4	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B85-2-6 (3.5)
Lab Sample ID: 180-35776-21

Date Collected: 08/13/14 16:03
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		7.4	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Toluene	ND		7.4	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
trans-1,2-Dichloroethene	ND		7.4	0.88	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
trans-1,3-Dichloropropene	ND		7.4	0.88	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
1,2,3-Trichlorobenzene	ND		7.4	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
1,2,4-Trichlorobenzene	ND		7.4	1.3	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
1,1,1-Trichloroethane	ND		7.4	0.72	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
1,1,2-Trichloroethane	ND		7.4	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Trichloroethene	ND		7.4	0.97	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Trichlorofluoromethane	ND		7.4	1.4	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.4	1.6	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1
Vinyl chloride	ND		7.4	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 17:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/16/14 12:34*	*08/16/14 17:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*63 - 120*	*08/16/14 12:34*	*08/16/14 17:33*	*1*
Dibromofluoromethane (Surr)	*113*		*68 - 121*	*08/16/14 12:34*	*08/16/14 17:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*52 - 124*	*08/16/14 12:34*	*08/16/14 17:33*	*1*
Toluene-d8 (Surr)	*110*		*72 - 127*	*08/16/14 12:34*	*08/16/14 17:33*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		82	7.9	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Acenaphthylene	ND		82	9.4	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Acetophenone	ND		410	34	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Anthracene	ND		82	8.0	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Atrazine	ND		410	40	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Benzaldehyde	ND		410	62	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Benzo[a]anthracene	ND		82	10	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Benzo[a]pyrene	ND		82	8.2	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Benzo[b]fluoranthene	ND		82	13	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Benzo[g,h,i]perylene	ND		82	8.2	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Benzo[k]fluoranthene	ND		82	17	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
1,1'-Biphenyl	ND		410	37	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Bis(2-chloroethoxy)methane	ND		410	27	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Bis(2-chloroethyl)ether	ND		82	11	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Bis(2-ethylhexyl) phthalate	ND		820	66	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
4-Bromophenyl phenyl ether	ND		410	36	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Butyl benzyl phthalate	ND		410	56	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Caprolactam	ND		2100	310	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Carbazole	ND		82	7.6	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
4-Chloroaniline	ND		410	33	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
4-Chloro-3-methylphenol	ND		410	38	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
2-Chloronaphthalene	ND		82	8.6	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
2-Chlorophenol	ND		410	34	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
4-Chlorophenyl phenyl ether	ND		410	46	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Chrysene	ND		82	9.8	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Dibenz(a,h)anthracene	ND		82	9.1	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1

Client Sample ID: SSHS-B85-2-6 (3.5)

Lab Sample ID: 180-35776-21

Date Collected: 08/13/14 16:03
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 80.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		410	40	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
3,3'-Dichlorobenzidine	ND		410	43	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
2,4-Dichlorophenol	ND		82	8.2	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Diethyl phthalate	ND		410	45	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
2,4-Dimethylphenol	ND		410	64	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Dimethyl phthalate	ND		410	45	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Di-n-butyl phthalate	ND		410	51	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
4,6-Dinitro-2-methylphenol	ND		2100	170	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
2,4-Dinitrophenol	ND		2100	490	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
2,4-Dinitrotoluene	ND		410	33	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
2,6-Dinitrotoluene	ND		410	42	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Di-n-octyl phthalate	ND		410	43	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
1,4-Dioxane	ND		820	47	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Fluoranthene	ND		82	8.8	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Fluorene	ND		82	11	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Hexachlorobenzene	ND		82	8.7	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Hexachlorobutadiene	ND		82	9.2	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Hexachlorocyclopentadiene	ND		410	44	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Hexachloroethane	ND		410	30	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Indeno[1,2,3-cd]pyrene	ND		82	8.5	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Isophorone	ND		410	31	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
2-Methylnaphthalene	ND		82	7.4	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
2-Methylphenol	ND		410	29	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Methylphenol, 3 & 4	ND		410	40	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Naphthalene	ND		82	7.1	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
2-Nitroaniline	ND		2100	180	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
3-Nitroaniline	ND		2100	170	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
4-Nitroaniline	ND		2100	170	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Nitrobenzene	ND		820	34	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
2-Nitrophenol	ND		410	45	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
4-Nitrophenol	ND		2100	150	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
N-Nitrosodi-n-propylamine	ND		82	9.6	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
N-Nitrosodiphenylamine	ND		410	38	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
2,2'-oxybis[1-chloropropane]	ND		82	8.9	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Pentachlorophenol	ND		410	37	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Phenanthrene	ND		82	13	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Phenol	ND		82	9.7	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
Pyrene	ND		82	8.3	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
1,2,4,5-Tetrachlorobenzene	ND		410	31	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
2,3,4,6-Tetrachlorophenol	ND		410	26	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
2,4,5-Trichlorophenol	ND		410	44	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1
2,4,6-Trichlorophenol	ND		410	61	ug/Kg	☼	08/23/14 02:20	08/25/14 05:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*510*	*T J*	*ug/Kg*	☼	*12.82*		*08/23/14 02:20*	*08/25/14 05:14*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*12.86*		*08/23/14 02:20*	*08/25/14 05:14*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*15.78*		*08/23/14 02:20*	*08/25/14 05:14*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*19.51*		*08/23/14 02:20*	*08/25/14 05:14*	*1*

Client Sample Results

Client Sample ID: SSHS-B85-2-6 (3.5)
Lab Sample ID: 180-35776-21
Date Collected: 08/13/14 16:03
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 80.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*35 - 105*	*08/23/14 02:20*	*08/25/14 05:14*	*1*
2-Fluorophenol (Surr)	*74*		*39 - 103*	*08/23/14 02:20*	*08/25/14 05:14*	*1*
Nitrobenzene-d5 (Surr)	*84*		*25 - 104*	*08/23/14 02:20*	*08/25/14 05:14*	*1*
Phenol-d5 (Surr)	*75*		*25 - 105*	*08/23/14 02:20*	*08/25/14 05:14*	*1*
Terphenyl-d14 (Surr)	*93*		*25 - 127*	*08/23/14 02:20*	*08/25/14 05:14*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*35 - 124*	*08/23/14 02:20*	*08/25/14 05:14*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.1	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
alpha-BHC	ND		2.1	0.34	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
alpha-Chlordane	ND		2.1	0.41	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
beta-BHC	ND		2.1	0.54	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
4,4'-DDD	ND		2.1	0.27	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
4,4'-DDE	ND		2.1	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
4,4'-DDT	ND		2.1	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
delta-BHC	ND		2.1	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
Dieldrin	ND		2.1	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
Endosulfan I	ND		2.1	0.39	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
Endosulfan II	ND		2.1	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
Endosulfan sulfate	ND		2.1	0.22	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
Endrin	ND		2.1	0.40	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
Endrin aldehyde	ND		2.1	0.40	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
Endrin ketone	ND		2.1	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
gamma-BHC (Lindane)	ND		2.1	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
gamma-Chlordane	ND		2.1	0.41	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
Heptachlor	ND		2.1	0.46	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
Heptachlor epoxide	ND		2.1	0.41	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
Methoxychlor	ND		4.1	0.43	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1
Toxaphene	ND		84	14	ug/Kg	☼	08/23/14 02:50	08/25/14 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/23/14 02:50*	*08/25/14 19:19*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/23/14 02:50*	*08/25/14 19:19*	*1*
Tetrachloro-m-xylene	*90*		*45 - 130*	*08/23/14 02:50*	*08/25/14 19:19*	*1*
Tetrachloro-m-xylene	*88*		*45 - 130*	*08/23/14 02:50*	*08/25/14 19:19*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	3.1	ug/Kg	☼	08/23/14 02:50	08/25/14 17:56	1
PCB-1221	ND		21	4.0	ug/Kg	☼	08/23/14 02:50	08/25/14 17:56	1
PCB-1232	ND		21	3.6	ug/Kg	☼	08/23/14 02:50	08/25/14 17:56	1
PCB-1242	ND		21	3.4	ug/Kg	☼	08/23/14 02:50	08/25/14 17:56	1
PCB-1248	ND		21	2.0	ug/Kg	☼	08/23/14 02:50	08/25/14 17:56	1
PCB-1254	ND		21	3.0	ug/Kg	☼	08/23/14 02:50	08/25/14 17:56	1
PCB-1260	ND		21	3.0	ug/Kg	☼	08/23/14 02:50	08/25/14 17:56	1
PCB-1262	ND		21	4.6	ug/Kg	☼	08/23/14 02:50	08/25/14 17:56	1
PCB-1268	ND		21	2.7	ug/Kg	☼	08/23/14 02:50	08/25/14 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 125*	*08/23/14 02:50*	*08/25/14 17:56*	*1*

Client Sample ID: SSHS-B85-2-6 (3.5)

Lab Sample ID: 180-35776-21
Date Collected: 08/13/14 16:03
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 80.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*63*		*45 - 125*	*08/23/14 02:50*	*08/25/14 18:27*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*	*08/23/14 02:50*	*08/25/14 17:56*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*45 - 135*	*08/23/14 02:50*	*08/25/14 18:27*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5500**		24	2.5	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Antimony	ND		1.2	0.24	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Arsenic	**4.8**		1.2	0.36	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Barium	**150**	**B**	24	0.015	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Beryllium	**0.25**	**J**	0.48	0.013	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Cadmium	**0.052**	**J**	0.59	0.017	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Calcium	**57000**	**B**	590	1.8	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Chromium	**6.3**		0.59	0.092	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Cobalt	**3.6**	**J**	5.9	0.050	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Copper	**14**		3.0	0.17	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Iron	**11000**	**B**	12	1.1	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Lead	**11**		1.2	0.12	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Magnesium	**1300**	**B**	590	2.5	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Manganese	**400**		1.8	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Nickel	**8.9**		4.8	0.056	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Potassium	**440**	**J B**	590	7.6	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Selenium	**1.1**	**J**	1.2	0.32	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Silver	ND		0.59	0.048	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Sodium	**720**	**B**	590	1.3	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Thallium	ND		2.4	0.17	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Vanadium	**10**		5.9	0.21	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1
Zinc	**34**	**B**	2.4	0.12	mg/Kg	☼	08/20/14 13:59	08/26/14 20:00	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.018**	**J**	0.040	0.013	mg/Kg	☼	08/25/14 10:10	08/25/14 12:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**20**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**80**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	**52**		6.3	1.9	mg/Kg	☼	08/20/14 12:00	08/20/14 13:13	10

Client Sample ID: SSHS-B85-6-10 (8)

Lab Sample ID: 180-35776-22
Date Collected: 08/13/14 16:10
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 89.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.4	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Benzene	ND		4.4	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Bromoform	ND		4.4	0.39	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Bromomethane	ND		4.4	0.65	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
2-Butanone (MEK)	ND		4.4	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1

Client Sample ID: SSHS-B85-6-10 (8)
Lab Sample ID: 180-35776-22
Date Collected: 08/13/14 16:10
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.4	0.45	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Carbon tetrachloride	ND		4.4	0.39	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Chlorobenzene	ND		4.4	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Chlorobromomethane	ND		4.4	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Chlorodibromomethane	ND		4.4	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Chloroethane	ND		4.4	1.4	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Chloroform	ND		4.4	0.51	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Chloromethane	ND		4.4	0.75	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
cis-1,2-Dichloroethene	ND		4.4	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
cis-1,3-Dichloropropene	ND		4.4	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Cyclohexane	ND		4.4	0.33	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
1,2-Dibromo-3-Chloropropane	ND		4.4	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
1,2-Dibromoethane	ND		4.4	0.76	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
1,2-Dichlorobenzene	ND		4.4	0.70	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
1,3-Dichlorobenzene	ND		4.4	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
1,4-Dichlorobenzene	ND		4.4	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Dichlorobromomethane	ND		4.4	0.49	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Dichlorodifluoromethane	ND		4.4	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
1,1-Dichloroethane	ND		4.4	0.50	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
1,2-Dichloroethane	ND		4.4	0.54	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
1,1-Dichloroethene	ND		4.4	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
1,2-Dichloropropane	ND		4.4	0.48	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
1,4-Dioxane	ND		880	240	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Ethylbenzene	ND		4.4	0.56	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
2-Hexanone	ND		4.4	0.61	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Isopropylbenzene	ND		4.4	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Methyl acetate	ND		4.4	0.79	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Methylcyclohexane	ND		4.4	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Methylene Chloride	ND		4.4	0.59	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
4-Methyl-2-pentanone (MIBK)	ND		4.4	0.57	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Methyl tert-butyl ether	ND		4.4	0.66	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
m-Xylene & p-Xylene	ND		8.8	1.3	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
o-Xylene	ND		4.4	0.68	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Styrene	ND		4.4	0.62	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
1,1,2,2-Tetrachloroethane	ND		4.4	0.63	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Tetrachloroethene	ND		4.4	0.60	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Toluene	ND		4.4	0.64	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
trans-1,2-Dichloroethene	ND		4.4	0.52	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
trans-1,3-Dichloropropene	ND		4.4	0.52	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
1,2,3-Trichlorobenzene	ND		4.4	0.74	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
1,2,4-Trichlorobenzene	ND		4.4	0.77	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
1,1,1-Trichloroethane	ND		4.4	0.43	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
1,1,2-Trichloroethane	ND		4.4	0.73	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Trichloroethene	ND		4.4	0.58	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Trichlorofluoromethane	ND		4.4	0.81	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.4	0.94	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1
Vinyl chloride	ND		4.4	0.41	ug/Kg	☼	08/15/14 22:06	08/16/14 08:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/15/14 22:06*	*08/16/14 08:48*	*1*

Client Sample ID: SSHS-B85-6-10 (8) **Lab Sample ID: 180-35776-22**
Date Collected: 08/13/14 16:10 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 89.1**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*	*08/15/14 22:06*	*08/16/14 08:48*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*08/15/14 22:06*	*08/16/14 08:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*52 - 124*	*08/15/14 22:06*	*08/16/14 08:48*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/15/14 22:06*	*08/16/14 08:48*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	7.2	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Acenaphthylene	ND		75	8.6	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Acetophenone	ND		370	31	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Anthracene	ND		75	7.3	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Atrazine	ND		370	36	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Benzo[a]anthracene	ND		75	9.4	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Benzo[a]pyrene	ND		75	7.5	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Benzo[b]fluoranthene	ND		75	12	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Benzo[g,h,i]perylene	ND		75	7.4	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Benzo[k]fluoranthene	ND		75	15	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Bis(2-ethylhexyl) phthalate	ND		750	60	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
4-Bromophenyl phenyl ether	ND		370	33	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Carbazole	ND		75	6.9	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
2-Chloronaphthalene	ND		75	7.8	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
4-Chlorophenyl phenyl ether	ND		370	42	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Chrysene	ND		75	8.9	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Dibenz(a,h)anthracene	ND		75	8.3	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
3,3'-Dichlorobenzidine	ND		370	40	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
2,4-Dichlorophenol	ND		75	7.5	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
2,4-Dimethylphenol	ND		370	59	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Fluoranthene	ND		75	8.0	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Fluorene	ND		75	9.9	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Hexachlorobenzene	ND		75	8.0	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Hexachlorobutadiene	ND		75	8.4	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1

Client Sample Results

Client Sample ID: SSHS-B85-6-10 (8)
Lab Sample ID: 180-35776-22
Date Collected: 08/13/14 16:10
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 89.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Indeno[1,2,3-cd]pyrene	ND		75	7.7	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Isophorone	ND		370	28	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
2-Methylnaphthalene	ND		75	6.7	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Naphthalene	ND		75	6.5	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
N-Nitrosodi-n-propylamine	ND		75	8.8	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
2,2'-oxybis[1-chloropropane]	ND		75	8.1	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Phenanthrene	ND		75	12	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Phenol	ND		75	8.8	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
Pyrene	ND		75	7.6	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/23/14 02:20	08/25/14 05:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*240*	*T J*	*ug/Kg*	☼	*12.81*		*08/23/14 02:20*	*08/25/14 05:43*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*15.79*		*08/23/14 02:20*	*08/25/14 05:43*	*1*
Unknown	*1600*	*T J*	*ug/Kg*	☼	*16.77*		*08/23/14 02:20*	*08/25/14 05:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*35 - 105*	*08/23/14 02:20*	*08/25/14 05:43*	*1*
2-Fluorophenol (Surr)	*82*		*39 - 103*	*08/23/14 02:20*	*08/25/14 05:43*	*1*
Nitrobenzene-d5 (Surr)	*87*		*25 - 104*	*08/23/14 02:20*	*08/25/14 05:43*	*1*
Phenol-d5 (Surr)	*79*		*25 - 105*	*08/23/14 02:20*	*08/25/14 05:43*	*1*
Terphenyl-d14 (Surr)	*89*		*25 - 127*	*08/23/14 02:20*	*08/25/14 05:43*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*35 - 124*	*08/23/14 02:20*	*08/25/14 05:43*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
beta-BHC	ND		1.9	0.49	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1

Client Sample Results

Client Sample ID: SSHS-B85-6-10 (8)
Date Collected: 08/13/14 16:10
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-22
Matrix: Solid
Percent Solids: 89.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
Endosulfan sulfate	ND		1.9	0.20	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
gamma-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1
Toxaphene	ND		75	12	ug/Kg	☼	08/23/14 02:50	08/25/14 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 130*	*08/23/14 02:50*	*08/25/14 19:35*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*	*08/23/14 02:50*	*08/25/14 19:35*	*1*
Tetrachloro-m-xylene	*99*		*45 - 130*	*08/23/14 02:50*	*08/25/14 19:35*	*1*
Tetrachloro-m-xylene	*95*		*45 - 130*	*08/23/14 02:50*	*08/25/14 19:35*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/23/14 02:50	08/25/14 18:27	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/23/14 02:50	08/25/14 18:27	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/23/14 02:50	08/25/14 18:27	1
PCB-1242	ND		19	3.0	ug/Kg	☼	08/23/14 02:50	08/25/14 18:27	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/23/14 02:50	08/25/14 18:27	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/23/14 02:50	08/25/14 18:27	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/23/14 02:50	08/25/14 18:27	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/23/14 02:50	08/25/14 18:27	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/23/14 02:50	08/25/14 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/23/14 02:50*	*08/25/14 18:27*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/23/14 02:50*	*08/25/14 18:59*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*	*08/23/14 02:50*	*08/25/14 18:27*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*45 - 135*	*08/23/14 02:50*	*08/25/14 18:59*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7300**		21	2.2	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Antimony	ND		1.0	0.21	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Arsenic	**6.5**		1.0	0.32	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Barium	**34**	**B**	21	0.013	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Beryllium	**0.33**	**J**	0.42	0.012	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Cadmium	**0.040**	**J**	0.52	0.015	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Calcium	**500**	**J B**	520	1.6	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Chromium	**7.8**		0.52	0.081	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Cobalt	**5.7**		5.2	0.044	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Copper	**14**		2.6	0.15	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Iron	**15000**	**B**	10	0.93	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B85-6-10 (8) Lab Sample ID: 180-35776-22

Date Collected: 08/13/14 16:10 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 89.1**

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**7.5**		1.0	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Magnesium	**2100**	**B**	520	2.2	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Manganese	**290**		1.6	0.093	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Nickel	**13**		4.2	0.050	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Potassium	**590**	**B**	520	6.7	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Selenium	**0.45**	**J**	1.0	0.28	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Sodium	**110**	**J B**	520	1.1	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Vanadium	**11**		5.2	0.18	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1
Zinc	**37**	**B**	2.1	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 20:05	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.020**	**J**	0.036	0.012	mg/Kg	☼	08/25/14 10:10	08/25/14 12:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**89**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	ND		0.57	0.17	mg/Kg	☼	08/20/14 12:00	08/20/14 12:58	1

Client Sample ID: SSHS-B85-10-15 (12.5) Lab Sample ID: 180-35776-23

Date Collected: 08/13/14 16:20 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 87.1**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	5.3	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Benzene	ND		5.3	0.71	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Bromoform	ND		5.3	0.47	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Bromomethane	ND		5.3	0.78	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
2-Butanone (MEK)	ND		5.3	0.93	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Carbon disulfide	ND		5.3	0.54	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Carbon tetrachloride	ND		5.3	0.47	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Chlorobenzene	ND		5.3	0.80	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Chlorobromomethane	ND		5.3	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Chlorodibromomethane	ND		5.3	0.75	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Chloroethane	ND		5.3	1.6	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Chloroform	ND		5.3	0.62	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Chloromethane	ND		5.3	0.90	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
cis-1,2-Dichloroethene	ND		5.3	0.74	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
cis-1,3-Dichloropropene	ND		5.3	0.72	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Cyclohexane	**0.70**	**J**	5.3	0.39	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
1,2-Dibromo-3-Chloropropane	ND		5.3	0.79	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
1,2-Dibromoethane	ND		5.3	0.91	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
1,2-Dichlorobenzene	ND		5.3	0.84	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
1,3-Dichlorobenzene	ND		5.3	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
1,4-Dichlorobenzene	ND		5.3	0.67	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Dichlorobromomethane	ND		5.3	0.59	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1

Client Sample ID: SSHS-B85-10-15 (12.5)
Lab Sample ID: 180-35776-23
Date Collected: 08/13/14 16:20
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		5.3	0.70	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
1,1-Dichloroethane	ND		5.3	0.61	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
1,2-Dichloroethane	ND		5.3	0.65	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
1,1-Dichloroethene	ND		5.3	0.90	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
1,2-Dichloropropane	ND		5.3	0.57	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
1,4-Dioxane	ND		1100	290	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Ethylbenzene	ND		5.3	0.68	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
2-Hexanone	ND		5.3	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Isopropylbenzene	ND		5.3	0.72	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Methyl acetate	ND		5.3	0.95	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Methylcyclohexane	ND		5.3	0.77	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Methylene Chloride	ND		5.3	0.71	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Methyl tert-butyl ether	ND		5.3	0.79	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
o-Xylene	ND		5.3	0.82	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Styrene	ND		5.3	0.74	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Tetrachloroethene	ND		5.3	0.72	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Toluene	**0.79**	**J**	5.3	0.77	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
trans-1,2-Dichloroethene	ND		5.3	0.63	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
trans-1,3-Dichloropropene	ND		5.3	0.63	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
1,2,3-Trichlorobenzene	ND		5.3	0.89	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
1,2,4-Trichlorobenzene	ND		5.3	0.93	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
1,1,1-Trichloroethane	ND		5.3	0.51	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
1,1,2-Trichloroethane	ND		5.3	0.88	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Trichloroethene	ND		5.3	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Trichlorofluoromethane	ND		5.3	0.97	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1
Vinyl chloride	ND		5.3	0.50	ug/Kg	☼	08/16/14 12:34	08/16/14 18:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/16/14 12:34*	*08/16/14 18:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*63 - 120*	*08/16/14 12:34*	*08/16/14 18:18*	*1*
Dibromofluoromethane (Surr)	*109*		*68 - 121*	*08/16/14 12:34*	*08/16/14 18:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*52 - 124*	*08/16/14 12:34*	*08/16/14 18:18*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/16/14 12:34*	*08/16/14 18:18*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	7.3	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Acenaphthylene	ND		76	8.7	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Acetophenone	ND		380	31	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Anthracene	ND		76	7.4	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Atrazine	ND		380	37	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Benzaldehyde	ND		380	57	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Benzo[a]anthracene	ND		76	9.5	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Benzo[a]pyrene	ND		76	7.6	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1

Client Sample ID: SSHS-B85-10-15 (12.5)
Date Collected: 08/13/14 16:20
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-23
Matrix: Solid
Percent Solids: 87.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		76	12	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Benzo[g,h,i]perylene	ND		76	7.6	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Benzo[k]fluoranthene	ND		76	15	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
1,1'-Biphenyl	ND		380	34	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Bis(2-chloroethoxy)methane	ND		380	25	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Bis(2-chloroethyl)ether	ND		76	10	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Bis(2-ethylhexyl) phthalate	ND		760	61	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
4-Bromophenyl phenyl ether	ND		380	33	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Butyl benzyl phthalate	ND		380	52	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Caprolactam	ND		1900	290	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Carbazole	ND		76	7.0	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
4-Chloroaniline	ND		380	30	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
4-Chloro-3-methylphenol	ND		380	35	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
2-Chloronaphthalene	ND		76	7.9	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
2-Chlorophenol	ND		380	31	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
4-Chlorophenyl phenyl ether	ND		380	42	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Chrysene	ND		76	9.1	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Dibenz(a,h)anthracene	ND		76	8.5	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Dibenzofuran	ND		380	37	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
3,3'-Dichlorobenzidine	ND		380	40	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
2,4-Dichlorophenol	ND		76	7.6	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Diethyl phthalate	ND		380	42	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
2,4-Dimethylphenol	ND		380	59	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Dimethyl phthalate	ND		380	41	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Di-n-butyl phthalate	ND		380	48	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
2,6-Dinitrotoluene	ND		380	39	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Di-n-octyl phthalate	ND		380	40	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
1,4-Dioxane	ND		760	44	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Fluoranthene	ND		76	8.1	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Fluorene	ND		76	10	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Hexachlorobenzene	ND		76	8.1	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Hexachlorobutadiene	ND		76	8.5	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Hexachlorocyclopentadiene	ND		380	41	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Hexachloroethane	ND		380	27	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Indeno[1,2,3-cd]pyrene	ND		76	7.8	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Isophorone	ND		380	29	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
2-Methylnaphthalene	ND		76	6.8	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Methylphenol, 3 & 4	ND		380	37	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Naphthalene	ND		76	6.6	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
3-Nitroaniline	ND		1900	160	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Nitrobenzene	ND		760	32	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
2-Nitrophenol	ND		380	42	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1

Client Sample ID: SSHS-B85-10-15 (12.5)
Lab Sample ID: 180-35776-23
Date Collected: 08/13/14 16:20
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 87.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		76	8.9	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
N-Nitrosodiphenylamine	ND		380	35	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
2,2'-oxybis[1-chloropropane]	ND		76	8.2	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Pentachlorophenol	ND		380	34	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Phenanthrene	ND		76	12	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Phenol	ND		76	9.0	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
Pyrene	ND		76	7.7	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
2,3,4,6-Tetrachlorophenol	ND		380	24	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
2,4,5-Trichlorophenol	ND		380	41	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1
2,4,6-Trichlorophenol	ND		380	57	ug/Kg	☼	08/23/14 02:20	08/25/14 06:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*500*	*T J*	*ug/Kg*	☼	*1.29*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*580*	*T J*	*ug/Kg*	☼	*12.04*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*360*	*T J*	*ug/Kg*	☼	*13.97*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*14.06*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*14.15*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*330*	*T J*	*ug/Kg*	☼	*14.26*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*14.29*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*14.36*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*360*	*T J*	*ug/Kg*	☼	*14.42*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*14.55*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*630*	*T J*	*ug/Kg*	☼	*14.93*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*14.95*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*390*	*T J*	*ug/Kg*	☼	*15.78*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*800*	*T J*	*ug/Kg*	☼	*16.08*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*16.13*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*480*	*T J*	*ug/Kg*	☼	*16.16*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*16.27*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*610*	*T J*	*ug/Kg*	☼	*16.37*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*540*	*T J*	*ug/Kg*	☼	*16.76*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*400*	*T J*	*ug/Kg*	☼	*16.85*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*370*	*T J*	*ug/Kg*	☼	*16.95*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*390*	*T J*	*ug/Kg*	☼	*16.99*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*430*	*T J*	*ug/Kg*	☼	*17.71*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*17.92*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*17.96*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*540*	*T J*	*ug/Kg*	☼	*18.00*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*18.04*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*410*	*T J*	*ug/Kg*	☼	*18.38*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*490*	*T J*	*ug/Kg*	☼	*18.62*		*08/23/14 02:20*	*08/25/14 06:11*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*18.66*		*08/23/14 02:20*	*08/25/14 06:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*35 - 105*	*08/23/14 02:20*	*08/25/14 06:11*	*1*
2-Fluorophenol (Surr)	*88*		*39 - 103*	*08/23/14 02:20*	*08/25/14 06:11*	*1*
Nitrobenzene-d5 (Surr)	*95*		*25 - 104*	*08/23/14 02:20*	*08/25/14 06:11*	*1*
Phenol-d5 (Surr)	*83*		*25 - 105*	*08/23/14 02:20*	*08/25/14 06:11*	*1*
Terphenyl-d14 (Surr)	*92*		*25 - 127*	*08/23/14 02:20*	*08/25/14 06:11*	*1*

Client Sample Results

Client Sample ID: SSHS-B85-10-15 (12.5)
Date Collected: 08/13/14 16:20
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-23
Matrix: Solid
Percent Solids: 87.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*105*		*35 - 124*	*08/23/14 02:20*	*08/25/14 06:11*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.34	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
alpha-BHC	ND		2.0	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
alpha-Chlordane	ND		2.0	0.38	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
beta-BHC	ND		2.0	0.50	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
4,4'-DDD	ND		2.0	0.25	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
4,4'-DDE	ND		2.0	0.29	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
4,4'-DDT	ND		2.0	0.29	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
delta-BHC	ND		2.0	0.29	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
Dieldrin	ND		2.0	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
Endosulfan I	ND		2.0	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
Endosulfan II	ND		2.0	0.34	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
Endosulfan sulfate	ND		2.0	0.20	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
Endrin	ND		2.0	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
Endrin aldehyde	ND		2.0	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
Endrin ketone	ND		2.0	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
gamma-BHC (Lindane)	ND		2.0	0.34	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
gamma-Chlordane	ND		2.0	0.38	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
Heptachlor	ND		2.0	0.43	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
Heptachlor epoxide	ND		2.0	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
Methoxychlor	ND		3.8	0.40	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1
Toxaphene	ND		77	13	ug/Kg	☼	08/23/14 02:50	08/25/14 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 130*	*08/23/14 02:50*	*08/25/14 19:50*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 130*	*08/23/14 02:50*	*08/25/14 19:50*	*1*
Tetrachloro-m-xylene	*78*		*45 - 130*	*08/23/14 02:50*	*08/25/14 19:50*	*1*
Tetrachloro-m-xylene	*77*		*45 - 130*	*08/23/14 02:50*	*08/25/14 19:50*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/23/14 02:50	08/25/14 18:59	1
PCB-1221	ND		19	3.7	ug/Kg	☼	08/23/14 02:50	08/25/14 18:59	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/23/14 02:50	08/25/14 18:59	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/23/14 02:50	08/25/14 18:59	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/23/14 02:50	08/25/14 18:59	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/23/14 02:50	08/25/14 18:59	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/23/14 02:50	08/25/14 18:59	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/23/14 02:50	08/25/14 18:59	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/23/14 02:50	08/25/14 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*62*		*45 - 125*	*08/23/14 02:50*	*08/25/14 18:59*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/23/14 02:50*	*08/25/14 19:30*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*45 - 135*	*08/23/14 02:50*	*08/25/14 18:59*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*	*08/23/14 02:50*	*08/25/14 19:30*	*1*

Client Sample Results

Client Sample ID: SSHS-B85-10-15 (12.5)

Lab Sample ID: 180-35776-23

Date Collected: 08/13/14 16:20
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 87.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6800**		22	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Arsenic	**6.9**		1.1	0.34	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Barium	**96**	**B**	22	0.014	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Beryllium	**0.30**	**J**	0.45	0.012	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Cadmium	**0.10**	**J**	0.56	0.016	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Calcium	**1500**	**B**	560	1.7	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Chromium	**9.2**		0.56	0.086	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Cobalt	**7.1**		5.6	0.047	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Copper	**18**		2.8	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Iron	**17000**	**B**	11	0.99	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Lead	**9.3**		1.1	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Magnesium	**2300**	**B**	560	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Manganese	**410**		1.7	0.099	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Nickel	**16**		4.5	0.053	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Potassium	**720**	**B**	560	7.1	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Selenium	**0.48**	**J**	1.1	0.30	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Silver	ND		0.56	0.045	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Sodium	**110**	**J B**	560	1.2	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Vanadium	**12**		5.6	0.19	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1
Zinc	**55**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 20:10	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**	**J**	0.037	0.012	mg/Kg	☼	08/25/14 10:10	08/25/14 12:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**87**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	ND		0.58	0.17	mg/Kg	☼	08/20/14 12:00	08/20/14 13:05	1

Client Sample ID: SSHS-B73-0.17-2 (1)

Lab Sample ID: 180-35776-24

Date Collected: 08/13/14 09:50
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 88.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.1	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Benzene	ND		5.1	0.68	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Bromoform	ND		5.1	0.45	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Bromomethane	ND		5.1	0.75	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
2-Butanone (MEK)	ND		5.1	0.89	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Carbon disulfide	ND		5.1	0.52	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Carbon tetrachloride	ND		5.1	0.45	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Chlorobenzene	ND		5.1	0.77	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Chlorobromomethane	ND		5.1	0.70	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Chlorodibromomethane	ND		5.1	0.72	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Chloroethane	ND		5.1	1.6	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1

Client Sample Results

Client Sample ID: SSHS-B73-0.17-2 (1)
Lab Sample ID: 180-35776-24
Date Collected: 08/13/14 09:50
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		5.1	0.59	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Chloromethane	ND		5.1	0.86	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
cis-1,2-Dichloroethene	ND		5.1	0.71	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
cis-1,3-Dichloropropene	ND		5.1	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Cyclohexane	ND		5.1	0.38	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
1,2-Dibromo-3-Chloropropane	ND		5.1	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
1,2-Dibromoethane	ND		5.1	0.87	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
1,2-Dichlorobenzene	ND		5.1	0.81	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
1,3-Dichlorobenzene	ND		5.1	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
1,4-Dichlorobenzene	ND		5.1	0.64	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Dichlorobromomethane	ND		5.1	0.57	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Dichlorodifluoromethane	ND		5.1	0.67	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
1,1-Dichloroethane	ND		5.1	0.58	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
1,2-Dichloroethane	ND		5.1	0.62	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
1,1-Dichloroethene	ND		5.1	0.86	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
1,2-Dichloropropane	ND		5.1	0.55	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
1,4-Dioxane	ND		1000	280	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Ethylbenzene	ND		5.1	0.65	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
2-Hexanone	ND		5.1	0.70	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Isopropylbenzene	ND		5.1	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Methyl acetate	ND		5.1	0.91	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Methylcyclohexane	ND		5.1	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Methylene Chloride	ND		5.1	0.68	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Methyl tert-butyl ether	ND		5.1	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
o-Xylene	ND		5.1	0.79	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Styrene	ND		5.1	0.71	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
1,1,2,2-Tetrachloroethane	ND		5.1	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Tetrachloroethene	ND		5.1	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Toluene	ND		5.1	0.74	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
trans-1,2-Dichloroethene	ND		5.1	0.60	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
trans-1,3-Dichloropropene	ND		5.1	0.60	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
1,2,3-Trichlorobenzene	ND		5.1	0.85	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
1,2,4-Trichlorobenzene	ND		5.1	0.89	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
1,1,1-Trichloroethane	ND		5.1	0.49	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
1,1,2-Trichloroethane	ND		5.1	0.84	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Trichloroethene	**2.8**	**J**	5.1	0.67	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Trichlorofluoromethane	ND		5.1	0.93	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1
Vinyl chloride	ND		5.1	0.47	ug/Kg	☼	08/16/14 12:34	08/16/14 18:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/16/14 12:34*	*08/16/14 18:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/16/14 12:34*	*08/16/14 18:40*	*1*
Dibromofluoromethane (Surr)	*111*		*68 - 121*	*08/16/14 12:34*	*08/16/14 18:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*52 - 124*	*08/16/14 12:34*	*08/16/14 18:40*	*1*
Toluene-d8 (Surr)	*121*		*72 - 127*	*08/16/14 12:34*	*08/16/14 18:40*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B73-0.17-2 (1)

Date Collected: 08/13/14 09:50
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-24

Matrix: Solid
Percent Solids: 88.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**840**		75	7.2	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Acenaphthylene	ND		75	8.5	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Acetophenone	ND		370	31	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Anthracene	**2200**		75	7.3	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Atrazine	ND		370	36	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Benzo[a]anthracene	**3400**		75	9.4	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Benzo[a]pyrene	**3000**		75	7.5	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Benzo[b]fluoranthene	**3100**		75	12	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Benzo[g,h,i]perylene	**2000**		75	7.4	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Benzo[k]fluoranthene	**1200**		75	15	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
1,1'-Biphenyl	**54**	**J**	370	33	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Bis(2-ethylhexyl) phthalate	ND		750	60	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Carbazole	**530**		75	6.9	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
2-Chloronaphthalene	ND		75	7.8	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Chrysene	**3000**		75	8.9	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Dibenz(a,h)anthracene	**490**		75	8.3	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Dibenzofuran	**450**		370	37	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
2,4-Dichlorophenol	ND		75	7.5	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Fluoranthene	**7200**		75	8.0	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Fluorene	**800**		75	9.8	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Hexachlorobenzene	ND		75	7.9	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Hexachlorobutadiene	ND		75	8.3	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Indeno[1,2,3-cd]pyrene	**1700**		75	7.7	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Isophorone	ND		370	28	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
2-Methylnaphthalene	**150**		75	6.7	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1

Client Sample Results

Client Sample ID: SSHS-B73-0.17-2 (1)
Lab Sample ID: 180-35776-24
Date Collected: 08/13/14 09:50
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 88.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Naphthalene	**160**		75	6.4	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
N-Nitrosodi-n-propylamine	ND		75	8.8	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
2,2'-oxybis[1-chloropropane]	ND		75	8.1	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Phenanthrene	**8900**		75	12	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Phenol	ND		75	8.8	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
Pyrene	**9000**		75	7.5	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/23/14 02:20	08/25/14 06:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*350*	*T J*	*ug/Kg*	☼	*9.88*		*08/23/14 02:20*	*08/25/14 06:39*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*10.12*		*08/23/14 02:20*	*08/25/14 06:39*	*1*
Unknown	*580*	*T J*	*ug/Kg*	☼	*10.15*		*08/23/14 02:20*	*08/25/14 06:39*	*1*
Unknown PAH	*670*	*T J*	*ug/Kg*	☼	*10.75*		*08/23/14 02:20*	*08/25/14 06:39*	*1*
Unknown	*860*	*T J*	*ug/Kg*	☼	*10.78*		*08/23/14 02:20*	*08/25/14 06:39*	*1*
Unknown	*440*	*T J*	*ug/Kg*	☼	*10.83*		*08/23/14 02:20*	*08/25/14 06:39*	*1*
Unknown	*1700*	*T J*	*ug/Kg*	☼	*10.88*		*08/23/14 02:20*	*08/25/14 06:39*	*1*
Unknown	*460*	*T J*	*ug/Kg*	☼	*11.08*		*08/23/14 02:20*	*08/25/14 06:39*	*1*
Unknown	*450*	*T J*	*ug/Kg*	☼	*11.38*		*08/23/14 02:20*	*08/25/14 06:39*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*11.43*		*08/23/14 02:20*	*08/25/14 06:39*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*12.18*		*08/23/14 02:20*	*08/25/14 06:39*	*1*
Unknown	*430*	*T J*	*ug/Kg*	☼	*12.34*		*08/23/14 02:20*	*08/25/14 06:39*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*12.44*		*08/23/14 02:20*	*08/25/14 06:39*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*12.49*		*08/23/14 02:20*	*08/25/14 06:39*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*13.40*		*08/23/14 02:20*	*08/25/14 06:39*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*14.02*		*08/23/14 02:20*	*08/25/14 06:39*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*14.59*		*08/23/14 02:20*	*08/25/14 06:39*	*1*
Unknown	*2200*	*T J*	*ug/Kg*	☼	*16.52*		*08/23/14 02:20*	*08/25/14 06:39*	*1*
Unknown	*830*	*T J*	*ug/Kg*	☼	*16.81*		*08/23/14 02:20*	*08/25/14 06:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*35 - 105*	*08/23/14 02:20*	*08/25/14 06:39*	*1*
2-Fluorophenol (Surr)	*77*		*39 - 103*	*08/23/14 02:20*	*08/25/14 06:39*	*1*
Nitrobenzene-d5 (Surr)	*82*		*25 - 104*	*08/23/14 02:20*	*08/25/14 06:39*	*1*
Phenol-d5 (Surr)	*74*		*25 - 105*	*08/23/14 02:20*	*08/25/14 06:39*	*1*
Terphenyl-d14 (Surr)	*96*		*25 - 127*	*08/23/14 02:20*	*08/25/14 06:39*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*35 - 124*	*08/23/14 02:20*	*08/25/14 06:39*	*1*

Client Sample ID: SSHS-B73-0.17-2 (1)

Lab Sample ID: 180-35776-24

Date Collected: 08/13/14 09:50
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 88.8

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
alpha-Chlordane	**1.0**	**J**	1.9	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
4,4'-DDD	**0.86**	**J p**	1.9	0.24	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
delta-BHC	**0.46**	**J p**	1.9	0.29	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
Endosulfan sulfate	**0.23**	**J p**	1.9	0.19	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
Endrin	**0.76**	**J p**	1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
gamma-BHC (Lindane)	**2.4**		1.9	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
gamma-Chlordane	**1.1**	**J p**	1.9	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
Methoxychlor	**2.0**	**J**	3.7	0.39	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1
Toxaphene	ND		75	12	ug/Kg	☼	08/23/14 02:50	08/25/14 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/23/14 02:50*	*08/25/14 20:06*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/23/14 02:50*	*08/25/14 20:06*	*1*
Tetrachloro-m-xylene	*73*		*45 - 130*	*08/23/14 02:50*	*08/25/14 20:06*	*1*
Tetrachloro-m-xylene	*75*		*45 - 130*	*08/23/14 02:50*	*08/25/14 20:06*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/23/14 02:50	08/25/14 19:30	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/23/14 02:50	08/25/14 19:30	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/23/14 02:50	08/25/14 19:30	1
PCB-1242	ND		19	3.0	ug/Kg	☼	08/23/14 02:50	08/25/14 19:30	1
PCB-1248	**42**		19	1.8	ug/Kg	☼	08/23/14 02:50	08/25/14 19:30	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/23/14 02:50	08/25/14 19:30	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/23/14 02:50	08/25/14 19:30	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/23/14 02:50	08/25/14 19:30	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/23/14 02:50	08/25/14 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 125*	*08/23/14 02:50*	*08/25/14 19:30*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/23/14 02:50*	*08/25/14 20:01*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*45 - 135*	*08/23/14 02:50*	*08/25/14 19:30*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*45 - 135*	*08/23/14 02:50*	*08/25/14 20:01*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6800**		20	2.1	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Antimony	ND		1.0	0.20	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1

Client Sample ID: SSHS-B73-0.17-2 (1)

Lab Sample ID: 180-35776-24

Date Collected: 08/13/14 09:50

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 88.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.1**		1.0	0.31	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Barium	**60**	**B**	20	0.013	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Beryllium	**0.37**	**J**	0.41	0.011	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Cadmium	**0.094**	**J**	0.51	0.015	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Calcium	**5400**	**B**	510	1.5	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Chromium	**10**		0.51	0.078	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Cobalt	**6.5**		5.1	0.042	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Copper	**40**		2.5	0.15	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Iron	**17000**	**B**	10	0.90	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Lead	**38**		1.0	0.10	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Magnesium	**2300**	**B**	510	2.1	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Manganese	**300**		1.5	0.090	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Nickel	**28**		4.1	0.048	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Potassium	**560**	**B**	510	6.5	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Selenium	**0.63**	**J**	1.0	0.27	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Silver	ND		0.51	0.041	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Sodium	**140**	**J B**	510	1.1	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Vanadium	**11**		5.1	0.18	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1
Zinc	**60**	**B**	2.0	0.10	mg/Kg	☼	08/20/14 13:59	08/26/14 20:15	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**	**J**	0.036	0.012	mg/Kg	☼	08/25/14 10:10	08/25/14 12:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**89**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	ND		0.55	0.16	mg/Kg	☼	08/20/14 12:00	08/20/14 13:05	1

Client Sample ID: SSHS-B73-2-6 (4)

Lab Sample ID: 180-35776-25

Date Collected: 08/13/14 10:05

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 87.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	7.3	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Benzene	ND		7.3	0.99	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Bromoform	ND		7.3	0.65	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Bromomethane	ND		7.3	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
2-Butanone (MEK)	ND		7.3	1.3	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Carbon disulfide	ND		7.3	0.75	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Carbon tetrachloride	ND		7.3	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Chlorobenzene	ND		7.3	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Chlorobromomethane	ND		7.3	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Chlorodibromomethane	ND		7.3	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Chloroethane	ND		7.3	2.3	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Chloroform	ND		7.3	0.86	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Chloromethane	ND		7.3	1.3	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B73-2-6 (4)

Date Collected: 08/13/14 10:05
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-25

Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		7.3	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
cis-1,3-Dichloropropene	ND		7.3	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Cyclohexane	ND		7.3	0.54	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
1,2-Dibromo-3-Chloropropane	ND		7.3	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
1,2-Dibromoethane	ND		7.3	1.3	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
1,2-Dichlorobenzene	ND		7.3	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
1,3-Dichlorobenzene	ND		7.3	0.96	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
1,4-Dichlorobenzene	ND		7.3	0.93	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Dichlorobromomethane	ND		7.3	0.82	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Dichlorodifluoromethane	ND		7.3	0.98	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
1,1-Dichloroethane	ND		7.3	0.84	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
1,2-Dichloroethane	ND		7.3	0.90	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
1,1-Dichloroethene	ND		7.3	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
1,2-Dichloropropane	ND		7.3	0.80	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
1,4-Dioxane	ND		1500	410	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Ethylbenzene	ND		7.3	0.94	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
2-Hexanone	ND		7.3	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Isopropylbenzene	ND		7.3	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Methyl acetate	ND		7.3	1.3	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Methylcyclohexane	ND		7.3	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Methylene Chloride	ND		7.3	0.99	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
4-Methyl-2-pentanone (MIBK)	ND		7.3	0.96	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Methyl tert-butyl ether	ND		7.3	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
m-Xylene & p-Xylene	ND		15	2.2	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
o-Xylene	ND		7.3	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Styrene	ND		7.3	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
1,1,2,2-Tetrachloroethane	ND		7.3	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Tetrachloroethene	ND		7.3	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Toluene	ND		7.3	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
trans-1,2-Dichloroethene	ND		7.3	0.87	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
trans-1,3-Dichloropropene	ND		7.3	0.88	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
1,2,3-Trichlorobenzene	ND		7.3	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
1,2,4-Trichlorobenzene	ND		7.3	1.3	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
1,1,1-Trichloroethane	ND		7.3	0.71	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
1,1,2-Trichloroethane	ND		7.3	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Trichloroethene	ND		7.3	0.97	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Trichlorofluoromethane	ND		7.3	1.3	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.3	1.6	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1
Vinyl chloride	ND		7.3	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 15:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/16/14 12:34*	*08/16/14 15:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 120*	*08/16/14 12:34*	*08/16/14 15:35*	*1*
Dibromofluoromethane (Surr)	*105*		*68 - 121*	*08/16/14 12:34*	*08/16/14 15:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*52 - 124*	*08/16/14 12:34*	*08/16/14 15:35*	*1*
Toluene-d8 (Surr)	*107*		*72 - 127*	*08/16/14 12:34*	*08/16/14 15:35*	*1*

Client Sample ID: SSHS-B73-2-6 (4)
Lab Sample ID: 180-35776-25
Date Collected: 08/13/14 10:05
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 87.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**550**		76	7.3	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Acenaphthylene	**42**	**J**	76	8.7	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Acetophenone	ND		380	31	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Anthracene	**710**		76	7.4	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Atrazine	ND		380	37	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Benzaldehyde	ND		380	57	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Benzo[a]anthracene	**1400**		76	9.5	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Benzo[a]pyrene	**1300**		76	7.6	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Benzo[b]fluoranthene	**1400**		76	12	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Benzo[g,h,i]perylene	**960**		76	7.5	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Benzo[k]fluoranthene	**590**		76	15	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
1,1'-Biphenyl	**98**	**J**	380	34	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Bis(2-chloroethoxy)methane	ND		380	25	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Bis(2-chloroethyl)ether	ND		76	10	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Bis(2-ethylhexyl) phthalate	**220**	**J**	760	61	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
4-Bromophenyl phenyl ether	ND		380	33	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Butyl benzyl phthalate	ND		380	52	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Caprolactam	ND		1900	290	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Carbazole	**560**		76	7.0	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
4-Chloroaniline	ND		380	30	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
4-Chloro-3-methylphenol	ND		380	35	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
2-Chloronaphthalene	ND		76	7.9	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
2-Chlorophenol	ND		380	31	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
4-Chlorophenyl phenyl ether	ND		380	42	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Chrysene	**1300**		76	9.0	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Dibenz(a,h)anthracene	**180**		76	8.4	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Dibenzofuran	**550**		380	37	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
3,3'-Dichlorobenzidine	ND		380	40	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
2,4-Dichlorophenol	ND		76	7.6	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Diethyl phthalate	ND		380	41	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
2,4-Dimethylphenol	ND		380	59	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Dimethyl phthalate	ND		380	41	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Di-n-butyl phthalate	ND		380	48	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
2,6-Dinitrotoluene	ND		380	39	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Di-n-octyl phthalate	ND		380	40	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
1,4-Dioxane	ND		760	44	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Fluoranthene	**3500**		76	8.1	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Fluorene	**400**		76	10	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Hexachlorobenzene	ND		76	8.1	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Hexachlorobutadiene	ND		76	8.5	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Hexachlorocyclopentadiene	ND		380	41	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Hexachloroethane	ND		380	27	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Indeno[1,2,3-cd]pyrene	**790**		76	7.8	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Isophorone	ND		380	29	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
2-Methylnaphthalene	**180**		76	6.8	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B73-2-6 (4)

Date Collected: 08/13/14 10:05
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-25

Matrix: Solid
Percent Solids: 87.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		380	37	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Naphthalene	**620**		76	6.5	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
3-Nitroaniline	ND		1900	160	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Nitrobenzene	ND		760	32	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
2-Nitrophenol	ND		380	42	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
N-Nitrosodi-n-propylamine	ND		76	8.9	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
N-Nitrosodiphenylamine	ND		380	35	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
2,2'-oxybis[1-chloropropane]	ND		76	8.2	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Pentachlorophenol	ND		380	34	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Phenanthrene	**2500**		76	12	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Phenol	ND		76	9.0	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
Pyrene	**2600**		76	7.7	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
2,3,4,6-Tetrachlorophenol	ND		380	24	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
2,4,5-Trichlorophenol	ND		380	40	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1
2,4,6-Trichlorophenol	ND		380	57	ug/Kg	☼	08/25/14 03:00	08/25/14 11:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown PAH	*400*	*T J*	*ug/Kg*	☼	*11.12*		*08/25/14 03:00*	*08/25/14 11:49*	*1*
Unknown	*810*	*T J*	*ug/Kg*	☼	*11.23*		*08/25/14 03:00*	*08/25/14 11:49*	*1*
Unknown PAH	*250*	*T J*	*ug/Kg*	☼	*12.69*		*08/25/14 03:00*	*08/25/14 11:49*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*13.10*		*08/25/14 03:00*	*08/25/14 11:49*	*1*
Unknown	*860*	*T J*	*ug/Kg*	☼	*16.94*		*08/25/14 03:00*	*08/25/14 11:49*	*1*
Unknown	*380*	*T J*	*ug/Kg*	☼	*17.23*		*08/25/14 03:00*	*08/25/14 11:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*08/25/14 03:00*	*08/25/14 11:49*	*1*
2-Fluorophenol (Surr)	*70*		*39 - 103*	*08/25/14 03:00*	*08/25/14 11:49*	*1*
Nitrobenzene-d5 (Surr)	*71*		*25 - 104*	*08/25/14 03:00*	*08/25/14 11:49*	*1*
Phenol-d5 (Surr)	*72*		*25 - 105*	*08/25/14 03:00*	*08/25/14 11:49*	*1*
Terphenyl-d14 (Surr)	*66*		*25 - 127*	*08/25/14 03:00*	*08/25/14 11:49*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*35 - 124*	*08/25/14 03:00*	*08/25/14 11:49*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.34	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
alpha-BHC	ND		1.9	0.31	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
alpha-Chlordane	**0.87**	**J**	1.9	0.38	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
beta-BHC	ND		1.9	0.49	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
4,4'-DDD	**0.45**	**J**	1.9	0.25	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
4,4'-DDE	**0.80**	**J**	1.9	0.29	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
delta-BHC	**0.30**	**J p**	1.9	0.29	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
Dieldrin	ND		1.9	0.32	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
Endosulfan I	ND		1.9	0.36	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
Endosulfan sulfate	ND		1.9	0.20	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1

Client Sample Results

Client Sample ID: SSHS-B73-2-6 (4)
Lab Sample ID: 180-35776-25
Date Collected: 08/13/14 10:05
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 87.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		1.9	0.37	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
Endrin aldehyde	ND		1.9	0.37	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
gamma-BHC (Lindane)	**0.61**	**J**	1.9	0.33	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
gamma-Chlordane	**1.2**	**J**	1.9	0.37	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
Heptachlor epoxide	ND		1.9	0.37	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
Methoxychlor	ND		3.8	0.40	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1
Toxaphene	ND		76	13	ug/Kg	☼	08/22/14 16:50	08/25/14 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*08/22/14 16:50*	*08/25/14 23:43*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/22/14 16:50*	*08/25/14 23:43*	*1*
Tetrachloro-m-xylene	*86*		*45 - 130*	*08/22/14 16:50*	*08/25/14 23:43*	*1*
Tetrachloro-m-xylene	*88*		*45 - 130*	*08/22/14 16:50*	*08/25/14 23:43*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/22/14 16:50	08/26/14 03:21	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/22/14 16:50	08/26/14 03:21	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/22/14 16:50	08/26/14 03:21	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/22/14 16:50	08/26/14 03:21	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/22/14 16:50	08/26/14 03:21	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/22/14 16:50	08/26/14 03:21	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/22/14 16:50	08/26/14 03:21	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/22/14 16:50	08/26/14 03:21	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/22/14 16:50	08/26/14 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/22/14 16:50*	*08/26/14 03:21*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/22/14 16:50*	*08/26/14 03:52*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*45 - 135*	*08/22/14 16:50*	*08/26/14 03:21*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*45 - 135*	*08/22/14 16:50*	*08/26/14 03:52*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7500**		22	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Arsenic	**7.9**		1.1	0.34	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Barium	**73**	**B**	22	0.014	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Beryllium	**0.37**	**J**	0.44	0.012	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Cadmium	**0.11**	**J**	0.55	0.016	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Calcium	**6500**	**B**	550	1.7	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Chromium	**14**		0.55	0.085	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Cobalt	**6.7**		5.5	0.046	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Copper	**33**		2.8	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Iron	**18000**	**B**	11	0.98	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Lead	**50**		1.1	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Magnesium	**2700**	**B**	550	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Manganese	**360**		1.7	0.098	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1

Client Sample Results

Client Sample ID: SSHS-B73-2-6 (4)

Lab Sample ID: 180-35776-25

Date Collected: 08/13/14 10:05

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 87.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**28**		4.4	0.052	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Potassium	**590**	**B**	550	7.1	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Selenium	**0.78**	**J**	1.1	0.30	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Silver	ND		0.55	0.045	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Sodium	**140**	**J B**	550	1.2	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Thallium	**0.18**	**J**	2.2	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Vanadium	**13**		5.5	0.19	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1
Zinc	**64**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 20:20	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.033**	**J**	0.036	0.012	mg/Kg	☼	08/25/14 10:10	08/25/14 12:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**88**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	ND		0.56	0.17	mg/Kg	☼	08/20/14 14:00	08/20/14 15:20	1

Client Sample ID: SSHS-B73-6-10 (8)

Lab Sample ID: 180-35776-26

Date Collected: 08/13/14 10:10

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 91.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.9	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Benzene	ND		4.9	0.67	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Bromoform	ND		4.9	0.44	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Bromomethane	ND		4.9	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
2-Butanone (MEK)	ND		4.9	0.87	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Carbon disulfide	ND		4.9	0.50	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Carbon tetrachloride	ND		4.9	0.44	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Chlorobenzene	ND		4.9	0.75	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Chlorobromomethane	ND		4.9	0.68	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Chlorodibromomethane	ND		4.9	0.70	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Chloroethane	ND		4.9	1.5	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Chloroform	ND		4.9	0.58	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Chloromethane	ND		4.9	0.84	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
cis-1,2-Dichloroethene	ND		4.9	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
cis-1,3-Dichloropropene	ND		4.9	0.67	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Cyclohexane	ND		4.9	0.37	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
1,2-Dibromo-3-Chloropropane	ND		4.9	0.74	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
1,2-Dibromoethane	ND		4.9	0.85	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
1,2-Dichlorobenzene	ND		4.9	0.79	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
1,3-Dichlorobenzene	ND		4.9	0.65	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
1,4-Dichlorobenzene	ND		4.9	0.63	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Dichlorobromomethane	ND		4.9	0.55	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Dichlorodifluoromethane	ND		4.9	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
1,1-Dichloroethane	ND		4.9	0.57	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
1,2-Dichloroethane	ND		4.9	0.60	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B73-6-10 (8) **Lab Sample ID: 180-35776-26**
Date Collected: 08/13/14 10:10 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 91.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		4.9	0.84	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
1,2-Dichloropropane	ND		4.9	0.54	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
1,4-Dioxane	ND		990	270	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Ethylbenzene	ND		4.9	0.63	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
2-Hexanone	ND		4.9	0.68	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Isopropylbenzene	ND		4.9	0.67	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Methyl acetate	ND		4.9	0.89	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Methylcyclohexane	ND		4.9	0.71	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Methylene Chloride	ND		4.9	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	0.64	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Methyl tert-butyl ether	ND		4.9	0.74	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
m-Xylene & p-Xylene	ND		9.9	1.4	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
o-Xylene	ND		4.9	0.77	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Styrene	ND		4.9	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.71	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Tetrachloroethene	ND		4.9	0.67	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Toluene	ND		4.9	0.72	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
trans-1,2-Dichloroethene	ND		4.9	0.59	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
trans-1,3-Dichloropropene	ND		4.9	0.59	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
1,2,3-Trichlorobenzene	ND		4.9	0.83	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
1,2,4-Trichlorobenzene	ND		4.9	0.87	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
1,1,1-Trichloroethane	ND		4.9	0.48	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
1,1,2-Trichloroethane	ND		4.9	0.82	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Trichloroethene	ND		4.9	0.65	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Trichlorofluoromethane	ND		4.9	0.91	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1
Vinyl chloride	ND		4.9	0.46	ug/Kg	☼	08/16/14 12:34	08/16/14 19:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/16/14 12:34*	*08/16/14 19:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 120*	*08/16/14 12:34*	*08/16/14 19:03*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/16/14 12:34*	*08/16/14 19:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*52 - 124*	*08/16/14 12:34*	*08/16/14 19:03*	*1*
Toluene-d8 (Surr)	*108*		*72 - 127*	*08/16/14 12:34*	*08/16/14 19:03*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**360**		73	7.0	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Acenaphthylene	**9.5**	**J**	73	8.3	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Acetophenone	ND		360	30	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Anthracene	**540**		73	7.1	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Atrazine	ND		360	35	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Benzo[a]anthracene	**930**		73	9.1	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Benzo[a]pyrene	**790**		73	7.3	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Benzo[b]fluoranthene	**860**		73	11	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Benzo[g,h,i]perylene	**590**		73	7.3	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Benzo[k]fluoranthene	**340**		73	15	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B73-6-10 (8)

Date Collected: 08/13/14 10:10
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-26

Matrix: Solid
Percent Solids: 91.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Bis(2-chloroethyl)ether	ND		73	9.8	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Carbazole	**190**		73	6.7	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Chrysene	**890**		73	8.7	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Dibenz(a,h)anthracene	**170**		73	8.1	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Dibenzofuran	**200**	**J**	360	36	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
2,4-Dinitrophenol	ND		1900	430	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Fluoranthene	**1700**		73	7.8	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Fluorene	**300**		73	9.6	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Hexachlorobenzene	ND		73	7.8	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Hexachlorobutadiene	ND		73	8.2	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Indeno[1,2,3-cd]pyrene	**490**		73	7.5	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Isophorone	ND		360	27	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
2-Methylnaphthalene	**100**		73	6.6	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Naphthalene	**200**		73	6.3	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
N-Nitrosodi-n-propylamine	ND		73	8.5	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
2,2'-oxybis[1-chloropropane]	ND		73	7.9	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B73-6-10 (8)

Date Collected: 08/13/14 10:10
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-26
Matrix: Solid
Percent Solids: 91.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Phenanthrene	**2300**		73	12	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Phenol	ND		73	8.6	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
Pyrene	**2400**		73	7.4	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/23/14 02:20	08/25/14 07:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown PAH	*300*	*T J*	*ug/Kg*	☼	*10.14*		*08/23/14 02:20*	*08/25/14 07:08*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*10.75*		*08/23/14 02:20*	*08/25/14 07:08*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*10.78*		*08/23/14 02:20*	*08/25/14 07:08*	*1*
Unknown	*520*	*T J*	*ug/Kg*	☼	*10.87*		*08/23/14 02:20*	*08/25/14 07:08*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*12.34*		*08/23/14 02:20*	*08/25/14 07:08*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*12.49*		*08/23/14 02:20*	*08/25/14 07:08*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*12.81*		*08/23/14 02:20*	*08/25/14 07:08*	*1*
Unknown	*660*	*T J*	*ug/Kg*	☼	*16.51*		*08/23/14 02:20*	*08/25/14 07:08*	*1*
Unknown	*370*	*T J*	*ug/Kg*	☼	*18.96*		*08/23/14 02:20*	*08/25/14 07:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*35 - 105*	*08/23/14 02:20*	*08/25/14 07:08*	*1*
2-Fluorophenol (Surr)	*77*		*39 - 103*	*08/23/14 02:20*	*08/25/14 07:08*	*1*
Nitrobenzene-d5 (Surr)	*82*		*25 - 104*	*08/23/14 02:20*	*08/25/14 07:08*	*1*
Phenol-d5 (Surr)	*71*		*25 - 105*	*08/23/14 02:20*	*08/25/14 07:08*	*1*
Terphenyl-d14 (Surr)	*96*		*25 - 127*	*08/23/14 02:20*	*08/25/14 07:08*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*35 - 124*	*08/23/14 02:20*	*08/25/14 07:08*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
alpha-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
beta-BHC	ND		1.8	0.47	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
4,4'-DDD	ND		1.8	0.24	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
delta-BHC	**0.32**	**J p**	1.8	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
Endrin	**0.39**	**J p**	1.8	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
gamma-BHC (Lindane)	**0.85**	**J**	1.8	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
gamma-Chlordane	**0.53**	**J p**	1.8	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
Heptachlor epoxide	**0.40**	**J p**	1.8	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1
Methoxychlor	ND		3.6	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1

Client Sample ID: SSHS-B73-6-10 (8)

Lab Sample ID: 180-35776-26

Date Collected: 08/13/14 10:10

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 91.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		72	12	ug/Kg	☼	08/23/14 02:50	08/25/14 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 130*	*08/23/14 02:50*	*08/25/14 20:21*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 130*	*08/23/14 02:50*	*08/25/14 20:21*	*1*
Tetrachloro-m-xylene	*69*		*45 - 130*	*08/23/14 02:50*	*08/25/14 20:21*	*1*
Tetrachloro-m-xylene	*70*		*45 - 130*	*08/23/14 02:50*	*08/25/14 20:21*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/23/14 02:50	08/25/14 20:01	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/23/14 02:50	08/25/14 20:01	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/23/14 02:50	08/25/14 20:01	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/23/14 02:50	08/25/14 20:01	1
PCB-1248	**46**		18	1.7	ug/Kg	☼	08/23/14 02:50	08/25/14 20:33	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/23/14 02:50	08/25/14 20:01	1
PCB-1260	**12**	**J**	18	2.6	ug/Kg	☼	08/23/14 02:50	08/25/14 20:01	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/23/14 02:50	08/25/14 20:01	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/23/14 02:50	08/25/14 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 125*	*08/23/14 02:50*	*08/25/14 20:01*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/23/14 02:50*	*08/25/14 20:33*	*1*
Tetrachloro-m-xylene (Surr)	*65*		*45 - 135*	*08/23/14 02:50*	*08/25/14 20:01*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*45 - 135*	*08/23/14 02:50*	*08/25/14 20:33*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6200**		22	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Arsenic	**5.9**		1.1	0.34	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Barium	**54**	**B**	22	0.014	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Beryllium	**0.25**	**J**	0.44	0.012	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Cadmium	**0.086**	**J**	0.55	0.016	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Calcium	**31000**	**B**	550	1.7	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Chromium	**8.0**		0.55	0.085	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Cobalt	**5.6**		5.5	0.046	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Copper	**25**		2.8	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Iron	**15000**	**B**	11	0.98	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Lead	**13**		1.1	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Magnesium	**6700**	**B**	550	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Manganese	**390**		1.7	0.098	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Nickel	**15**		4.4	0.052	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Potassium	**620**	**B**	550	7.0	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Selenium	**0.37**	**J**	1.1	0.30	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Silver	ND		0.55	0.045	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Sodium	**140**	**J B**	550	1.2	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Vanadium	**10**		5.5	0.19	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1
Zinc	**59**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 20:55	1

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

Client Sample ID: SSHS-B73-6-10 (8)

Lab Sample ID: 180-35776-26

Date Collected: 08/13/14 10:10
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 91.5

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.012	mg/Kg	☼	08/25/14 10:10	08/25/14 12:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.5**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**92**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	ND		0.53	0.15	mg/Kg	☼	08/20/14 12:00	08/20/14 13:05	1

Client Sample ID: SSHS-B73-10-15 (12.5)

Lab Sample ID: 180-35776-27

Date Collected: 08/13/14 10:25
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 89.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.3	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Benzene	ND		4.3	0.58	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Bromoform	ND		4.3	0.38	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Bromomethane	ND		4.3	0.64	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
2-Butanone (MEK)	ND		4.3	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Carbon disulfide	ND		4.3	0.44	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Carbon tetrachloride	ND		4.3	0.38	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Chlorobenzene	ND		4.3	0.65	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Chlorobromomethane	ND		4.3	0.59	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Chlorodibromomethane	ND		4.3	0.61	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Chloroethane	ND		4.3	1.3	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Chloroform	ND		4.3	0.50	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Chloromethane	ND		4.3	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
cis-1,2-Dichloroethene	ND		4.3	0.60	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
cis-1,3-Dichloropropene	ND		4.3	0.58	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Cyclohexane	ND		4.3	0.32	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
1,2-Dibromo-3-Chloropropane	ND		4.3	0.64	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
1,2-Dibromoethane	ND		4.3	0.74	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
1,2-Dichlorobenzene	ND		4.3	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
1,3-Dichlorobenzene	ND		4.3	0.56	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
1,4-Dichlorobenzene	ND		4.3	0.55	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Dichlorobromomethane	ND		4.3	0.48	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Dichlorodifluoromethane	ND		4.3	0.57	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
1,1-Dichloroethane	ND		4.3	0.49	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
1,2-Dichloroethane	ND		4.3	0.53	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
1,1-Dichloroethene	ND		4.3	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
1,2-Dichloropropane	ND		4.3	0.47	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
1,4-Dioxane	ND		860	240	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Ethylbenzene	ND		4.3	0.55	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
2-Hexanone	ND		4.3	0.59	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Isopropylbenzene	ND		4.3	0.58	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Methyl acetate	ND		4.3	0.78	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Methylcyclohexane	ND		4.3	0.62	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Methylene Chloride	ND		4.3	0.58	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
4-Methyl-2-pentanone (MIBK)	ND		4.3	0.56	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Methyl tert-butyl ether	ND		4.3	0.64	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1

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

Client Sample ID: SSHS-B73-10-15 (12.5) **Lab Sample ID: 180-35776-27**

Date Collected: 08/13/14 10:25 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 89.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		8.6	1.3	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
o-Xylene	ND		4.3	0.67	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Styrene	ND		4.3	0.61	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.62	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Tetrachloroethene	ND		4.3	0.59	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Toluene	ND		4.3	0.63	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
trans-1,2-Dichloroethene	ND		4.3	0.51	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
trans-1,3-Dichloropropene	ND		4.3	0.51	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
1,2,3-Trichlorobenzene	ND		4.3	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
1,2,4-Trichlorobenzene	ND		4.3	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
1,1,1-Trichloroethane	ND		4.3	0.42	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
1,1,2-Trichloroethane	ND		4.3	0.71	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Trichloroethene	**0.75**	**J**	4.3	0.57	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Trichlorofluoromethane	ND		4.3	0.79	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3	0.92	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1
Vinyl chloride	ND		4.3	0.40	ug/Kg	☼	08/16/14 12:34	08/16/14 19:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/16/14 12:34*	*08/16/14 19:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*63 - 120*	*08/16/14 12:34*	*08/16/14 19:26*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/16/14 12:34*	*08/16/14 19:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*52 - 124*	*08/16/14 12:34*	*08/16/14 19:26*	*1*
Toluene-d8 (Surr)	*107*		*72 - 127*	*08/16/14 12:34*	*08/16/14 19:26*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1200**		380	36	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Acenaphthylene	ND		380	43	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Acetophenone	ND		1800	150	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Anthracene	**3200**		380	37	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Atrazine	ND		1800	180	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Benzaldehyde	ND		1800	280	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Benzo[a]anthracene	**4200**		380	47	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Benzo[a]pyrene	**3700**		380	37	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Benzo[b]fluoranthene	**3900**		380	59	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Benzo[g,h,i]perylene	**2400**		380	37	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Benzo[k]fluoranthene	**1500**		380	76	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
1,1'-Biphenyl	ND		1800	170	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Bis(2-chloroethoxy)methane	ND		1800	120	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Bis(2-chloroethyl)ether	ND		380	50	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Bis(2-ethylhexyl) phthalate	**840**	**J**	3800	300	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
4-Bromophenyl phenyl ether	ND		1800	160	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Butyl benzyl phthalate	ND		1800	260	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Caprolactam	ND		9500	1400	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Carbazole	**940**		380	34	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
4-Chloroaniline	ND		1800	150	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
4-Chloro-3-methylphenol	ND		1800	170	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
2-Chloronaphthalene	ND		380	39	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5

Client Sample ID: SSHS-B73-10-15 (12.5)	**Lab Sample ID: 180-35776-27**
Date Collected: 08/13/14 10:25	**Matrix: Solid**
Date Received: 08/14/14 13:08	**Percent Solids: 89.2**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		1800	150	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
4-Chlorophenyl phenyl ether	ND		1800	210	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Chrysene	**4000**		380	45	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Dibenz(a,h)anthracene	**680**		380	42	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Dibenzofuran	**880**	**J**	1800	180	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
3,3'-Dichlorobenzidine	ND		1800	200	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
2,4-Dichlorophenol	ND		380	38	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Diethyl phthalate	ND		1800	200	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
2,4-Dimethylphenol	ND		1800	290	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Dimethyl phthalate	ND		1800	200	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Di-n-butyl phthalate	ND		1800	230	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
4,6-Dinitro-2-methylphenol	ND		9500	750	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
2,4-Dinitrophenol	ND		9500	2200	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
2,4-Dinitrotoluene	ND		1800	150	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
2,6-Dinitrotoluene	ND		1800	190	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Di-n-octyl phthalate	ND		1800	200	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
1,4-Dioxane	ND		3800	210	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Fluoranthene	**10000**		380	40	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Fluorene	**1300**		380	49	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Hexachlorobenzene	ND		380	40	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Hexachlorobutadiene	ND		380	42	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Hexachlorocyclopentadiene	ND		1800	200	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Hexachloroethane	ND		1800	130	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Indeno[1,2,3-cd]pyrene	**2200**		380	39	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Isophorone	ND		1800	140	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
2-Methylnaphthalene	**320**	**J**	380	34	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
2-Methylphenol	ND		1800	130	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Methylphenol, 3 & 4	ND		1800	180	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Naphthalene	**600**		380	32	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
2-Nitroaniline	ND		9500	840	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
3-Nitroaniline	ND		9500	770	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
4-Nitroaniline	ND		9500	760	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Nitrobenzene	ND		3800	160	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
2-Nitrophenol	ND		1800	210	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
4-Nitrophenol	ND		9500	680	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
N-Nitrosodi-n-propylamine	ND		380	44	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
N-Nitrosodiphenylamine	ND		1800	170	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
2,2'-oxybis[1-chloropropane]	ND		380	40	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Pentachlorophenol	ND		1800	170	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Phenanthrene	**12000**		380	59	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Phenol	ND		380	44	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
Pyrene	**11000**		380	38	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
1,2,4,5-Tetrachlorobenzene	ND		1800	140	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
2,3,4,6-Tetrachlorophenol	ND		1800	120	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
2,4,5-Trichlorophenol	ND		1800	200	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5
2,4,6-Trichlorophenol	ND		1800	280	ug/Kg	☼	08/23/14 02:20	08/25/14 07:37	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*960*	*T J*	*ug/Kg*	☼	*10.76*		*08/23/14 02:20*	*08/25/14 07:37*	*5*
Unknown	*1300*	*T J*	*ug/Kg*	☼	*10.79*		*08/23/14 02:20*	*08/25/14 07:37*	*5*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B73-10-15 (12.5)

Date Collected: 08/13/14 10:25
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-27
Matrix: Solid
Percent Solids: 89.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*2300*	*T J*	*ug/Kg*	☼	*10.88*		*08/23/14 02:20*	*08/25/14 07:37*	*5*
Unknown PAH	*820*	*T J*	*ug/Kg*	☼	*12.33*		*08/23/14 02:20*	*08/25/14 07:37*	*5*
Unknown	*2100*	*T J*	*ug/Kg*	☼	*16.54*		*08/23/14 02:20*	*08/25/14 07:37*	*5*
Unknown	*1800*	*T J*	*ug/Kg*	☼	*16.64*		*08/23/14 02:20*	*08/25/14 07:37*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*08/23/14 02:20*	*08/25/14 07:37*	*5*
2-Fluorophenol (Surr)	*75*		*39 - 103*	*08/23/14 02:20*	*08/25/14 07:37*	*5*
Nitrobenzene-d5 (Surr)	*80*		*25 - 104*	*08/23/14 02:20*	*08/25/14 07:37*	*5*
Phenol-d5 (Surr)	*72*		*25 - 105*	*08/23/14 02:20*	*08/25/14 07:37*	*5*
Terphenyl-d14 (Surr)	*86*		*25 - 127*	*08/23/14 02:20*	*08/25/14 07:37*	*5*
2,4,6-Tribromophenol (Surr)	*61*		*35 - 124*	*08/23/14 02:20*	*08/25/14 07:37*	*5*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
alpha-Chlordane	**0.51**	**J p**	1.9	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
4,4'-DDD	**0.82**	**J p**	1.9	0.24	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
4,4'-DDT	**1.3**	**J**	1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
delta-BHC	**0.66**	**J p**	1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
Endosulfan sulfate	**0.58**	**J**	1.9	0.19	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
Endrin	**1.1**	**J p**	1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
Endrin aldehyde	**0.92**	**J p**	1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
gamma-Chlordane	**1.3**	**J p**	1.9	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
Heptachlor epoxide	**0.91**	**J p**	1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
Methoxychlor	**1.1**	**J p**	3.7	0.39	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1
Toxaphene	ND		75	12	ug/Kg	☼	08/23/14 02:50	08/25/14 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/23/14 02:50*	*08/25/14 20:37*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*	*08/23/14 02:50*	*08/25/14 20:37*	*1*
Tetrachloro-m-xylene	*85*		*45 - 130*	*08/23/14 02:50*	*08/25/14 20:37*	*1*
Tetrachloro-m-xylene	*87*		*45 - 130*	*08/23/14 02:50*	*08/25/14 20:37*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/23/14 02:50	08/25/14 20:33	1
PCB-1221	ND		19	3.5	ug/Kg	☼	08/23/14 02:50	08/25/14 20:33	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/23/14 02:50	08/25/14 20:33	1
PCB-1242	ND		19	3.0	ug/Kg	☼	08/23/14 02:50	08/25/14 20:33	1
PCB-1248	**77**		19	1.8	ug/Kg	☼	08/23/14 02:50	08/25/14 21:04	1

Client Sample Results

Client Sample ID: SSHS-B73-10-15 (12.5)

Lab Sample ID: 180-35776-27

Date Collected: 08/13/14 10:25
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 89.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	ND		19	2.6	ug/Kg	☼	08/23/14 02:50	08/25/14 20:33	1
PCB-1260	**24**		19	2.6	ug/Kg	☼	08/23/14 02:50	08/25/14 21:04	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/23/14 02:50	08/25/14 20:33	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/23/14 02:50	08/25/14 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/23/14 02:50*	*08/25/14 20:33*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/23/14 02:50*	*08/25/14 21:04*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*	*08/23/14 02:50*	*08/25/14 20:33*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*	*08/23/14 02:50*	*08/25/14 21:04*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7600**		22	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Antimony	**0.55**	**J**	1.1	0.22	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Arsenic	**8.6**		1.1	0.34	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Barium	**78**	**B**	22	0.014	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Beryllium	**0.36**	**J**	0.44	0.012	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Cadmium	**0.17**	**J**	0.55	0.016	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Calcium	**15000**	**B**	550	1.7	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Chromium	**12**		0.55	0.086	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Cobalt	**6.7**		5.5	0.046	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Copper	**37**		2.8	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Iron	**18000**	**B**	11	0.98	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Lead	**42**		1.1	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Magnesium	**3800**	**B**	550	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Manganese	**430**		1.7	0.099	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Nickel	**24**		4.4	0.053	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Potassium	**640**	**B**	550	7.1	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Selenium	ND		1.1	0.30	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Silver	**0.070**	**J**	0.55	0.045	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Sodium	**180**	**J B**	550	1.2	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Vanadium	**13**		5.5	0.19	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1
Zinc	**74**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 21:00	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.033**	**J**	0.036	0.012	mg/Kg	☼	08/25/14 10:10	08/25/14 13:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**89**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/20/14 12:00	08/20/14 13:05	1

Client Sample Results

Client Sample ID: SSHS-B74-SS
Lab Sample ID: 180-35776-28
Date Collected: 08/13/14 09:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 77.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	6.3	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Benzene	ND		6.3	0.86	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Bromoform	ND		6.3	0.56	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Bromomethane	ND		6.3	0.94	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
2-Butanone (MEK)	ND		6.3	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Carbon disulfide	ND		6.3	0.65	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Carbon tetrachloride	ND		6.3	0.57	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Chlorobenzene	ND		6.3	0.96	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Chlorobromomethane	ND		6.3	0.87	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Chlorodibromomethane	ND		6.3	0.90	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Chloroethane	ND		6.3	2.0	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Chloroform	ND		6.3	0.74	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Chloromethane	ND		6.3	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
cis-1,2-Dichloroethene	ND		6.3	0.89	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
cis-1,3-Dichloropropene	ND		6.3	0.86	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Cyclohexane	ND		6.3	0.47	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
1,2-Dibromo-3-Chloropropane	ND		6.3	0.95	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
1,2-Dibromoethane	ND		6.3	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
1,2-Dichlorobenzene	ND		6.3	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
1,3-Dichlorobenzene	ND		6.3	0.83	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
1,4-Dichlorobenzene	ND		6.3	0.81	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Dichlorobromomethane	ND		6.3	0.71	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Dichlorodifluoromethane	ND		6.3	0.84	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
1,1-Dichloroethane	ND		6.3	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
1,2-Dichloroethane	ND		6.3	0.78	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
1,1-Dichloroethene	ND		6.3	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
1,2-Dichloropropane	ND		6.3	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
1,4-Dioxane	ND		1300	350	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Ethylbenzene	ND		6.3	0.82	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
2-Hexanone	ND		6.3	0.88	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Isopropylbenzene	ND		6.3	0.86	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Methyl acetate	ND		6.3	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Methylcyclohexane	ND		6.3	0.92	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Methylene Chloride	ND		6.3	0.85	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
4-Methyl-2-pentanone (MIBK)	ND		6.3	0.83	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Methyl tert-butyl ether	ND		6.3	0.95	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
m-Xylene & p-Xylene	ND		13	1.9	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
o-Xylene	ND		6.3	0.99	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Styrene	ND		6.3	0.90	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
1,1,2,2-Tetrachloroethane	ND		6.3	0.91	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Tetrachloroethene	ND		6.3	0.86	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Toluene	ND		6.3	0.93	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
trans-1,2-Dichloroethene	ND		6.3	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
trans-1,3-Dichloropropene	ND		6.3	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
1,2,3-Trichlorobenzene	ND		6.3	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
1,2,4-Trichlorobenzene	ND		6.3	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
1,1,1-Trichloroethane	ND		6.3	0.62	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
1,1,2-Trichloroethane	ND		6.3	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Trichloroethene	ND		6.3	0.83	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B74-SS

Date Collected: 08/13/14 09:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-28

Matrix: Solid
Percent Solids: 77.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		6.3	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.3	1.4	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1
Vinyl chloride	ND		6.3	0.60	ug/Kg	☼	08/16/14 12:34	08/16/14 19:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/16/14 12:34*	*08/16/14 19:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*	*08/16/14 12:34*	*08/16/14 19:48*	*1*
Dibromofluoromethane (Surr)	*114*		*68 - 121*	*08/16/14 12:34*	*08/16/14 19:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*52 - 124*	*08/16/14 12:34*	*08/16/14 19:48*	*1*
Toluene-d8 (Surr)	*113*		*72 - 127*	*08/16/14 12:34*	*08/16/14 19:48*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**21**	**J**	86	8.2	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Acenaphthylene	ND		86	9.8	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Acetophenone	ND		420	35	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Anthracene	**100**		86	8.4	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Atrazine	ND		420	42	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Benzaldehyde	ND		420	64	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Benzo[a]anthracene	**680**		86	11	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Benzo[a]pyrene	**710**		86	8.6	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Benzo[b]fluoranthene	**1100**		86	13	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Benzo[g,h,i]perylene	**610**		86	8.5	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Benzo[k]fluoranthene	**380**		86	17	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
1,1'-Biphenyl	ND		420	38	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Bis(2-chloroethoxy)methane	ND		420	28	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Bis(2-chloroethyl)ether	ND		86	11	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Bis(2-ethylhexyl) phthalate	ND		860	69	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
4-Bromophenyl phenyl ether	ND		420	37	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Butyl benzyl phthalate	**64**	**J**	420	58	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Caprolactam	ND		2200	320	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Carbazole	**62**	**J**	86	7.9	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
4-Chloroaniline	ND		420	34	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
4-Chloro-3-methylphenol	ND		420	39	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
2-Chloronaphthalene	ND		86	8.9	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
2-Chlorophenol	ND		420	35	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
4-Chlorophenyl phenyl ether	ND		420	48	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Chrysene	**850**		86	10	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Dibenz(a,h)anthracene	**160**		86	9.5	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Dibenzofuran	ND		420	42	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
3,3'-Dichlorobenzidine	ND		420	45	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
2,4-Dichlorophenol	ND		86	8.6	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Diethyl phthalate	ND		420	47	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
2,4-Dimethylphenol	ND		420	67	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Dimethyl phthalate	ND		420	47	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Di-n-butyl phthalate	ND		420	54	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
4,6-Dinitro-2-methylphenol	ND		2200	170	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
2,4-Dinitrophenol	ND		2200	510	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1

Client Sample ID: SSHS-B74-SS

Lab Sample ID: 180-35776-28

Date Collected: 08/13/14 09:00

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 77.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		420	35	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
2,6-Dinitrotoluene	ND		420	44	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Di-n-octyl phthalate	ND		420	45	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
1,4-Dioxane	ND		860	49	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Fluoranthene	**1500**		86	9.1	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Fluorene	**23**	**J**	86	11	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Hexachlorobenzene	ND		86	9.1	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Hexachlorobutadiene	ND		86	9.6	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Hexachlorocyclopentadiene	ND		420	46	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Hexachloroethane	ND		420	31	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Indeno[1,2,3-cd]pyrene	**570**		86	8.8	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Isophorone	ND		420	32	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
2-Methylnaphthalene	ND		86	7.7	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
2-Methylphenol	ND		420	30	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Methylphenol, 3 & 4	ND		420	42	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Naphthalene	ND		86	7.4	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
2-Nitroaniline	ND		2200	190	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
3-Nitroaniline	ND		2200	180	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
4-Nitroaniline	ND		2200	170	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Nitrobenzene	ND		860	36	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
2-Nitrophenol	ND		420	47	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
4-Nitrophenol	ND		2200	160	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
N-Nitrosodi-n-propylamine	ND		86	10	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
N-Nitrosodiphenylamine	ND		420	40	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
2,2'-oxybis[1-chloropropane]	ND		86	9.2	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Pentachlorophenol	ND		420	38	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Phenanthrene	**500**		86	14	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Phenol	ND		86	10	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
Pyrene	**1500**		86	8.6	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
1,2,4,5-Tetrachlorobenzene	ND		420	32	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
2,3,4,6-Tetrachlorophenol	ND		420	27	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
2,4,5-Trichlorophenol	ND		420	46	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1
2,4,6-Trichlorophenol	ND		420	64	ug/Kg	☼	08/23/14 02:20	08/25/14 08:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*680*	*T J*	*ug/Kg*	☼	*15.77*		*08/23/14 02:20*	*08/25/14 08:05*	*1*
Unknown	*520*	*T J*	*ug/Kg*	☼	*16.37*		*08/23/14 02:20*	*08/25/14 08:05*	*1*
Unknown PAH	*1300*	*T J*	*ug/Kg*	☼	*16.52*		*08/23/14 02:20*	*08/25/14 08:05*	*1*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*17.44*		*08/23/14 02:20*	*08/25/14 08:05*	*1*
Unknown	*850*	*T J*	*ug/Kg*	☼	*17.85*		*08/23/14 02:20*	*08/25/14 08:05*	*1*
Unknown	*420*	*T J*	*ug/Kg*	☼	*19.41*		*08/23/14 02:20*	*08/25/14 08:05*	*1*
Unknown	*390*	*T J*	*ug/Kg*	☼	*20.85*		*08/23/14 02:20*	*08/25/14 08:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*35 - 105*	*08/23/14 02:20*	*08/25/14 08:05*	*1*
2-Fluorophenol (Surr)	*80*		*39 - 103*	*08/23/14 02:20*	*08/25/14 08:05*	*1*
Nitrobenzene-d5 (Surr)	*86*		*25 - 104*	*08/23/14 02:20*	*08/25/14 08:05*	*1*
Phenol-d5 (Surr)	*75*		*25 - 105*	*08/23/14 02:20*	*08/25/14 08:05*	*1*
Terphenyl-d14 (Surr)	*95*		*25 - 127*	*08/23/14 02:20*	*08/25/14 08:05*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*35 - 124*	*08/23/14 02:20*	*08/25/14 08:05*	*1*

Client Sample ID: SSHS-B74-SS **Lab Sample ID: 180-35776-28**
Date Collected: 08/13/14 09:00 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 77.5**

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.2	0.38	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
alpha-BHC	ND		2.2	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
alpha-Chlordane	ND		2.2	0.43	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
beta-BHC	ND		2.2	0.56	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
4,4'-DDD	ND		2.2	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
4,4'-DDE	ND		2.2	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
4,4'-DDT	ND		2.2	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
delta-BHC	ND		2.2	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
Dieldrin	**1.3**	**J p**	2.2	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
Endosulfan I	ND		2.2	0.40	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
Endosulfan II	ND		2.2	0.38	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
Endosulfan sulfate	ND		2.2	0.22	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
Endrin	ND		2.2	0.42	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
Endrin aldehyde	ND		2.2	0.42	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
Endrin ketone	ND		2.2	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
gamma-BHC (Lindane)	ND		2.2	0.38	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
gamma-Chlordane	ND		2.2	0.42	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
Heptachlor	ND		2.2	0.48	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
Heptachlor epoxide	ND		2.2	0.42	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
Methoxychlor	ND		4.3	0.45	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1
Toxaphene	ND		86	14	ug/Kg	☼	08/23/14 02:50	08/25/14 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/23/14 02:50*	*08/25/14 20:52*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/23/14 02:50*	*08/25/14 20:52*	*1*
Tetrachloro-m-xylene	*84*		*45 - 130*	*08/23/14 02:50*	*08/25/14 20:52*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/23/14 02:50*	*08/25/14 20:52*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	3.2	ug/Kg	☼	08/23/14 02:50	08/25/14 21:04	1
PCB-1221	ND		21	4.1	ug/Kg	☼	08/23/14 02:50	08/25/14 21:04	1
PCB-1232	ND		21	3.7	ug/Kg	☼	08/23/14 02:50	08/25/14 21:04	1
PCB-1242	ND		21	3.5	ug/Kg	☼	08/23/14 02:50	08/25/14 21:04	1
PCB-1248	ND		21	2.0	ug/Kg	☼	08/23/14 02:50	08/25/14 21:04	1
PCB-1254	ND		21	3.1	ug/Kg	☼	08/23/14 02:50	08/25/14 21:04	1
PCB-1260	ND		21	3.1	ug/Kg	☼	08/23/14 02:50	08/25/14 21:04	1
PCB-1262	ND		21	4.7	ug/Kg	☼	08/23/14 02:50	08/25/14 21:04	1
PCB-1268	ND		21	2.8	ug/Kg	☼	08/23/14 02:50	08/25/14 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 125*	*08/23/14 02:50*	*08/25/14 21:04*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/23/14 02:50*	*08/25/14 21:36*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*45 - 135*	*08/23/14 02:50*	*08/25/14 21:04*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*45 - 135*	*08/23/14 02:50*	*08/25/14 21:36*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9900**		25	2.6	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Antimony	ND		1.2	0.24	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1

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

Client Sample ID: SSHS-B74-SS

Lab Sample ID: 180-35776-28

Date Collected: 08/13/14 09:00
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 77.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.0**		1.2	0.38	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Barium	**110**	**B**	25	0.016	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Beryllium	**0.49**		0.49	0.014	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Cadmium	**0.13**	**J**	0.61	0.018	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Calcium	**2200**	**B**	610	1.8	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Chromium	**13**		0.61	0.095	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Cobalt	**8.6**		6.1	0.051	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Copper	**19**		3.1	0.18	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Iron	**20000**	**B**	12	1.1	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Lead	**23**		1.2	0.13	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Magnesium	**2800**	**B**	610	2.5	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Manganese	**570**		1.8	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Nickel	**26**		4.9	0.058	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Potassium	**900**	**B**	610	7.8	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Selenium	**0.58**	**J**	1.2	0.33	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Silver	ND		0.61	0.050	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Sodium	**51**	**J B**	610	1.3	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Thallium	ND		2.5	0.18	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Vanadium	**13**		6.1	0.21	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1
Zinc	**63**	**B**	2.5	0.13	mg/Kg	☼	08/20/14 13:59	08/26/14 21:05	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.036**	**J**	0.041	0.014	mg/Kg	☼	08/25/14 10:10	08/25/14 13:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**22**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**78**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	ND		0.65	0.19	mg/Kg	☼	08/20/14 12:00	08/20/14 13:05	1

Client Sample ID: SSHS-B74-0.17-2 (1.5)

Lab Sample ID: 180-35776-29

Date Collected: 08/13/14 09:09
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 90.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		23	5.7	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Benzene	ND		5.7	0.77	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Bromoform	ND		5.7	0.50	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Bromomethane	ND		5.7	0.84	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
2-Butanone (MEK)	ND		5.7	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Carbon disulfide	ND		5.7	0.58	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Carbon tetrachloride	ND		5.7	0.51	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Chlorobenzene	ND		5.7	0.86	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Chlorobromomethane	ND		5.7	0.78	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Chlorodibromomethane	ND		5.7	0.81	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Chloroethane	ND		5.7	1.8	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Chloroform	ND		5.7	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Chloromethane	ND		5.7	0.97	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1

Client Sample Results

Client Sample ID: SSHS-B74-0.17-2 (1.5)
Date Collected: 08/13/14 09:09
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-29
Matrix: Solid
Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		5.7	0.80	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
cis-1,3-Dichloropropene	ND		5.7	0.77	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Cyclohexane	ND		5.7	0.42	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
1,2-Dibromo-3-Chloropropane	ND		5.7	0.85	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
1,2-Dibromoethane	ND		5.7	0.98	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
1,2-Dichlorobenzene	ND		5.7	0.90	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
1,3-Dichlorobenzene	ND		5.7	0.74	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
1,4-Dichlorobenzene	ND		5.7	0.72	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Dichlorobromomethane	ND		5.7	0.64	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Dichlorodifluoromethane	ND		5.7	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
1,1-Dichloroethane	ND		5.7	0.65	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
1,2-Dichloroethane	ND		5.7	0.70	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
1,1-Dichloroethene	ND		5.7	0.96	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
1,2-Dichloropropane	ND		5.7	0.62	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
1,4-Dioxane	ND		1100	310	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Ethylbenzene	ND		5.7	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
2-Hexanone	ND		5.7	0.78	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Isopropylbenzene	ND		5.7	0.77	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Methyl acetate	ND		5.7	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Methylcyclohexane	ND		5.7	0.82	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Methylene Chloride	ND		5.7	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.7	0.74	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Methyl tert-butyl ether	ND		5.7	0.85	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
m-Xylene & p-Xylene	ND		11	1.7	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
o-Xylene	ND		5.7	0.88	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Styrene	ND		5.7	0.80	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
1,1,2,2-Tetrachloroethane	ND		5.7	0.82	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Tetrachloroethene	ND		5.7	0.77	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Toluene	ND		5.7	0.83	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
trans-1,2-Dichloroethene	ND		5.7	0.68	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
trans-1,3-Dichloropropene	ND		5.7	0.68	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
1,2,3-Trichlorobenzene	ND		5.7	0.96	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
1,2,4-Trichlorobenzene	ND		5.7	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
1,1,1-Trichloroethane	ND		5.7	0.55	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
1,1,2-Trichloroethane	ND		5.7	0.94	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Trichloroethene	ND		5.7	0.75	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Trichlorofluoromethane	ND		5.7	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1
Vinyl chloride	ND		5.7	0.53	ug/Kg	☼	08/16/14 12:34	08/16/14 20:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/16/14 12:34*	*08/16/14 20:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/16/14 12:34*	*08/16/14 20:10*	*1*
Dibromofluoromethane (Surr)	*112*		*68 - 121*	*08/16/14 12:34*	*08/16/14 20:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*52 - 124*	*08/16/14 12:34*	*08/16/14 20:10*	*1*
Toluene-d8 (Surr)	*107*		*72 - 127*	*08/16/14 12:34*	*08/16/14 20:10*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B74-0.17-2 (1.5)
Date Collected: 08/13/14 09:09
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-29
Matrix: Solid
Percent Solids: 90.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**9.0**	**J**	74	7.1	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Acenaphthylene	ND		74	8.4	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Acetophenone	ND		360	30	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Anthracene	**35**	**J**	74	7.2	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Atrazine	ND		360	36	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Benzo[a]anthracene	**160**		74	9.2	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Benzo[a]pyrene	**140**		74	7.4	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Benzo[b]fluoranthene	**220**		74	12	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Benzo[g,h,i]perylene	**130**		74	7.3	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Benzo[k]fluoranthene	**75**		74	15	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Bis(2-ethylhexyl) phthalate	**180**	**J**	740	59	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Carbazole	ND		74	6.8	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Chrysene	**160**		74	8.8	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Dibenz(a,h)anthracene	ND		74	8.2	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Fluoranthene	**330**		74	7.9	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Fluorene	ND		74	9.7	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Hexachlorobenzene	ND		74	7.8	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Hexachlorobutadiene	ND		74	8.2	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Hexachlorocyclopentadiene	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Indeno[1,2,3-cd]pyrene	**110**		74	7.6	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Isophorone	ND		360	28	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
2-Methylnaphthalene	**9.1**	**J**	74	6.6	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B74-0.17-2 (1.5)
Date Collected: 08/13/14 09:09
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-29
Matrix: Solid
Percent Solids: 90.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Naphthalene	ND		74	6.3	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
2-Nitrophenol	ND		360	41	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
N-Nitrosodi-n-propylamine	ND		74	8.6	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
2,2'-oxybis[1-chloropropane]	ND		74	7.9	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Phenanthrene	**150**		74	12	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Phenol	ND		74	8.7	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
Pyrene	**310**		74	7.4	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
2,3,4,6-Tetrachlorophenol	ND		360	24	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/23/14 02:20	08/25/14 08:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*300*	*T J*	*ug/Kg*	☼	*15.75*		*08/23/14 02:20*	*08/25/14 08:34*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*17.41*		*08/23/14 02:20*	*08/25/14 08:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*35 - 105*	*08/23/14 02:20*	*08/25/14 08:34*	*1*
2-Fluorophenol (Surr)	*74*		*39 - 103*	*08/23/14 02:20*	*08/25/14 08:34*	*1*
Nitrobenzene-d5 (Surr)	*83*		*25 - 104*	*08/23/14 02:20*	*08/25/14 08:34*	*1*
Phenol-d5 (Surr)	*69*		*25 - 105*	*08/23/14 02:20*	*08/25/14 08:34*	*1*
Terphenyl-d14 (Surr)	*82*		*25 - 127*	*08/23/14 02:20*	*08/25/14 08:34*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*35 - 124*	*08/23/14 02:20*	*08/25/14 08:34*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
4,4'-DDD	**0.33**	**J p**	1.9	0.24	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
4,4'-DDE	**0.32**	**J p**	1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
4,4'-DDT	**0.90**	**J p**	1.9	0.27	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
Dieldrin	**0.64**	**J**	1.9	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
Endrin	**0.82**	**J**	1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B74-0.17-2 (1.5)
Date Collected: 08/13/14 09:09
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-29
Matrix: Solid
Percent Solids: 90.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	**0.66**	**J p**	1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
Methoxychlor	**1.7**	**J**	3.6	0.38	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1
Toxaphene	ND		74	12	ug/Kg	☼	08/23/14 02:50	08/25/14 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/23/14 02:50*	*08/25/14 21:08*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/23/14 02:50*	*08/25/14 21:08*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/23/14 02:50*	*08/25/14 21:08*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/23/14 02:50*	*08/25/14 21:08*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/23/14 02:50	08/25/14 21:36	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/23/14 02:50	08/25/14 21:36	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/23/14 02:50	08/25/14 21:36	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/23/14 02:50	08/25/14 21:36	1
PCB-1248	**33**		18	1.7	ug/Kg	☼	08/23/14 02:50	08/25/14 22:07	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/23/14 02:50	08/25/14 21:36	1
PCB-1260	**16**	**J**	18	2.6	ug/Kg	☼	08/23/14 02:50	08/25/14 22:07	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/23/14 02:50	08/25/14 21:36	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/23/14 02:50	08/25/14 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/23/14 02:50*	*08/25/14 21:36*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/23/14 02:50*	*08/25/14 22:07*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*45 - 135*	*08/23/14 02:50*	*08/25/14 21:36*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*45 - 135*	*08/23/14 02:50*	*08/25/14 22:07*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9500**		22	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Arsenic	**7.0**		1.1	0.34	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Barium	**110**	**B**	22	0.014	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Beryllium	**0.43**	**J**	0.44	0.012	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Cadmium	**0.10**	**J**	0.55	0.016	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Calcium	**8000**	**B**	550	1.7	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Chromium	**12**		0.55	0.085	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Cobalt	**7.8**		5.5	0.046	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Copper	**22**		2.8	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Iron	**19000**	**B**	11	0.98	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Lead	**22**		1.1	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Magnesium	**2800**	**B**	550	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Manganese	**580**		1.7	0.098	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Nickel	**20**		4.4	0.052	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Potassium	**600**	**B**	550	7.0	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Selenium	**0.47**	**J**	1.1	0.29	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Silver	ND		0.55	0.045	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1

Client Sample Results

Client Sample ID: SSHS-B74-0.17-2 (1.5)

Lab Sample ID: 180-35776-29

Date Collected: 08/13/14 09:09

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 90.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**64**	**J B**	550	1.2	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Vanadium	**14**		5.5	0.19	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1
Zinc	**57**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 21:10	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.033**	**J**	0.035	0.012	mg/Kg	☼	08/25/14 10:10	08/25/14 13:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.2**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**91**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	**0.15**	**J**	0.52	0.15	mg/Kg	☼	08/20/14 12:00	08/20/14 13:05	1

Client Sample ID: SSHS-B74-2-6 (5)

Lab Sample ID: 180-35776-30

Date Collected: 08/13/14 09:10

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 95.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	5.5	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Benzene	ND		5.5	0.75	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Bromoform	ND		5.5	0.49	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Bromomethane	ND		5.5	0.82	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
2-Butanone (MEK)	ND		5.5	0.98	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Carbon disulfide	ND		5.5	0.57	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Carbon tetrachloride	ND		5.5	0.49	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Chlorobenzene	ND		5.5	0.84	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Chlorobromomethane	ND		5.5	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Chlorodibromomethane	ND		5.5	0.79	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Chloroethane	ND		5.5	1.7	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Chloroform	ND		5.5	0.65	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Chloromethane	ND		5.5	0.94	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
cis-1,2-Dichloroethene	ND		5.5	0.78	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
cis-1,3-Dichloropropene	ND		5.5	0.75	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Cyclohexane	ND		5.5	0.41	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
1,2-Dibromo-3-Chloropropane	ND		5.5	0.83	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
1,2-Dibromoethane	ND		5.5	0.95	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
1,2-Dichlorobenzene	ND		5.5	0.88	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
1,3-Dichlorobenzene	ND		5.5	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
1,4-Dichlorobenzene	ND		5.5	0.70	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Dichlorobromomethane	ND		5.5	0.62	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Dichlorodifluoromethane	ND		5.5	0.74	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
1,1-Dichloroethane	ND		5.5	0.64	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
1,2-Dichloroethane	ND		5.5	0.68	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
1,1-Dichloroethene	ND		5.5	0.94	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
1,2-Dichloropropane	ND		5.5	0.60	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
1,4-Dioxane	ND		1100	310	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Ethylbenzene	ND		5.5	0.71	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1

Client Sample ID: SSHS-B74-2-6 (5)
Date Collected: 08/13/14 09:10
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-30
Matrix: Solid
Percent Solids: 95.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.5	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Isopropylbenzene	ND		5.5	0.75	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Methyl acetate	ND		5.5	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Methylcyclohexane	ND		5.5	0.80	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Methylene Chloride	ND		5.5	0.74	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	0.72	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Methyl tert-butyl ether	ND		5.5	0.83	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
o-Xylene	ND		5.5	0.86	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Styrene	ND		5.5	0.78	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
1,1,2,2-Tetrachloroethane	ND		5.5	0.79	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Tetrachloroethene	ND		5.5	0.75	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Toluene	ND		5.5	0.81	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
trans-1,2-Dichloroethene	ND		5.5	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
trans-1,3-Dichloropropene	ND		5.5	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
1,2,3-Trichlorobenzene	ND		5.5	0.93	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
1,2,4-Trichlorobenzene	ND		5.5	0.98	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
1,1,1-Trichloroethane	ND		5.5	0.54	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
1,1,2-Trichloroethane	ND		5.5	0.92	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Trichloroethene	ND		5.5	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Trichlorofluoromethane	ND		5.5	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1
Vinyl chloride	ND		5.5	0.52	ug/Kg	☼	08/16/14 12:34	08/16/14 20:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/16/14 12:34*	*08/16/14 20:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*63 - 120*	*08/16/14 12:34*	*08/16/14 20:33*	*1*
Dibromofluoromethane (Surr)	*113*		*68 - 121*	*08/16/14 12:34*	*08/16/14 20:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*52 - 124*	*08/16/14 12:34*	*08/16/14 20:33*	*1*
Toluene-d8 (Surr)	*107*		*72 - 127*	*08/16/14 12:34*	*08/16/14 20:33*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	6.7	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Acenaphthylene	ND		70	8.0	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Acetophenone	ND		350	29	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Anthracene	ND		70	6.9	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Atrazine	ND		350	34	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Benzo[a]anthracene	ND		70	8.8	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Benzo[a]pyrene	ND		70	7.0	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Benzo[b]fluoranthene	ND		70	11	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Benzo[g,h,i]perylene	ND		70	7.0	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Benzo[k]fluoranthene	ND		70	14	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
1,1'-Biphenyl	ND		350	31	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Bis(2-chloroethyl)ether	ND		70	9.4	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Bis(2-ethylhexyl) phthalate	ND		700	57	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B74-2-6 (5)
Date Collected: 08/13/14 09:10
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-30
Matrix: Solid
Percent Solids: 95.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		350	30	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Caprolactam	ND		1800	260	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Carbazole	ND		70	6.5	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
4-Chloro-3-methylphenol	ND		350	32	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
2-Chloronaphthalene	ND		70	7.3	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Chrysene	ND		70	8.3	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Dibenz(a,h)anthracene	ND		70	7.8	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Dibenzofuran	ND		350	34	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
2,4-Dichlorophenol	ND		70	7.0	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Diethyl phthalate	ND		350	38	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Dimethyl phthalate	ND		350	38	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
2,4-Dinitrotoluene	ND		350	28	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
2,6-Dinitrotoluene	ND		350	36	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
1,4-Dioxane	ND		700	40	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Fluoranthene	ND		70	7.5	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Fluorene	ND		70	9.2	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Hexachlorobenzene	ND		70	7.5	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Hexachlorobutadiene	ND		70	7.8	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Indeno[1,2,3-cd]pyrene	ND		70	7.2	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Isophorone	ND		350	26	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
2-Methylnaphthalene	ND		70	6.3	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
2-Methylphenol	ND		350	24	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Methylphenol, 3 & 4	ND		350	34	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Naphthalene	ND		70	6.0	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
3-Nitroaniline	ND		1800	140	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Nitrobenzene	ND		700	29	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
N-Nitrosodi-n-propylamine	ND		70	8.2	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
N-Nitrosodiphenylamine	ND		350	32	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
2,2'-oxybis[1-chloropropane]	ND		70	7.6	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Pentachlorophenol	ND		350	31	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Phenanthrene	ND		70	11	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Phenol	ND		70	8.3	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
Pyrene	ND		70	7.1	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B74-2-6 (5)

Date Collected: 08/13/14 09:10
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-30
Matrix: Solid
Percent Solids: 95.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
2,4,5-Trichlorophenol	ND		350	37	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1
2,4,6-Trichlorophenol	ND		350	52	ug/Kg	☼	08/23/14 02:20	08/25/14 09:02	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*720*	*T J*	*ug/Kg*	☼	*12.80*		*08/23/14 02:20*	*08/25/14 09:02*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*12.86*		*08/23/14 02:20*	*08/25/14 09:02*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*15.78*		*08/23/14 02:20*	*08/25/14 09:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*35 - 105*	*08/23/14 02:20*	*08/25/14 09:02*	*1*
2-Fluorophenol (Surr)	*76*		*39 - 103*	*08/23/14 02:20*	*08/25/14 09:02*	*1*
Nitrobenzene-d5 (Surr)	*83*		*25 - 104*	*08/23/14 02:20*	*08/25/14 09:02*	*1*
Phenol-d5 (Surr)	*72*		*25 - 105*	*08/23/14 02:20*	*08/25/14 09:02*	*1*
Terphenyl-d14 (Surr)	*89*		*25 - 127*	*08/23/14 02:20*	*08/25/14 09:02*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*35 - 124*	*08/23/14 02:20*	*08/25/14 09:02*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
alpha-BHC	ND		1.8	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
beta-BHC	ND		1.8	0.45	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
4,4'-DDE	ND		1.8	0.26	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
gamma-Chlordane	ND		1.8	0.34	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
Methoxychlor	**0.78**	**J**	3.4	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1
Toxaphene	ND		70	12	ug/Kg	☼	08/23/14 02:50	08/25/14 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*61*		*45 - 130*	*08/23/14 02:50*	*08/25/14 21:23*	*1*
DCB Decachlorobiphenyl (Surr)	*59*		*45 - 130*	*08/23/14 02:50*	*08/25/14 21:23*	*1*
Tetrachloro-m-xylene	*72*		*45 - 130*	*08/23/14 02:50*	*08/25/14 21:23*	*1*
Tetrachloro-m-xylene	*68*		*45 - 130*	*08/23/14 02:50*	*08/25/14 21:23*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.6	ug/Kg	☼	08/23/14 02:50	08/25/14 22:07	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B74-2-6 (5)

Date Collected: 08/13/14 09:10
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-30

Matrix: Solid
Percent Solids: 95.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		17	3.3	ug/Kg	☼	08/23/14 02:50	08/25/14 22:07	1
PCB-1232	ND		17	3.0	ug/Kg	☼	08/23/14 02:50	08/25/14 22:07	1
PCB-1242	ND		17	2.8	ug/Kg	☼	08/23/14 02:50	08/25/14 22:07	1
PCB-1248	ND		17	1.6	ug/Kg	☼	08/23/14 02:50	08/25/14 22:07	1
PCB-1254	ND		17	2.5	ug/Kg	☼	08/23/14 02:50	08/25/14 22:07	1
PCB-1260	ND		17	2.5	ug/Kg	☼	08/23/14 02:50	08/25/14 22:07	1
PCB-1262	ND		17	3.8	ug/Kg	☼	08/23/14 02:50	08/25/14 22:07	1
PCB-1268	ND		17	2.2	ug/Kg	☼	08/23/14 02:50	08/25/14 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*58*		*45 - 125*	*08/23/14 02:50*	*08/25/14 22:07*	*1*
DCB Decachlorobiphenyl (Surr)	*62*		*45 - 125*	*08/23/14 02:50*	*08/25/14 22:38*	*1*
Tetrachloro-m-xylene (Surr)	*61*		*45 - 135*	*08/23/14 02:50*	*08/25/14 22:07*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*45 - 135*	*08/23/14 02:50*	*08/25/14 22:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7600**		20	2.1	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Antimony	ND		1.0	0.20	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Arsenic	**7.5**		1.0	0.31	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Barium	**56**	**B**	20	0.013	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Beryllium	**0.28**	**J**	0.40	0.011	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Cadmium	**0.036**	**J**	0.50	0.014	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Calcium	**820**	**B**	500	1.5	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Chromium	**8.7**		0.50	0.077	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Cobalt	**7.2**		5.0	0.042	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Copper	**20**		2.5	0.14	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Iron	**19000**	**B**	10	0.89	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Lead	**14**		1.0	0.10	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Magnesium	**2400**	**B**	500	2.1	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Manganese	**510**		1.5	0.089	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Nickel	**16**		4.0	0.048	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Potassium	**520**	**B**	500	6.4	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Selenium	**0.33**	**J**	1.0	0.27	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Silver	ND		0.50	0.040	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Sodium	**43**	**J B**	500	1.1	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Vanadium	**11**		5.0	0.17	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1
Zinc	**50**	**B**	2.0	0.10	mg/Kg	☼	08/20/14 13:59	08/26/14 21:16	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.014**	**J**	0.034	0.011	mg/Kg	☼	08/25/14 10:10	08/25/14 13:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.8**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**95**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	ND		0.53	0.16	mg/Kg	☼	08/20/14 12:00	08/20/14 13:05	1

Client Sample ID: SSHS-B74-6-10 (7.5) **Lab Sample ID: 180-35776-31**

Date Collected: 08/13/14 09:20 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 90.6**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.3	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Benzene	ND		4.3	0.58	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Bromoform	ND		4.3	0.38	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Bromomethane	ND		4.3	0.64	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
2-Butanone (MEK)	ND		4.3	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Carbon disulfide	ND		4.3	0.44	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Carbon tetrachloride	ND		4.3	0.38	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Chlorobenzene	ND		4.3	0.65	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Chlorobromomethane	ND		4.3	0.59	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Chlorodibromomethane	ND		4.3	0.61	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Chloroethane	ND		4.3	1.3	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Chloroform	ND		4.3	0.50	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Chloromethane	ND		4.3	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
cis-1,2-Dichloroethene	ND		4.3	0.61	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
cis-1,3-Dichloropropene	ND		4.3	0.58	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Cyclohexane	ND		4.3	0.32	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
1,2-Dibromo-3-Chloropropane	ND		4.3	0.64	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
1,2-Dibromoethane	ND		4.3	0.74	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
1,2-Dichlorobenzene	ND		4.3	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
1,3-Dichlorobenzene	ND		4.3	0.57	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
1,4-Dichlorobenzene	ND		4.3	0.55	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Dichlorobromomethane	ND		4.3	0.48	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Dichlorodifluoromethane	ND		4.3	0.57	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
1,1-Dichloroethane	ND		4.3	0.50	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
1,2-Dichloroethane	ND		4.3	0.53	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
1,1-Dichloroethene	ND		4.3	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
1,2-Dichloropropane	ND		4.3	0.47	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
1,4-Dioxane	ND		860	240	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Ethylbenzene	ND		4.3	0.55	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
2-Hexanone	ND		4.3	0.59	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Isopropylbenzene	ND		4.3	0.58	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Methyl acetate	ND		4.3	0.78	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Methylcyclohexane	ND		4.3	0.62	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Methylene Chloride	ND		4.3	0.58	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
4-Methyl-2-pentanone (MIBK)	ND		4.3	0.56	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Methyl tert-butyl ether	ND		4.3	0.64	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
m-Xylene & p-Xylene	ND		8.6	1.3	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
o-Xylene	ND		4.3	0.67	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Styrene	ND		4.3	0.61	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.62	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Tetrachloroethene	ND		4.3	0.59	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Toluene	ND		4.3	0.63	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
trans-1,2-Dichloroethene	ND		4.3	0.51	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
trans-1,3-Dichloropropene	ND		4.3	0.51	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
1,2,3-Trichlorobenzene	ND		4.3	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
1,2,4-Trichlorobenzene	ND		4.3	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
1,1,1-Trichloroethane	ND		4.3	0.42	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
1,1,2-Trichloroethane	ND		4.3	0.72	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Trichloroethene	ND		4.3	0.57	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1

Client Sample ID: SSHS-B74-6-10 (7.5) **Lab Sample ID: 180-35776-31**

Date Collected: 08/13/14 09:20 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 90.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.3	0.79	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3	0.92	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1
Vinyl chloride	ND		4.3	0.40	ug/Kg	☼	08/16/14 12:34	08/16/14 21:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/16/14 12:34*	*08/16/14 21:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/16/14 12:34*	*08/16/14 21:18*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/16/14 12:34*	*08/16/14 21:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*52 - 124*	*08/16/14 12:34*	*08/16/14 21:18*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*08/16/14 12:34*	*08/16/14 21:18*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Acenaphthylene	ND		73	8.4	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Acetophenone	ND		360	30	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Anthracene	ND		73	7.2	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Atrazine	ND		360	36	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Benzo[a]anthracene	ND		73	9.2	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Benzo[a]pyrene	ND		73	7.3	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Benzo[b]fluoranthene	ND		73	12	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Benzo[g,h,i]perylene	ND		73	7.3	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Benzo[k]fluoranthene	ND		73	15	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Bis(2-chloroethyl)ether	ND		73	9.8	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Bis(2-ethylhexyl) phthalate	**6500**		730	59	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Carbazole	ND		73	6.7	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Chrysene	ND		73	8.7	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Dibenz(a,h)anthracene	ND		73	8.1	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1

Client Sample ID: SSHS-B74-6-10 (7.5)
Lab Sample ID: 180-35776-31
Date Collected: 08/13/14 09:20
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Di-n-octyl phthalate	**390**		360	39	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Fluoranthene	ND		73	7.8	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Fluorene	ND		73	9.6	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Hexachlorobenzene	ND		73	7.8	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Hexachlorobutadiene	ND		73	8.2	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Indeno[1,2,3-cd]pyrene	ND		73	7.5	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Isophorone	ND		360	28	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
2-Methylnaphthalene	ND		73	6.6	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Naphthalene	ND		73	6.3	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
N-Nitrosodi-n-propylamine	ND		73	8.6	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
2,2'-oxybis[1-chloropropane]	ND		73	7.9	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Phenanthrene	ND		73	12	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Phenol	ND		73	8.6	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
Pyrene	ND		73	7.4	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
2,3,4,6-Tetrachlorophenol	ND		360	24	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/23/14 02:20	08/25/14 09:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*220*	*T J*	*ug/Kg*	☼	*12.80*		*08/23/14 02:20*	*08/25/14 09:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*35 - 105*	*08/23/14 02:20*	*08/25/14 09:31*	*1*
2-Fluorophenol (Surr)	*77*		*39 - 103*	*08/23/14 02:20*	*08/25/14 09:31*	*1*
Nitrobenzene-d5 (Surr)	*85*		*25 - 104*	*08/23/14 02:20*	*08/25/14 09:31*	*1*
Phenol-d5 (Surr)	*73*		*25 - 105*	*08/23/14 02:20*	*08/25/14 09:31*	*1*
Terphenyl-d14 (Surr)	*87*		*25 - 127*	*08/23/14 02:20*	*08/25/14 09:31*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*35 - 124*	*08/23/14 02:20*	*08/25/14 09:31*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B74-6-10 (7.5)
Date Collected: 08/13/14 09:20
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-31
Matrix: Solid
Percent Solids: 90.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1
Toxaphene	ND		74	12	ug/Kg	☼	08/23/14 02:50	08/25/14 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*	*08/23/14 02:50*	*08/25/14 21:39*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 130*	*08/23/14 02:50*	*08/25/14 21:39*	*1*
Tetrachloro-m-xylene	*88*		*45 - 130*	*08/23/14 02:50*	*08/25/14 21:39*	*1*
Tetrachloro-m-xylene	*85*		*45 - 130*	*08/23/14 02:50*	*08/25/14 21:39*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/23/14 02:50	08/25/14 22:38	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/23/14 02:50	08/25/14 22:38	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/23/14 02:50	08/25/14 22:38	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/23/14 02:50	08/25/14 22:38	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/23/14 02:50	08/25/14 22:38	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/23/14 02:50	08/25/14 22:38	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/23/14 02:50	08/25/14 22:38	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/23/14 02:50	08/25/14 22:38	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/23/14 02:50	08/25/14 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 125*	*08/23/14 02:50*	*08/25/14 22:38*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/23/14 02:50*	*08/25/14 23:10*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*	*08/23/14 02:50*	*08/25/14 22:38*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*	*08/23/14 02:50*	*08/25/14 23:10*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6800**		22	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Arsenic	**7.4**		1.1	0.34	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Barium	**53**	**B**	22	0.014	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Beryllium	**0.28**	**J**	0.45	0.012	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1

Client Sample Results

Client Sample ID: SSHS-B74-6-10 (7.5)

Lab Sample ID: 180-35776-31

Date Collected: 08/13/14 09:20
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.039**	**J**	0.56	0.016	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Calcium	**800**	**B**	560	1.7	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Chromium	**9.6**		0.56	0.086	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Cobalt	**6.4**		5.6	0.047	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Copper	**20**		2.8	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Iron	**17000**	**B**	11	0.99	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Lead	**22**		1.1	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Magnesium	**2000**	**B**	560	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Manganese	**640**		1.7	0.099	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Nickel	**14**		4.5	0.053	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Potassium	**560**	**B**	560	7.1	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Selenium	**0.38**	**J**	1.1	0.30	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Silver	ND		0.56	0.045	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Sodium	**48**	**J B**	560	1.2	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Thallium	**0.31**	**J**	2.2	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Vanadium	**10**		5.6	0.19	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1
Zinc	**48**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 21:21	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**	**J**	0.035	0.012	mg/Kg	☼	08/25/14 10:10	08/25/14 13:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.4**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**91**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	**0.23**	**J**	0.55	0.16	mg/Kg	☼	08/20/14 12:00	08/20/14 13:05	1

Client Sample ID: SSHS-B74-10-15 (12.5)

Lab Sample ID: 180-35776-32

Date Collected: 08/13/14 09:29
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	5.5	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Benzene	ND		5.5	0.75	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Bromoform	ND		5.5	0.49	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Bromomethane	ND		5.5	0.82	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
2-Butanone (MEK)	ND		5.5	0.98	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Carbon disulfide	ND		5.5	0.57	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Carbon tetrachloride	ND		5.5	0.49	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Chlorobenzene	ND		5.5	0.84	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Chlorobromomethane	ND		5.5	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Chlorodibromomethane	ND		5.5	0.79	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Chloroethane	ND		5.5	1.7	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Chloroform	ND		5.5	0.65	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Chloromethane	ND		5.5	0.94	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
cis-1,2-Dichloroethene	ND		5.5	0.78	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
cis-1,3-Dichloropropene	ND		5.5	0.75	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Cyclohexane	ND		5.5	0.41	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1

Client Sample ID: SSHS-B74-10-15 (12.5) **Lab Sample ID: 180-35776-32**
Date Collected: 08/13/14 09:29 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 90.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.5	0.83	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
1,2-Dibromoethane	ND		5.5	0.95	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
1,2-Dichlorobenzene	ND		5.5	0.88	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
1,3-Dichlorobenzene	ND		5.5	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
1,4-Dichlorobenzene	ND		5.5	0.70	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Dichlorobromomethane	ND		5.5	0.62	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Dichlorodifluoromethane	ND		5.5	0.74	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
1,1-Dichloroethane	ND		5.5	0.64	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
1,2-Dichloroethane	ND		5.5	0.68	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
1,1-Dichloroethene	ND		5.5	0.94	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
1,2-Dichloropropane	ND		5.5	0.60	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
1,4-Dioxane	ND		1100	310	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Ethylbenzene	ND		5.5	0.71	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
2-Hexanone	ND		5.5	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Isopropylbenzene	ND		5.5	0.75	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Methyl acetate	ND		5.5	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Methylcyclohexane	ND		5.5	0.80	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Methylene Chloride	ND		5.5	0.74	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	0.72	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Methyl tert-butyl ether	ND		5.5	0.83	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
o-Xylene	ND		5.5	0.86	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Styrene	ND		5.5	0.78	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
1,1,2,2-Tetrachloroethane	ND		5.5	0.79	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Tetrachloroethene	ND		5.5	0.75	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Toluene	ND		5.5	0.81	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
trans-1,2-Dichloroethene	ND		5.5	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
trans-1,3-Dichloropropene	ND		5.5	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
1,2,3-Trichlorobenzene	ND		5.5	0.93	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
1,2,4-Trichlorobenzene	ND		5.5	0.98	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
1,1,1-Trichloroethane	ND		5.5	0.54	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
1,1,2-Trichloroethane	ND		5.5	0.92	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Trichloroethene	ND		5.5	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Trichlorofluoromethane	ND		5.5	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1
Vinyl chloride	ND		5.5	0.52	ug/Kg	☼	08/16/14 12:34	08/16/14 21:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/16/14 12:34*	*08/16/14 21:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*63 - 120*	*08/16/14 12:34*	*08/16/14 21:41*	*1*
Dibromofluoromethane (Surr)	*114*		*68 - 121*	*08/16/14 12:34*	*08/16/14 21:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*52 - 124*	*08/16/14 12:34*	*08/16/14 21:41*	*1*
Toluene-d8 (Surr)	*110*		*72 - 127*	*08/16/14 12:34*	*08/16/14 21:41*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	7.1	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Acenaphthylene	ND		74	8.5	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1

Client Sample Results

Client Sample ID: SSHS-B74-10-15 (12.5) **Lab Sample ID: 180-35776-32**
Date Collected: 08/13/14 09:29 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 90.0**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		370	30	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Anthracene	ND		74	7.3	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Atrazine	ND		370	36	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Benzo[a]anthracene	ND		74	9.3	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Benzo[a]pyrene	ND		74	7.4	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Benzo[b]fluoranthene	ND		74	12	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Benzo[g,h,i]perylene	ND		74	7.4	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Benzo[k]fluoranthene	ND		74	15	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Bis(2-chloroethoxy)methane	ND		370	24	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Bis(2-ethylhexyl) phthalate	**1600**		740	60	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Carbazole	ND		74	6.8	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
2-Chlorophenol	ND		370	30	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Chrysene	ND		74	8.8	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Dibenz(a,h)anthracene	ND		74	8.2	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Dibenzofuran	ND		370	36	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Diethyl phthalate	ND		370	40	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Dimethyl phthalate	ND		370	40	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Di-n-butyl phthalate	ND		370	46	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
1,4-Dioxane	ND		740	43	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Fluoranthene	ND		74	7.9	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Fluorene	ND		74	9.8	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Hexachlorobenzene	ND		74	7.9	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Hexachlorobutadiene	ND		74	8.3	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Indeno[1,2,3-cd]pyrene	ND		74	7.6	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Isophorone	ND		370	28	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
2-Methylnaphthalene	ND		74	6.7	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Methylphenol, 3 & 4	ND		370	36	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Naphthalene	ND		74	6.4	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1

Client Sample ID: SSHS-B74-10-15 (12.5) **Lab Sample ID: 180-35776-32**
Date Collected: 08/13/14 09:29 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 90.0**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
N-Nitrosodi-n-propylamine	ND		74	8.7	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
N-Nitrosodiphenylamine	ND		370	34	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
2,2'-oxybis[1-chloropropane]	ND		74	8.0	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Phenanthrene	ND		74	12	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Phenol	ND		74	8.8	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
Pyrene	ND		74	7.5	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1
2,4,6-Trichlorophenol	ND		370	55	ug/Kg	☼	08/23/14 02:20	08/26/14 08:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*380*	*T J*	*ug/Kg*	☼	*15.23*		*08/23/14 02:20*	*08/26/14 08:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*08/23/14 02:20*	*08/26/14 08:05*	*1*
2-Fluorophenol (Surr)	*66*		*39 - 103*	*08/23/14 02:20*	*08/26/14 08:05*	*1*
Nitrobenzene-d5 (Surr)	*69*		*25 - 104*	*08/23/14 02:20*	*08/26/14 08:05*	*1*
Phenol-d5 (Surr)	*67*		*25 - 105*	*08/23/14 02:20*	*08/26/14 08:05*	*1*
Terphenyl-d14 (Surr)	*69*		*25 - 127*	*08/23/14 02:20*	*08/26/14 08:05*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*35 - 124*	*08/23/14 02:20*	*08/26/14 08:05*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1

Client Sample ID: SSHS-B74-10-15 (12.5)

Lab Sample ID: 180-35776-32

Date Collected: 08/13/14 09:29
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.0

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1
Toxaphene	ND		74	12	ug/Kg	☼	08/23/14 02:50	08/25/14 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 130*	*08/23/14 02:50*	*08/25/14 21:54*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 130*	*08/23/14 02:50*	*08/25/14 21:54*	*1*
Tetrachloro-m-xylene	*80*		*45 - 130*	*08/23/14 02:50*	*08/25/14 21:54*	*1*
Tetrachloro-m-xylene	*78*		*45 - 130*	*08/23/14 02:50*	*08/25/14 21:54*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/23/14 02:50	08/25/14 23:10	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/23/14 02:50	08/25/14 23:10	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/23/14 02:50	08/25/14 23:10	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/23/14 02:50	08/25/14 23:10	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/23/14 02:50	08/25/14 23:10	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/23/14 02:50	08/25/14 23:10	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/23/14 02:50	08/25/14 23:10	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/23/14 02:50	08/25/14 23:10	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/23/14 02:50	08/25/14 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*45 - 125*	*08/23/14 02:50*	*08/25/14 23:10*	*1*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 125*	*08/23/14 02:50*	*08/25/14 23:41*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*45 - 135*	*08/23/14 02:50*	*08/25/14 23:10*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*45 - 135*	*08/23/14 02:50*	*08/25/14 23:41*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6400**		22	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Arsenic	**7.0**		1.1	0.34	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Barium	**45**	**B**	22	0.014	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Beryllium	**0.27**	**J**	0.44	0.012	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Cadmium	**0.047**	**J**	0.56	0.016	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Calcium	**1700**	**B**	560	1.7	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Chromium	**14**		0.56	0.086	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Cobalt	**6.0**		5.6	0.046	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Copper	**19**		2.8	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Iron	**17000**	**B**	11	0.99	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Lead	**9.3**		1.1	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Magnesium	**2400**	**B**	560	2.3	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Manganese	**500**		1.7	0.099	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Nickel	**14**		4.4	0.053	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Potassium	**570**	**B**	560	7.1	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Selenium	ND		1.1	0.30	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Silver	ND		0.56	0.045	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Sodium	**62**	**J B**	560	1.2	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1
Vanadium	**9.9**		5.6	0.19	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1

Client Sample ID: SSHS-B74-10-15 (12.5)

Lab Sample ID: 180-35776-32

Date Collected: 08/13/14 09:29
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	**48**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 21:26	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.017**	**J**	0.035	0.012	mg/Kg	☼	08/25/14 10:10	08/25/14 13:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**90**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/20/14 14:00	08/20/14 15:20	1

Client Sample ID: SSHS-B90-0.17-2 (1)

Lab Sample ID: 180-35776-33

Date Collected: 08/13/14 11:36
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		12	3.1	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Benzene	ND		3.1	0.42	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Bromoform	ND		3.1	0.27	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Bromomethane	ND		3.1	0.46	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
2-Butanone (MEK)	ND		3.1	0.55	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Carbon disulfide	ND		3.1	0.32	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Carbon tetrachloride	ND		3.1	0.28	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Chlorobenzene	ND		3.1	0.47	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Chlorobromomethane	ND		3.1	0.43	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Chlorodibromomethane	ND		3.1	0.44	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Chloroethane	ND		3.1	0.96	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Chloroform	ND		3.1	0.36	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Chloromethane	ND		3.1	0.53	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
cis-1,2-Dichloroethene	ND		3.1	0.44	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
cis-1,3-Dichloropropene	ND		3.1	0.42	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Cyclohexane	ND		3.1	0.23	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
1,2-Dibromo-3-Chloropropane	ND		3.1	0.46	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
1,2-Dibromoethane	ND		3.1	0.53	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
1,2-Dichlorobenzene	ND		3.1	0.49	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
1,3-Dichlorobenzene	ND		3.1	0.41	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
1,4-Dichlorobenzene	ND		3.1	0.39	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Dichlorobromomethane	ND		3.1	0.35	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Dichlorodifluoromethane	ND		3.1	0.41	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
1,1-Dichloroethane	ND		3.1	0.36	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
1,2-Dichloroethane	ND		3.1	0.38	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
1,1-Dichloroethene	ND		3.1	0.52	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
1,2-Dichloropropane	ND		3.1	0.34	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
1,4-Dioxane	ND		620	170	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Ethylbenzene	ND		3.1	0.40	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
2-Hexanone	ND		3.1	0.43	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Isopropylbenzene	ND		3.1	0.42	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Methyl acetate	ND		3.1	0.56	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1

Client Sample ID: SSHS-B90-0.17-2 (1)

Date Collected: 08/13/14 11:36
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-33

Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		3.1	0.45	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Methylene Chloride	ND		3.1	0.42	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
4-Methyl-2-pentanone (MIBK)	ND		3.1	0.40	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Methyl tert-butyl ether	ND		3.1	0.46	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
m-Xylene & p-Xylene	ND		6.2	0.91	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
o-Xylene	ND		3.1	0.48	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Styrene	ND		3.1	0.44	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
1,1,2,2-Tetrachloroethane	ND		3.1	0.44	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Tetrachloroethene	ND		3.1	0.42	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Toluene	ND		3.1	0.45	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
trans-1,2-Dichloroethene	ND		3.1	0.37	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
trans-1,3-Dichloropropene	ND		3.1	0.37	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
1,2,3-Trichlorobenzene	ND		3.1	0.52	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
1,2,4-Trichlorobenzene	ND		3.1	0.55	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
1,1,1-Trichloroethane	ND		3.1	0.30	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
1,1,2-Trichloroethane	ND		3.1	0.51	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Trichloroethene	**0.75**	**J**	3.1	0.41	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Trichlorofluoromethane	ND		3.1	0.57	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1
Vinyl chloride	ND		3.1	0.29	ug/Kg	☼	08/16/14 12:34	08/16/14 22:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/16/14 12:34*	*08/16/14 22:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*63 - 120*	*08/16/14 12:34*	*08/16/14 22:03*	*1*
Dibromofluoromethane (Surr)	*110*		*68 - 121*	*08/16/14 12:34*	*08/16/14 22:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*52 - 124*	*08/16/14 12:34*	*08/16/14 22:03*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/16/14 12:34*	*08/16/14 22:03*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		370	35	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Acenaphthylene	ND		370	42	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Acetophenone	ND		1800	150	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Anthracene	ND		370	36	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Atrazine	ND		1800	180	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Benzaldehyde	ND		1800	280	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Benzo[a]anthracene	**120**	**J**	370	46	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Benzo[a]pyrene	**110**	**J**	370	37	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Benzo[b]fluoranthene	**130**	**J**	370	58	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Benzo[g,h,i]perylene	ND		370	37	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Benzo[k]fluoranthene	**79**	**J**	370	74	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
1,1'-Biphenyl	ND		1800	160	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Bis(2-chloroethoxy)methane	ND		1800	120	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Bis(2-chloroethyl)ether	ND		370	49	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Bis(2-ethylhexyl) phthalate	ND		3700	300	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
4-Bromophenyl phenyl ether	ND		1800	160	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Butyl benzyl phthalate	ND		1800	250	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Caprolactam	ND		9400	1400	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B90-0.17-2 (1)
Lab Sample ID: 180-35776-33

Date Collected: 08/13/14 11:36
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		370	34	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
4-Chloroaniline	ND		1800	150	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
4-Chloro-3-methylphenol	ND		1800	170	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
2-Chloronaphthalene	ND		370	38	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
2-Chlorophenol	ND		1800	150	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
4-Chlorophenyl phenyl ether	ND		1800	200	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Chrysene	**120**	**J**	370	44	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Dibenz(a,h)anthracene	ND		370	41	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Dibenzofuran	ND		1800	180	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
3,3'-Dichlorobenzidine	ND		1800	190	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
2,4-Dichlorophenol	ND		370	37	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Diethyl phthalate	ND		1800	200	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
2,4-Dimethylphenol	ND		1800	290	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Dimethyl phthalate	ND		1800	200	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Di-n-butyl phthalate	ND		1800	230	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
4,6-Dinitro-2-methylphenol	ND		9400	740	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
2,4-Dinitrophenol	ND		9400	2200	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
2,4-Dinitrotoluene	ND		1800	150	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
2,6-Dinitrotoluene	ND		1800	190	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Di-n-octyl phthalate	ND		1800	190	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
1,4-Dioxane	ND		3700	210	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Fluoranthene	**190**	**J**	370	39	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Fluorene	ND		370	48	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Hexachlorobenzene	ND		370	39	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Hexachlorobutadiene	ND		370	41	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Hexachlorocyclopentadiene	ND		1800	200	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Hexachloroethane	ND		1800	130	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Indeno[1,2,3-cd]pyrene	ND		370	38	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Isophorone	ND		1800	140	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
2-Methylnaphthalene	ND		370	33	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
2-Methylphenol	ND		1800	130	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Methylphenol, 3 & 4	ND		1800	180	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Naphthalene	ND		370	32	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
2-Nitroaniline	ND		9400	820	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
3-Nitroaniline	ND		9400	760	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
4-Nitroaniline	ND		9400	740	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Nitrobenzene	ND		3700	150	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
2-Nitrophenol	ND		1800	200	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
4-Nitrophenol	ND		9400	670	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
N-Nitrosodi-n-propylamine	ND		370	43	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
N-Nitrosodiphenylamine	ND		1800	170	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
2,2'-oxybis[1-chloropropane]	ND		370	40	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Pentachlorophenol	ND		1800	160	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Phenanthrene	**89**	**J**	370	59	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Phenol	ND		370	43	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
Pyrene	**210**	**J**	370	37	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
1,2,4,5-Tetrachlorobenzene	ND		1800	140	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
2,3,4,6-Tetrachlorophenol	ND		1800	120	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5
2,4,5-Trichlorophenol	ND		1800	200	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5

Client Sample ID: SSHS-B90-0.17-2 (1)
Date Collected: 08/13/14 11:36
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-33
Matrix: Solid
Percent Solids: 90.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		1800	280	ug/Kg	☼	08/23/14 02:20	08/26/14 08:31	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1600*	*T J*	*ug/Kg*	☼	*5.15*		*08/23/14 02:20*	*08/26/14 08:31*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*35 - 105*	*08/23/14 02:20*	*08/26/14 08:31*	*5*
2-Fluorophenol (Surr)	*67*		*39 - 103*	*08/23/14 02:20*	*08/26/14 08:31*	*5*
Nitrobenzene-d5 (Surr)	*66*		*25 - 104*	*08/23/14 02:20*	*08/26/14 08:31*	*5*
Phenol-d5 (Surr)	*68*		*25 - 105*	*08/23/14 02:20*	*08/26/14 08:31*	*5*
Terphenyl-d14 (Surr)	*69*		*25 - 127*	*08/23/14 02:20*	*08/26/14 08:31*	*5*
2,4,6-Tribromophenol (Surr)	*46*		*35 - 124*	*08/23/14 02:20*	*08/26/14 08:31*	*5*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
4,4'-DDD	**0.66**	**J p**	1.9	0.24	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
4,4'-DDT	**0.35**	**J p**	1.9	0.27	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
delta-BHC	**0.34**	**J p**	1.9	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
Endrin	**1.9**		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
gamma-Chlordane	**1.0**	**J p**	1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
Heptachlor epoxide	**0.39**	**J p**	1.9	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1
Toxaphene	ND		74	12	ug/Kg	☼	08/23/14 02:50	08/25/14 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/23/14 02:50*	*08/25/14 22:10*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*08/23/14 02:50*	*08/25/14 22:10*	*1*
Tetrachloro-m-xylene	*88*		*45 - 130*	*08/23/14 02:50*	*08/25/14 22:10*	*1*
Tetrachloro-m-xylene	*84*		*45 - 130*	*08/23/14 02:50*	*08/25/14 22:10*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/23/14 02:50	08/26/14 01:16	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/23/14 02:50	08/26/14 01:16	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/23/14 02:50	08/26/14 01:16	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/23/14 02:50	08/26/14 01:16	1
PCB-1248	**67**		18	1.7	ug/Kg	☼	08/23/14 02:50	08/26/14 01:47	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/23/14 02:50	08/26/14 01:16	1

Client Sample ID: SSHS-B90-0.17-2 (1)

Lab Sample ID: 180-35776-33

Date Collected: 08/13/14 11:36

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 90.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	**59**	**p**	18	2.6	ug/Kg	☼	08/23/14 02:50	08/26/14 01:47	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/23/14 02:50	08/26/14 01:16	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/23/14 02:50	08/26/14 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 125*	*08/23/14 02:50*	*08/26/14 01:16*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 125*	*08/23/14 02:50*	*08/26/14 01:47*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*45 - 135*	*08/23/14 02:50*	*08/26/14 01:16*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*45 - 135*	*08/23/14 02:50*	*08/26/14 01:47*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5900**		20	2.1	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Antimony	ND		1.0	0.20	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Arsenic	**6.7**		1.0	0.31	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Barium	**56**	**B**	20	0.013	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Beryllium	**0.27**	**J**	0.41	0.011	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Cadmium	**0.092**	**J**	0.51	0.015	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Calcium	**38000**	**B**	510	1.5	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Chromium	**8.3**		0.51	0.079	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Cobalt	**5.2**		5.1	0.043	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Copper	**47**		2.6	0.15	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Iron	**15000**	**B**	10	0.91	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Lead	**36**		1.0	0.10	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Magnesium	**11000**	**B**	510	2.1	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Manganese	**360**		1.5	0.091	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Nickel	**24**		4.1	0.049	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Potassium	**480**	**J B**	510	6.5	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Selenium	**0.44**	**J**	1.0	0.27	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Silver	ND		0.51	0.041	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Sodium	**320**	**J B**	510	1.1	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Vanadium	**11**		5.1	0.18	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1
Zinc	**62**	**B**	2.0	0.11	mg/Kg	☼	08/20/14 13:59	08/26/14 21:31	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.036**		0.035	0.012	mg/Kg	☼	08/25/14 10:10	08/25/14 13:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.3**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**91**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	ND		0.57	0.17	mg/Kg	☼	08/20/14 14:00	08/20/14 15:20	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B90-2-6 (4)
Date Collected: 08/13/14 11:40
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-34
Matrix: Solid
Percent Solids: 83.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Benzene	ND		5.0	0.68	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Bromoform	ND		5.0	0.44	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Bromomethane	ND		5.0	0.74	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Carbon disulfide	ND		5.0	0.51	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Chlorobenzene	ND		5.0	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Chloroethane	ND		5.0	1.6	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Chloroform	ND		5.0	0.59	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Chloromethane	ND		5.0	0.85	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
cis-1,2-Dichloroethene	ND		5.0	0.71	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Cyclohexane	ND		5.0	0.37	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
1,2-Dibromoethane	ND		5.0	0.87	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
1,2-Dichloroethane	ND		5.0	0.62	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
1,4-Dioxane	ND		1000	280	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Ethylbenzene	ND		5.0	0.64	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
2-Hexanone	ND		5.0	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Methyl acetate	ND		5.0	0.90	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Methylene Chloride	ND		5.0	0.67	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
o-Xylene	ND		5.0	0.78	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Styrene	ND		5.0	0.71	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Toluene	ND		5.0	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
1,2,3-Trichlorobenzene	ND		5.0	0.85	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Trichloroethene	**1.5**	**J**	5.0	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B90-2-6 (4)

Date Collected: 08/13/14 11:40
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-34
Matrix: Solid
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1
Vinyl chloride	ND		5.0	0.47	ug/Kg	☼	08/16/14 12:34	08/16/14 22:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/16/14 12:34*	*08/16/14 22:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*	*08/16/14 12:34*	*08/16/14 22:25*	*1*
Dibromofluoromethane (Surr)	*113*		*68 - 121*	*08/16/14 12:34*	*08/16/14 22:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*52 - 124*	*08/16/14 12:34*	*08/16/14 22:25*	*1*
Toluene-d8 (Surr)	*113*		*72 - 127*	*08/16/14 12:34*	*08/16/14 22:25*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	7.7	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Acenaphthylene	**29**	**J**	80	9.2	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Acetophenone	ND		400	33	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Anthracene	**42**	**J**	80	7.8	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Atrazine	ND		400	39	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Benzaldehyde	ND		400	60	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Benzo[a]anthracene	**180**		80	10	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Benzo[a]pyrene	**140**		80	8.0	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Benzo[b]fluoranthene	**190**		80	13	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Benzo[g,h,i]perylene	**170**		80	8.0	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Benzo[k]fluoranthene	**86**		80	16	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
1,1'-Biphenyl	ND		400	36	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Bis(2-chloroethoxy)methane	ND		400	26	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Bis(2-chloroethyl)ether	ND		80	11	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Bis(2-ethylhexyl) phthalate	**1400**		800	65	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
4-Bromophenyl phenyl ether	ND		400	35	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Butyl benzyl phthalate	**110000**	**E**	400	55	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Caprolactam	ND		2000	300	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Carbazole	ND		80	7.4	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
4-Chloroaniline	ND		400	32	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
4-Chloro-3-methylphenol	ND		400	37	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
2-Chloronaphthalene	ND		80	8.4	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
2-Chlorophenol	ND		400	33	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
4-Chlorophenyl phenyl ether	ND		400	44	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Chrysene	**170**		80	9.5	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Dibenz(a,h)anthracene	ND		80	8.9	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Dibenzofuran	ND		400	39	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
3,3'-Dichlorobenzidine	ND		400	42	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
2,4-Dichlorophenol	ND		80	8.0	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Diethyl phthalate	ND		400	44	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
2,4-Dimethylphenol	ND		400	63	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Dimethyl phthalate	ND		400	44	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Di-n-butyl phthalate	**780**		400	50	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
2,4-Dinitrophenol	ND		2000	480	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1

Client Sample ID: SSHS-B90-2-6 (4) **Lab Sample ID: 180-35776-34**

Date Collected: 08/13/14 11:40 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 83.3**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		400	32	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
2,6-Dinitrotoluene	ND		400	41	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Di-n-octyl phthalate	ND		400	42	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
1,4-Dioxane	ND		800	46	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Fluoranthene	**220**		80	8.6	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Fluorene	ND		80	11	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Hexachlorobenzene	ND		80	8.5	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Hexachlorobutadiene	ND		80	9.0	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Hexachlorocyclopentadiene	ND		400	43	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Hexachloroethane	ND		400	29	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Indeno[1,2,3-cd]pyrene	**140**		80	8.2	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Isophorone	ND		400	30	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
2-Methylnaphthalene	**58**	**J**	80	7.2	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
2-Methylphenol	ND		400	28	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Methylphenol, 3 & 4	ND		400	39	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Naphthalene	**160**		80	6.9	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Nitrobenzene	ND		800	33	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
2-Nitrophenol	ND		400	44	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
4-Nitrophenol	ND		2000	150	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
N-Nitrosodi-n-propylamine	ND		80	9.4	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
N-Nitrosodiphenylamine	ND		400	37	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
2,2'-oxybis[1-chloropropane]	ND		80	8.6	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Pentachlorophenol	ND		400	36	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Phenanthrene	**150**		80	13	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Phenol	ND		80	9.5	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
Pyrene	**320**		80	8.1	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
1,2,4,5-Tetrachlorobenzene	ND		400	30	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
2,3,4,6-Tetrachlorophenol	ND		400	26	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
2,4,5-Trichlorophenol	ND		400	43	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1
2,4,6-Trichlorophenol	ND		400	60	ug/Kg	☼	08/23/14 02:20	08/25/14 10:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*180*	*T J*	*ug/Kg*	☼	*11.11*		*08/23/14 02:20*	*08/25/14 10:56*	*1*
Unknown	*740*	*T J*	*ug/Kg*	☼	*12.74*		*08/23/14 02:20*	*08/25/14 10:56*	*1*
Unknown	*3100*	*T J*	*ug/Kg*	☼	*15.53*		*08/23/14 02:20*	*08/25/14 10:56*	*1*
Unknown	*500*	*T J*	*ug/Kg*	☼	*19.50*		*08/23/14 02:20*	*08/25/14 10:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*35 - 105*	*08/23/14 02:20*	*08/25/14 10:56*	*1*
2-Fluorophenol (Surr)	*84*		*39 - 103*	*08/23/14 02:20*	*08/25/14 10:56*	*1*
Nitrobenzene-d5 (Surr)	*90*		*25 - 104*	*08/23/14 02:20*	*08/25/14 10:56*	*1*
Phenol-d5 (Surr)	*79*		*25 - 105*	*08/23/14 02:20*	*08/25/14 10:56*	*1*
Terphenyl-d14 (Surr)	*98*		*25 - 127*	*08/23/14 02:20*	*08/25/14 10:56*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*35 - 124*	*08/23/14 02:20*	*08/25/14 10:56*	*1*

Client Sample ID: SSHS-B90-2-6 (4)

Lab Sample ID: 180-35776-34

Date Collected: 08/13/14 11:40
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 83.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1600	150	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Acenaphthylene	ND		1600	180	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Acetophenone	ND		7900	660	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Anthracene	ND		1600	160	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Atrazine	ND		7900	780	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Benzaldehyde	ND		7900	1200	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Benzo[a]anthracene	ND		1600	200	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Benzo[a]pyrene	ND		1600	160	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Benzo[b]fluoranthene	ND		1600	250	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Benzo[g,h,i]perylene	ND		1600	160	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Benzo[k]fluoranthene	ND		1600	320	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
1,1'-Biphenyl	ND		7900	710	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Bis(2-chloroethoxy)methane	ND		7900	530	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Bis(2-chloroethyl)ether	ND		1600	210	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Bis(2-ethylhexyl) phthalate	ND		16000	1300	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
4-Bromophenyl phenyl ether	ND		7900	700	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Butyl benzyl phthalate	**50000**		7900	1100	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Caprolactam	ND		41000	6000	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Carbazole	ND		1600	150	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
4-Chloroaniline	ND		7900	640	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
4-Chloro-3-methylphenol	ND		7900	740	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
2-Chloronaphthalene	ND		1600	170	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
2-Chlorophenol	ND		7900	650	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
4-Chlorophenyl phenyl ether	ND		7900	890	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Chrysene	ND		1600	190	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Dibenz(a,h)anthracene	ND		1600	180	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Dibenzofuran	ND		7900	790	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
3,3'-Dichlorobenzidine	ND		7900	850	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
2,4-Dichlorophenol	ND		1600	160	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Diethyl phthalate	ND		7900	870	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
2,4-Dimethylphenol	ND		7900	1300	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Dimethyl phthalate	ND		7900	870	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Di-n-butyl phthalate	ND		7900	1000	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
4,6-Dinitro-2-methylphenol	ND		41000	3200	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
2,4-Dinitrophenol	ND		41000	9500	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
2,4-Dinitrotoluene	ND		7900	650	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
2,6-Dinitrotoluene	ND		7900	830	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Di-n-octyl phthalate	ND		7900	840	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
1,4-Dioxane	ND		16000	920	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Fluoranthene	**250**	**J**	1600	170	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Fluorene	ND		1600	210	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Hexachlorobenzene	ND		1600	170	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Hexachlorobutadiene	ND		1600	180	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Hexachlorocyclopentadiene	ND		7900	860	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Hexachloroethane	ND		7900	580	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Indeno[1,2,3-cd]pyrene	ND		1600	160	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Isophorone	ND		7900	600	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
2-Methylnaphthalene	ND		1600	140	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
2-Methylphenol	ND		7900	560	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20

Client Sample ID: SSHS-B90-2-6 (4)

Date Collected: 08/13/14 11:40
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-34

Matrix: Solid
Percent Solids: 83.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		7900	780	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Naphthalene	ND		1600	140	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
2-Nitroaniline	ND		41000	3600	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
3-Nitroaniline	ND		41000	3300	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
4-Nitroaniline	ND		41000	3200	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Nitrobenzene	ND		16000	670	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
2-Nitrophenol	ND		7900	880	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
4-Nitrophenol	ND		41000	2900	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
N-Nitrosodi-n-propylamine	ND		1600	190	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
N-Nitrosodiphenylamine	ND		7900	740	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
2,2'-oxybis[1-chloropropane]	ND		1600	170	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Pentachlorophenol	ND		7900	720	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Phenanthrene	ND		1600	250	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Phenol	ND		1600	190	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
Pyrene	**210**	**J**	1600	160	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
1,2,4,5-Tetrachlorobenzene	ND		7900	610	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
2,3,4,6-Tetrachlorophenol	ND		7900	510	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
2,4,5-Trichlorophenol	ND		7900	850	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20
2,4,6-Trichlorophenol	ND		7900	1200	ug/Kg	☼	08/23/14 02:20	08/26/14 08:58	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*6400*	*T J*	*ug/Kg*	☼	*5.16*		*08/23/14 02:20*	*08/26/14 08:58*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*	*D*	*35 - 105*	*08/23/14 02:20*	*08/26/14 08:58*	*20*
2-Fluorophenol (Surr)	*78*	*D*	*39 - 103*	*08/23/14 02:20*	*08/26/14 08:58*	*20*
Nitrobenzene-d5 (Surr)	*71*	*D*	*25 - 104*	*08/23/14 02:20*	*08/26/14 08:58*	*20*
Phenol-d5 (Surr)	*73*	*D*	*25 - 105*	*08/23/14 02:20*	*08/26/14 08:58*	*20*
Terphenyl-d14 (Surr)	*65*	*D*	*25 - 127*	*08/23/14 02:20*	*08/26/14 08:58*	*20*
2,4,6-Tribromophenol (Surr)	*47*	*D*	*35 - 124*	*08/23/14 02:20*	*08/26/14 08:58*	*20*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
alpha-BHC	ND		2.0	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
alpha-Chlordane	ND		2.0	0.40	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
beta-BHC	ND		2.0	0.52	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
4,4'-DDD	**0.44**	**J p**	2.0	0.26	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
4,4'-DDE	ND		2.0	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
4,4'-DDT	**0.35**	**J p**	2.0	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
delta-BHC	ND		2.0	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
Dieldrin	ND		2.0	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
Endosulfan I	ND		2.0	0.38	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
Endosulfan II	ND		2.0	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
Endosulfan sulfate	**0.23**	**J p**	2.0	0.21	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
Endrin	**0.81**	**J**	2.0	0.39	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
Endrin aldehyde	ND		2.0	0.39	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
Endrin ketone	ND		2.0	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
gamma-BHC (Lindane)	ND		2.0	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
gamma-Chlordane	**0.60**	**J p**	2.0	0.39	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B90-2-6 (4)
Date Collected: 08/13/14 11:40
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-34
Matrix: Solid
Percent Solids: 83.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		2.0	0.44	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
Heptachlor epoxide	ND		2.0	0.39	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
Methoxychlor	ND		4.0	0.42	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1
Toxaphene	ND		80	13	ug/Kg	☼	08/23/14 02:50	08/25/14 22:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*08/23/14 02:50*	*08/25/14 22:57*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/23/14 02:50*	*08/25/14 22:57*	*1*
Tetrachloro-m-xylene	*82*		*45 - 130*	*08/23/14 02:50*	*08/25/14 22:57*	*1*
Tetrachloro-m-xylene	*77*		*45 - 130*	*08/23/14 02:50*	*08/25/14 22:57*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	3.0	ug/Kg	☼	08/23/14 02:50	08/26/14 01:47	1
PCB-1221	ND		20	3.8	ug/Kg	☼	08/23/14 02:50	08/26/14 01:47	1
PCB-1232	ND		20	3.4	ug/Kg	☼	08/23/14 02:50	08/26/14 01:47	1
PCB-1242	ND		20	3.3	ug/Kg	☼	08/23/14 02:50	08/26/14 01:47	1
PCB-1248	**33**		20	1.9	ug/Kg	☼	08/23/14 02:50	08/26/14 01:47	1
PCB-1254	ND		20	2.8	ug/Kg	☼	08/23/14 02:50	08/26/14 01:47	1
PCB-1260	**12**	**J**	20	2.8	ug/Kg	☼	08/23/14 02:50	08/26/14 01:47	1
PCB-1262	ND		20	4.4	ug/Kg	☼	08/23/14 02:50	08/26/14 01:47	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/23/14 02:50	08/26/14 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 125*	*08/23/14 02:50*	*08/26/14 01:47*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/23/14 02:50*	*08/26/14 02:18*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*45 - 135*	*08/23/14 02:50*	*08/26/14 01:47*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*45 - 135*	*08/23/14 02:50*	*08/26/14 02:18*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8100**		24	2.5	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Antimony	ND		1.2	0.24	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Arsenic	**6.8**		1.2	0.36	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Barium	**84**	**B**	24	0.015	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Beryllium	**0.39**	**J**	0.48	0.013	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Cadmium	**0.11**	**J B**	0.59	0.017	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Calcium	**3900**		590	1.8	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Chromium	**9.9**		0.59	0.092	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Cobalt	**5.8**	**J**	5.9	0.050	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Copper	**39**		3.0	0.17	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Iron	**17000**		12	1.1	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Lead	**42**		1.2	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Magnesium	**2100**		590	2.5	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Manganese	**320**		1.8	0.11	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Nickel	**21**		4.8	0.056	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Potassium	**520**	**J B**	590	7.6	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Selenium	**0.69**	**J**	1.2	0.32	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Silver	ND		0.59	0.048	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Sodium	**180**	**J B**	590	1.3	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1

Client Sample ID: SSHS-B90-2-6 (4)

Lab Sample ID: 180-35776-34

Date Collected: 08/13/14 11:40

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 83.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		2.4	0.17	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Vanadium	**13**	**B**	5.9	0.21	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1
Zinc	**76**	**B**	2.4	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 07:41	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.056**		0.038	0.013	mg/Kg	☼	08/25/14 10:10	08/25/14 13:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**83**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	**0.37**	**J**	0.61	0.18	mg/Kg	☼	08/20/14 14:00	08/20/14 15:27	1

Client Sample ID: SSHS-B90-6-10 (9)

Lab Sample ID: 180-35776-35

Date Collected: 08/13/14 11:51

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 82.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.9	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Benzene	ND		4.9	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Bromoform	ND		4.9	0.43	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Bromomethane	ND		4.9	0.72	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
2-Butanone (MEK)	ND		4.9	0.86	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Carbon disulfide	ND		4.9	0.50	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Carbon tetrachloride	ND		4.9	0.43	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Chlorobenzene	ND		4.9	0.74	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Chlorobromomethane	ND		4.9	0.67	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Chlorodibromomethane	ND		4.9	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Chloroethane	ND		4.9	1.5	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Chloroform	ND		4.9	0.57	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Chloromethane	ND		4.9	0.83	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
cis-1,2-Dichloroethene	ND		4.9	0.68	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
cis-1,3-Dichloropropene	ND		4.9	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Cyclohexane	ND		4.9	0.36	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
1,2-Dibromo-3-Chloropropane	ND		4.9	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
1,2-Dibromoethane	ND		4.9	0.84	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
1,2-Dichlorobenzene	ND		4.9	0.78	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
1,3-Dichlorobenzene	ND		4.9	0.64	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
1,4-Dichlorobenzene	ND		4.9	0.62	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Dichlorobromomethane	ND		4.9	0.55	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Dichlorodifluoromethane	ND		4.9	0.65	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
1,1-Dichloroethane	ND		4.9	0.56	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
1,2-Dichloroethane	ND		4.9	0.60	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
1,1-Dichloroethene	ND		4.9	0.82	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
1,2-Dichloropropane	ND		4.9	0.53	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
1,4-Dioxane	ND		970	270	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Ethylbenzene	ND		4.9	0.62	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
2-Hexanone	ND		4.9	0.67	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1

Client Sample Results

Client Sample ID: SSHS-B90-6-10 (9)
Lab Sample ID: 180-35776-35
Date Collected: 08/13/14 11:51
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		4.9	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Methyl acetate	ND		4.9	0.88	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Methylcyclohexane	ND		4.9	0.70	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Methylene Chloride	ND		4.9	0.65	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	0.63	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Methyl tert-butyl ether	ND		4.9	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
m-Xylene & p-Xylene	ND		9.7	1.4	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
o-Xylene	ND		4.9	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Styrene	ND		4.9	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.70	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Tetrachloroethene	ND		4.9	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Toluene	ND		4.9	0.71	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
trans-1,2-Dichloroethene	ND		4.9	0.58	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
trans-1,3-Dichloropropene	ND		4.9	0.58	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
1,2,3-Trichlorobenzene	ND		4.9	0.82	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
1,2,4-Trichlorobenzene	ND		4.9	0.86	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
1,1,1-Trichloroethane	ND		4.9	0.47	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
1,1,2-Trichloroethane	ND		4.9	0.81	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Trichloroethene	ND		4.9	0.64	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Trichlorofluoromethane	ND		4.9	0.89	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1
Vinyl chloride	ND		4.9	0.46	ug/Kg	☼	08/16/14 12:34	08/16/14 22:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/16/14 12:34*	*08/16/14 22:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*63 - 120*	*08/16/14 12:34*	*08/16/14 22:48*	*1*
Dibromofluoromethane (Surr)	*110*		*68 - 121*	*08/16/14 12:34*	*08/16/14 22:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*52 - 124*	*08/16/14 12:34*	*08/16/14 22:48*	*1*
Toluene-d8 (Surr)	*114*		*72 - 127*	*08/16/14 12:34*	*08/16/14 22:48*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		81	7.8	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Acenaphthylene	ND		81	9.2	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Acetophenone	ND		400	33	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Anthracene	ND		81	7.9	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Atrazine	ND		400	39	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Benzaldehyde	ND		400	60	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Benzo[a]anthracene	ND		81	10	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Benzo[a]pyrene	ND		81	8.1	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Benzo[b]fluoranthene	ND		81	13	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Benzo[g,h,i]perylene	ND		81	8.0	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Benzo[k]fluoranthene	ND		81	16	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
1,1'-Biphenyl	ND		400	36	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Bis(2-chloroethoxy)methane	ND		400	27	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Bis(2-chloroethyl)ether	ND		81	11	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Bis(2-ethylhexyl) phthalate	ND		810	65	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
4-Bromophenyl phenyl ether	ND		400	35	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-B90-6-10 (9)
Date Collected: 08/13/14 11:51
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-35
Matrix: Solid
Percent Solids: 82.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	**73**	**J**	400	55	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Caprolactam	ND		2100	300	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Carbazole	ND		81	7.4	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
4-Chloroaniline	ND		400	32	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
4-Chloro-3-methylphenol	ND		400	37	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
2-Chloronaphthalene	ND		81	8.4	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
2-Chlorophenol	ND		400	33	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
4-Chlorophenyl phenyl ether	ND		400	45	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Chrysene	ND		81	9.6	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Dibenz(a,h)anthracene	ND		81	9.0	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Dibenzofuran	ND		400	40	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
3,3'-Dichlorobenzidine	ND		400	43	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
2,4-Dichlorophenol	ND		81	8.1	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Diethyl phthalate	ND		400	44	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
2,4-Dimethylphenol	ND		400	63	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Dimethyl phthalate	ND		400	44	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Di-n-butyl phthalate	ND		400	51	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
4,6-Dinitro-2-methylphenol	ND		2100	160	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
2,4-Dinitrophenol	ND		2100	480	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
2,4-Dinitrotoluene	ND		400	33	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
2,6-Dinitrotoluene	ND		400	42	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Di-n-octyl phthalate	ND		400	43	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
1,4-Dioxane	ND		810	46	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Fluoranthene	ND		81	8.6	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Fluorene	ND		81	11	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Hexachlorobenzene	ND		81	8.6	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Hexachlorobutadiene	ND		81	9.0	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Hexachlorocyclopentadiene	ND		400	44	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Hexachloroethane	ND		400	29	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Indeno[1,2,3-cd]pyrene	ND		81	8.3	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Isophorone	ND		400	30	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
2-Methylnaphthalene	ND		81	7.3	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
2-Methylphenol	ND		400	28	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Methylphenol, 3 & 4	ND		400	40	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Naphthalene	ND		81	7.0	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
2-Nitroaniline	ND		2100	180	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
3-Nitroaniline	ND		2100	170	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
4-Nitroaniline	ND		2100	160	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Nitrobenzene	ND		810	34	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
2-Nitrophenol	ND		400	44	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
4-Nitrophenol	ND		2100	150	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
N-Nitrosodi-n-propylamine	ND		81	9.5	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
N-Nitrosodiphenylamine	ND		400	37	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
2,2'-oxybis[1-chloropropane]	ND		81	8.7	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Pentachlorophenol	ND		400	36	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Phenanthrene	ND		81	13	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Phenol	ND		81	9.5	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
Pyrene	ND		81	8.2	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
1,2,4,5-Tetrachlorobenzene	ND		400	31	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1

Client Sample ID: SSHS-B90-6-10 (9)
Date Collected: 08/13/14 11:51
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-35
Matrix: Solid
Percent Solids: 82.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	ND		400	26	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
2,4,5-Trichlorophenol	ND		400	43	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1
2,4,6-Trichlorophenol	ND		400	60	ug/Kg	☼	08/23/14 02:20	08/25/14 11:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*560*	*T J*	*ug/Kg*	☼	*1.28*		*08/23/14 02:20*	*08/25/14 11:25*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*12.80*		*08/23/14 02:20*	*08/25/14 11:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*35 - 105*	*08/23/14 02:20*	*08/25/14 11:25*	*1*
2-Fluorophenol (Surr)	*81*		*39 - 103*	*08/23/14 02:20*	*08/25/14 11:25*	*1*
Nitrobenzene-d5 (Surr)	*83*		*25 - 104*	*08/23/14 02:20*	*08/25/14 11:25*	*1*
Phenol-d5 (Surr)	*77*		*25 - 105*	*08/23/14 02:20*	*08/25/14 11:25*	*1*
Terphenyl-d14 (Surr)	*86*		*25 - 127*	*08/23/14 02:20*	*08/25/14 11:25*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*35 - 124*	*08/23/14 02:20*	*08/25/14 11:25*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.1	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
alpha-BHC	ND		2.1	0.33	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
alpha-Chlordane	ND		2.1	0.40	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
beta-BHC	ND		2.1	0.52	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
4,4'-DDD	ND		2.1	0.26	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
4,4'-DDE	ND		2.1	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
4,4'-DDT	ND		2.1	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
delta-BHC	ND		2.1	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
Dieldrin	ND		2.1	0.34	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
Endosulfan I	ND		2.1	0.38	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
Endosulfan II	ND		2.1	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
Endosulfan sulfate	ND		2.1	0.21	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
Endrin	ND		2.1	0.39	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
Endrin aldehyde	ND		2.1	0.39	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
Endrin ketone	ND		2.1	0.31	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
gamma-BHC (Lindane)	ND		2.1	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
gamma-Chlordane	ND		2.1	0.40	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
Heptachlor	ND		2.1	0.45	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
Heptachlor epoxide	ND		2.1	0.39	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
Methoxychlor	ND		4.0	0.42	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1
Toxaphene	ND		81	13	ug/Kg	☼	08/23/14 02:50	08/25/14 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*	*08/23/14 02:50*	*08/25/14 23:12*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 130*	*08/23/14 02:50*	*08/25/14 23:12*	*1*
Tetrachloro-m-xylene	*90*		*45 - 130*	*08/23/14 02:50*	*08/25/14 23:12*	*1*
Tetrachloro-m-xylene	*87*		*45 - 130*	*08/23/14 02:50*	*08/25/14 23:12*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	3.0	ug/Kg	☼	08/23/14 02:50	08/26/14 02:18	1
PCB-1221	ND		20	3.8	ug/Kg	☼	08/23/14 02:50	08/26/14 02:18	1
PCB-1232	ND		20	3.5	ug/Kg	☼	08/23/14 02:50	08/26/14 02:18	1

Client Sample Results

Client Sample ID: SSHS-B90-6-10 (9)
Lab Sample ID: 180-35776-35
Date Collected: 08/13/14 11:51
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 82.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		20	3.3	ug/Kg	☼	08/23/14 02:50	08/26/14 02:18	1
PCB-1248	ND		20	1.9	ug/Kg	☼	08/23/14 02:50	08/26/14 02:18	1
PCB-1254	ND		20	2.9	ug/Kg	☼	08/23/14 02:50	08/26/14 02:18	1
PCB-1260	ND		20	2.9	ug/Kg	☼	08/23/14 02:50	08/26/14 02:18	1
PCB-1262	ND		20	4.4	ug/Kg	☼	08/23/14 02:50	08/26/14 02:18	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/23/14 02:50	08/26/14 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 125*	*08/23/14 02:50*	*08/26/14 02:18*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 125*	*08/23/14 02:50*	*08/26/14 02:50*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*45 - 135*	*08/23/14 02:50*	*08/26/14 02:18*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*45 - 135*	*08/23/14 02:50*	*08/26/14 02:50*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		24	2.5	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Antimony	ND		1.2	0.24	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Arsenic	**6.1**		1.2	0.37	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Barium	**140**	**B**	24	0.015	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Beryllium	**0.49**		0.48	0.013	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Cadmium	**0.084**	**J B**	0.60	0.017	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Calcium	**400**	**J**	600	1.8	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Chromium	**11**		0.60	0.092	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Cobalt	**7.6**		6.0	0.050	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Copper	**11**		3.0	0.17	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Iron	**19000**		12	1.1	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Lead	**9.5**		1.2	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Magnesium	**2300**		600	2.5	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Manganese	**1100**		1.8	0.11	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Nickel	**15**		4.8	0.057	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Potassium	**580**	**J B**	600	7.6	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Selenium	**0.72**	**J**	1.2	0.32	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Silver	**0.061**	**J**	0.60	0.048	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Sodium	**120**	**J B**	600	1.3	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Thallium	**0.34**	**J**	2.4	0.18	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Vanadium	**15**	**B**	6.0	0.21	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1
Zinc	**52**	**B**	2.4	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 07:46	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.040**		0.039	0.013	mg/Kg	☼	08/25/14 10:10	08/25/14 13:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**82**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	ND		0.59	0.17	mg/Kg	☼	08/20/14 14:00	08/20/14 15:27	1

Client Sample Results

Client Sample ID: SSHS-B90-10-15 (13)
Lab Sample ID: 180-35776-36
Date Collected: 08/13/14 11:58
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 92.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.7	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Benzene	ND		4.7	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Bromoform	ND		4.7	0.42	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Bromomethane	ND		4.7	0.70	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
2-Butanone (MEK)	ND		4.7	0.83	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Carbon disulfide	ND		4.7	0.48	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Carbon tetrachloride	ND		4.7	0.42	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Chlorobenzene	ND		4.7	0.72	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Chlorobromomethane	ND		4.7	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Chlorodibromomethane	ND		4.7	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Chloroethane	ND		4.7	1.5	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Chloroform	ND		4.7	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Chloromethane	ND		4.7	0.81	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
cis-1,2-Dichloroethene	ND		4.7	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
cis-1,3-Dichloropropene	ND		4.7	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Cyclohexane	ND		4.7	0.35	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
1,2-Dibromo-3-Chloropropane	ND		4.7	0.71	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
1,2-Dibromoethane	ND		4.7	0.82	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
1,2-Dichlorobenzene	ND		4.7	0.75	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
1,3-Dichlorobenzene	ND		4.7	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
1,4-Dichlorobenzene	ND		4.7	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Dichlorobromomethane	ND		4.7	0.53	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Dichlorodifluoromethane	ND		4.7	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
1,1-Dichloroethane	ND		4.7	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
1,2-Dichloroethane	ND		4.7	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
1,1-Dichloroethene	ND		4.7	0.80	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
1,2-Dichloropropane	ND		4.7	0.51	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
1,4-Dioxane	ND		950	260	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Ethylbenzene	ND		4.7	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
2-Hexanone	ND		4.7	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Isopropylbenzene	ND		4.7	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Methyl acetate	ND		4.7	0.85	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Methylcyclohexane	ND		4.7	0.69	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Methylene Chloride	ND		4.7	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Methyl tert-butyl ether	ND		4.7	0.71	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
m-Xylene & p-Xylene	ND		9.5	1.4	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
o-Xylene	ND		4.7	0.74	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Styrene	ND		4.7	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.68	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Tetrachloroethene	ND		4.7	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Toluene	ND		4.7	0.69	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
trans-1,2-Dichloroethene	ND		4.7	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
trans-1,3-Dichloropropene	ND		4.7	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
1,2,3-Trichlorobenzene	ND		4.7	0.80	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
1,2,4-Trichlorobenzene	ND		4.7	0.83	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
1,1,1-Trichloroethane	ND		4.7	0.46	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
1,1,2-Trichloroethane	ND		4.7	0.79	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Trichloroethene	ND		4.7	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1

Client Sample ID: SSHS-B90-10-15 (13)
Date Collected: 08/13/14 11:58
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-36
Matrix: Solid
Percent Solids: 92.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.7	0.87	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.0	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1
Vinyl chloride	ND		4.7	0.44	ug/Kg	☼	08/18/14 04:22	08/18/14 09:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/18/14 04:22*	*08/18/14 09:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*63 - 120*	*08/18/14 04:22*	*08/18/14 09:47*	*1*
Dibromofluoromethane (Surr)	*105*		*68 - 121*	*08/18/14 04:22*	*08/18/14 09:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*	*08/18/14 04:22*	*08/18/14 09:47*	*1*
Toluene-d8 (Surr)	*101*		*72 - 127*	*08/18/14 04:22*	*08/18/14 09:47*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	6.9	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Acenaphthylene	ND		72	8.2	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Acetophenone	ND		360	30	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Anthracene	ND		72	7.0	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Atrazine	ND		360	35	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Benzaldehyde	ND		360	54	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Benzo[a]anthracene	ND		72	9.0	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Benzo[a]pyrene	ND		72	7.2	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Benzo[b]fluoranthene	ND		72	11	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Benzo[g,h,i]perylene	ND		72	7.2	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Benzo[k]fluoranthene	ND		72	15	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Bis(2-chloroethyl)ether	ND		72	9.7	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
4-Bromophenyl phenyl ether	ND		360	31	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Butyl benzyl phthalate	ND		360	49	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Carbazole	ND		72	6.6	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
2-Chloronaphthalene	ND		72	7.5	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
2-Chlorophenol	ND		360	29	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Chrysene	ND		72	8.6	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Dibenz(a,h)anthracene	ND		72	8.0	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Dibenzofuran	ND		360	35	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Diethyl phthalate	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
2,4-Dimethylphenol	ND		360	56	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Dimethyl phthalate	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Di-n-butyl phthalate	ND		360	45	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1

Client Sample ID: SSHS-B90-10-15 (13)

Lab Sample ID: 180-35776-36

Date Collected: 08/13/14 11:58
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 92.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
2,6-Dinitrotoluene	ND		360	37	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Fluoranthene	**9.3**	**J**	72	7.7	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Fluorene	ND		72	9.5	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Hexachlorobenzene	ND		72	7.7	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Hexachlorobutadiene	ND		72	8.1	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Indeno[1,2,3-cd]pyrene	ND		72	7.4	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Isophorone	ND		360	27	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
2-Methylnaphthalene	ND		72	6.5	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Methylphenol, 3 & 4	ND		360	35	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Naphthalene	ND		72	6.2	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
4-Nitroaniline	ND		1800	150	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
N-Nitrosodiphenylamine	ND		360	33	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
2,2'-oxybis[1-chloropropane]	ND		72	7.8	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Pentachlorophenol	ND		360	32	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Phenanthrene	ND		72	11	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Phenol	ND		72	8.5	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
Pyrene	**11**	**J**	72	7.3	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
1,2,4,5-Tetrachlorobenzene	ND		360	27	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
2,4,5-Trichlorophenol	ND		360	38	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/23/14 02:20	08/26/14 09:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/23/14 02:20*	*08/26/14 09:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*35 - 105*	*08/23/14 02:20*	*08/26/14 09:24*	*1*
2-Fluorophenol (Surr)	*58*		*39 - 103*	*08/23/14 02:20*	*08/26/14 09:24*	*1*
Nitrobenzene-d5 (Surr)	*58*		*25 - 104*	*08/23/14 02:20*	*08/26/14 09:24*	*1*
Phenol-d5 (Surr)	*61*		*25 - 105*	*08/23/14 02:20*	*08/26/14 09:24*	*1*
Terphenyl-d14 (Surr)	*68*		*25 - 127*	*08/23/14 02:20*	*08/26/14 09:24*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*35 - 124*	*08/23/14 02:20*	*08/26/14 09:24*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
alpha-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1

Client Sample ID: SSHS-B90-10-15 (13) **Lab Sample ID: 180-35776-36**

Date Collected: 08/13/14 11:58 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 92.0**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.8	0.47	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
4,4'-DDD	ND		1.8	0.24	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
delta-BHC	ND		1.8	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
gamma-BHC (Lindane)	ND		1.8	0.32	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
gamma-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1
Toxaphene	ND		72	12	ug/Kg	☼	08/23/14 02:50	08/25/14 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 130*	*08/23/14 02:50*	*08/25/14 23:28*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 130*	*08/23/14 02:50*	*08/25/14 23:28*	*1*
Tetrachloro-m-xylene	*70*		*45 - 130*	*08/23/14 02:50*	*08/25/14 23:28*	*1*
Tetrachloro-m-xylene	*64*		*45 - 130*	*08/23/14 02:50*	*08/25/14 23:28*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/23/14 02:50	08/26/14 02:50	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/23/14 02:50	08/26/14 02:50	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/23/14 02:50	08/26/14 02:50	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/23/14 02:50	08/26/14 02:50	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/23/14 02:50	08/26/14 02:50	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/23/14 02:50	08/26/14 02:50	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/23/14 02:50	08/26/14 02:50	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/23/14 02:50	08/26/14 02:50	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/23/14 02:50	08/26/14 02:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 125*	*08/23/14 02:50*	*08/26/14 02:50*	*1*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 125*	*08/23/14 02:50*	*08/26/14 03:21*	*1*
Tetrachloro-m-xylene (Surr)	*62*		*45 - 135*	*08/23/14 02:50*	*08/26/14 02:50*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*45 - 135*	*08/23/14 02:50*	*08/26/14 03:21*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3800**		23	2.4	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Antimony	ND		1.1	0.23	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Arsenic	**3.8**		1.1	0.35	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Barium	**32**	**B**	23	0.014	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Beryllium	**0.18**	**J**	0.45	0.013	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1

Client Sample ID: SSHS-B90-10-15 (13) Lab Sample ID: 180-35776-36

Date Collected: 08/13/14 11:58 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 92.0**

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.078**	**J B**	0.57	0.016	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Calcium	**760**		570	1.7	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Chromium	**5.0**		0.57	0.087	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Cobalt	**3.5**	**J**	5.7	0.047	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Copper	**9.3**		2.8	0.16	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Iron	**9700**		11	1.0	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Lead	**4.2**		1.1	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Magnesium	**1400**		570	2.3	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Manganese	**350**		1.7	0.10	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Nickel	**9.0**		4.5	0.054	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Potassium	**360**	**J B**	570	7.2	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Selenium	ND		1.1	0.30	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Silver	ND		0.57	0.046	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Sodium	**49**	**J B**	570	1.2	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Vanadium	**5.9**	**B**	5.7	0.20	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1
Zinc	**30**	**B**	2.3	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 07:51	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.011**	**J**	0.035	0.011	mg/Kg	☼	08/25/14 10:10	08/25/14 13:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.0**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**92**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/20/14 14:00	08/20/14 15:27	1

Client Sample ID: SSHS-91-SS Lab Sample ID: 180-35776-37

Date Collected: 08/13/14 10:43 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 74.9**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**150**		28	7.0	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Benzene	ND		7.0	0.94	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Bromoform	ND		7.0	0.62	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Bromomethane	ND		7.0	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
2-Butanone (MEK)	ND		7.0	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Carbon disulfide	ND		7.0	0.72	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Carbon tetrachloride	ND		7.0	0.62	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Chlorobenzene	ND		7.0	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Chlorobromomethane	ND		7.0	0.96	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Chlorodibromomethane	ND		7.0	0.99	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Chloroethane	ND		7.0	2.2	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Chloroform	ND		7.0	0.82	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Chloromethane	ND		7.0	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
cis-1,2-Dichloroethene	ND		7.0	0.98	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
cis-1,3-Dichloropropene	ND		7.0	0.95	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Cyclohexane	ND		7.0	0.52	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1

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

Client Sample ID: SSHS-91-SS

Date Collected: 08/13/14 10:43
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-37

Matrix: Solid
Percent Solids: 74.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		7.0	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
1,2-Dibromoethane	ND		7.0	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
1,2-Dichlorobenzene	ND		7.0	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
1,3-Dichlorobenzene	ND		7.0	0.92	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
1,4-Dichlorobenzene	ND		7.0	0.89	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Dichlorobromomethane	ND		7.0	0.79	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Dichlorodifluoromethane	ND		7.0	0.93	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
1,1-Dichloroethane	ND		7.0	0.80	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
1,2-Dichloroethane	ND		7.0	0.86	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
1,1-Dichloroethene	ND		7.0	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
1,2-Dichloropropane	ND		7.0	0.76	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
1,4-Dioxane	ND		1400	390	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Ethylbenzene	ND		7.0	0.90	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
2-Hexanone	ND		7.0	0.97	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Isopropylbenzene	ND		7.0	0.95	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Methyl acetate	**7.3**		7.0	1.3	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Methylcyclohexane	ND		7.0	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Methylene Chloride	ND		7.0	0.94	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
4-Methyl-2-pentanone (MIBK)	ND		7.0	0.91	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Methyl tert-butyl ether	ND		7.0	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
m-Xylene & p-Xylene	ND		14	2.1	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
o-Xylene	ND		7.0	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Styrene	ND		7.0	0.99	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
1,1,2,2-Tetrachloroethane	ND		7.0	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Tetrachloroethene	ND		7.0	0.95	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Toluene	ND		7.0	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
trans-1,2-Dichloroethene	ND		7.0	0.83	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
trans-1,3-Dichloropropene	ND		7.0	0.84	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
1,2,3-Trichlorobenzene	ND		7.0	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
1,2,4-Trichlorobenzene	ND		7.0	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
1,1,1-Trichloroethane	ND		7.0	0.68	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
1,1,2-Trichloroethane	ND		7.0	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Trichloroethene	ND		7.0	0.92	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Trichlorofluoromethane	ND		7.0	1.3	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.0	1.5	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1
Vinyl chloride	ND		7.0	0.66	ug/Kg	☼	08/16/14 12:34	08/16/14 23:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/16/14 12:34*	*08/16/14 23:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*63 - 120*	*08/16/14 12:34*	*08/16/14 23:33*	*1*
Dibromofluoromethane (Surr)	*115*		*68 - 121*	*08/16/14 12:34*	*08/16/14 23:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*52 - 124*	*08/16/14 12:34*	*08/16/14 23:33*	*1*
Toluene-d8 (Surr)	*111*		*72 - 127*	*08/16/14 12:34*	*08/16/14 23:33*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**86**	**J**	180	17	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Acenaphthylene	**100**	**J**	180	20	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-91-SS
Date Collected: 08/13/14 10:43
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-37
Matrix: Solid
Percent Solids: 74.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		880	73	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Anthracene	**580**		180	17	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Atrazine	ND		880	87	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Benzaldehyde	ND		880	130	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Benzo[a]anthracene	**4100**		180	22	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Benzo[a]pyrene	**4300**		180	18	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Benzo[b]fluoranthene	**6300**		180	28	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Benzo[g,h,i]perylene	**4500**		180	18	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Benzo[k]fluoranthene	**2200**		180	36	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
1,1'-Biphenyl	ND		880	79	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Bis(2-chloroethoxy)methane	ND		880	59	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Bis(2-chloroethyl)ether	ND		180	24	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Bis(2-ethylhexyl) phthalate	**880**	**J**	1800	140	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
4-Bromophenyl phenyl ether	ND		880	77	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Butyl benzyl phthalate	ND		880	120	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Caprolactam	ND		4500	670	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Carbazole	**500**		180	16	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
4-Chloroaniline	ND		880	71	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
4-Chloro-3-methylphenol	ND		880	82	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
2-Chloronaphthalene	ND		180	19	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
2-Chlorophenol	ND		880	73	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
4-Chlorophenyl phenyl ether	ND		880	99	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Chrysene	**5000**		180	21	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Dibenz(a,h)anthracene	**880**		180	20	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Dibenzofuran	ND		880	88	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
3,3'-Dichlorobenzidine	ND		880	94	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
2,4-Dichlorophenol	ND		180	18	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Diethyl phthalate	ND		880	97	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
2,4-Dimethylphenol	ND		880	140	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Dimethyl phthalate	ND		880	97	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Di-n-butyl phthalate	ND		880	110	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
4,6-Dinitro-2-methylphenol	ND		4500	360	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
2,4-Dinitrophenol	ND		4500	1100	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
2,4-Dinitrotoluene	ND		880	72	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
2,6-Dinitrotoluene	ND		880	92	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Di-n-octyl phthalate	ND		880	94	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
1,4-Dioxane	ND		1800	100	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Fluoranthene	**9400**		180	19	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Fluorene	**130**	**J**	180	23	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Hexachlorobenzene	ND		180	19	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Hexachlorobutadiene	ND		180	20	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Hexachlorocyclopentadiene	ND		880	96	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Hexachloroethane	ND		880	64	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Indeno[1,2,3-cd]pyrene	**3900**		180	18	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Isophorone	ND		880	67	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
2-Methylnaphthalene	**19**	**J**	180	16	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
2-Methylphenol	ND		880	62	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Methylphenol, 3 & 4	ND		880	87	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Naphthalene	ND		180	15	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2

Client Sample ID: SSHS-91-SS
Date Collected: 08/13/14 10:43
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-37
Matrix: Solid
Percent Solids: 74.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		4500	400	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
3-Nitroaniline	ND		4500	370	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
4-Nitroaniline	ND		4500	360	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Nitrobenzene	ND		1800	74	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
2-Nitrophenol	ND		880	98	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
4-Nitrophenol	ND		4500	320	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
N-Nitrosodi-n-propylamine	ND		180	21	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
N-Nitrosodiphenylamine	ND		880	82	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
2,2'-oxybis[1-chloropropane]	ND		180	19	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Pentachlorophenol	ND		880	80	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Phenanthrene	**2900**		180	28	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Phenol	ND		180	21	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
Pyrene	**7100**		180	18	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
1,2,4,5-Tetrachlorobenzene	ND		880	67	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
2,3,4,6-Tetrachlorophenol	ND		880	57	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
2,4,5-Trichlorophenol	ND		880	95	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2
2,4,6-Trichlorophenol	ND		880	130	ug/Kg	☼	08/25/14 03:00	08/25/14 13:13	2

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*770*	*T J*	*ug/Kg*	☼	*11.22*		*08/25/14 03:00*	*08/25/14 13:13*	*2*
Unknown	*450*	*T J*	*ug/Kg*	☼	*12.69*		*08/25/14 03:00*	*08/25/14 13:13*	*2*
Unknown	*400*	*T J*	*ug/Kg*	☼	*13.72*		*08/25/14 03:00*	*08/25/14 13:13*	*2*
Unknown	*530*	*T J*	*ug/Kg*	☼	*13.83*		*08/25/14 03:00*	*08/25/14 13:13*	*2*
Unknown	*410*	*T J*	*ug/Kg*	☼	*13.88*		*08/25/14 03:00*	*08/25/14 13:13*	*2*
Unknown	*440*	*T J*	*ug/Kg*	☼	*15.19*		*08/25/14 03:00*	*08/25/14 13:13*	*2*
Unknown	*860*	*T J*	*ug/Kg*	☼	*16.06*		*08/25/14 03:00*	*08/25/14 13:13*	*2*
Unknown	*4000*	*T J*	*ug/Kg*	☼	*16.21*		*08/25/14 03:00*	*08/25/14 13:13*	*2*
Unknown Cycloalkane	*5100*	*T J*	*ug/Kg*	☼	*16.65*		*08/25/14 03:00*	*08/25/14 13:13*	*2*
Unknown	*3400*	*T J*	*ug/Kg*	☼	*16.93*		*08/25/14 03:00*	*08/25/14 13:13*	*2*
Unknown	*1400*	*T J*	*ug/Kg*	☼	*17.22*		*08/25/14 03:00*	*08/25/14 13:13*	*2*
Unknown	*2200*	*T J*	*ug/Kg*	☼	*17.70*		*08/25/14 03:00*	*08/25/14 13:13*	*2*
Unknown Straight Chain Alkane	*2500*	*T J*	*ug/Kg*	☼	*18.10*		*08/25/14 03:00*	*08/25/14 13:13*	*2*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*18.16*		*08/25/14 03:00*	*08/25/14 13:13*	*2*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*19.19*		*08/25/14 03:00*	*08/25/14 13:13*	*2*
Unknown	*940*	*T J*	*ug/Kg*	☼	*19.25*		*08/25/14 03:00*	*08/25/14 13:13*	*2*
Unknown	*1700*	*T J*	*ug/Kg*	☼	*19.67*		*08/25/14 03:00*	*08/25/14 13:13*	*2*
Unknown	*970*	*T J*	*ug/Kg*	☼	*19.77*		*08/25/14 03:00*	*08/25/14 13:13*	*2*
Unknown	*3600*	*T J*	*ug/Kg*	☼	*20.30*		*08/25/14 03:00*	*08/25/14 13:13*	*2*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*08/25/14 03:00*	*08/25/14 13:13*	*2*
2-Fluorophenol (Surr)	*66*		*39 - 103*	*08/25/14 03:00*	*08/25/14 13:13*	*2*
Nitrobenzene-d5 (Surr)	*70*		*25 - 104*	*08/25/14 03:00*	*08/25/14 13:13*	*2*
Phenol-d5 (Surr)	*65*		*25 - 105*	*08/25/14 03:00*	*08/25/14 13:13*	*2*
Terphenyl-d14 (Surr)	*69*		*25 - 127*	*08/25/14 03:00*	*08/25/14 13:13*	*2*
2,4,6-Tribromophenol (Surr)	*79*		*35 - 124*	*08/25/14 03:00*	*08/25/14 13:13*	*2*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.3	0.40	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-91-SS

Date Collected: 08/13/14 10:43
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-37
Matrix: Solid
Percent Solids: 74.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		2.3	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
alpha-Chlordane	ND		2.3	0.44	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
beta-BHC	ND		2.3	0.57	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
4,4'-DDD	**0.87**	**J**	2.3	0.29	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
4,4'-DDE	ND		2.3	0.33	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
4,4'-DDT	ND		2.3	0.33	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
delta-BHC	**0.35**	**J p**	2.3	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
Dieldrin	**0.57**	**J p**	2.3	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
Endosulfan I	ND		2.3	0.42	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
Endosulfan II	ND		2.3	0.39	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
Endosulfan sulfate	ND		2.3	0.23	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
Endrin	**0.97**	**J p**	2.3	0.43	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
Endrin aldehyde	ND		2.3	0.43	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
Endrin ketone	**0.76**	**J p**	2.3	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
gamma-BHC (Lindane)	ND		2.3	0.39	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
gamma-Chlordane	**0.86**	**J p**	2.3	0.44	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
Heptachlor	ND		2.3	0.49	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
Heptachlor epoxide	ND		2.3	0.43	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
Methoxychlor	ND		4.4	0.46	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1
Toxaphene	ND		89	15	ug/Kg	☼	08/22/14 16:50	08/26/14 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 130*	*08/22/14 16:50*	*08/26/14 00:30*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*08/22/14 16:50*	*08/26/14 00:30*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*08/22/14 16:50*	*08/26/14 00:30*	*1*
Tetrachloro-m-xylene	*92*		*45 - 130*	*08/22/14 16:50*	*08/26/14 00:30*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		22	3.3	ug/Kg	☼	08/22/14 16:50	08/26/14 04:55	1
PCB-1221	ND		22	4.2	ug/Kg	☼	08/22/14 16:50	08/26/14 04:55	1
PCB-1232	ND		22	3.8	ug/Kg	☼	08/22/14 16:50	08/26/14 04:55	1
PCB-1242	ND		22	3.6	ug/Kg	☼	08/22/14 16:50	08/26/14 04:55	1
PCB-1248	ND		22	2.1	ug/Kg	☼	08/22/14 16:50	08/26/14 04:55	1
PCB-1254	ND		22	3.1	ug/Kg	☼	08/22/14 16:50	08/26/14 04:55	1
PCB-1260	ND		22	3.1	ug/Kg	☼	08/22/14 16:50	08/26/14 04:55	1
PCB-1262	ND		22	4.8	ug/Kg	☼	08/22/14 16:50	08/26/14 04:55	1
PCB-1268	ND		22	2.8	ug/Kg	☼	08/22/14 16:50	08/26/14 04:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 125*	*08/22/14 16:50*	*08/26/14 04:55*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/22/14 16:50*	*08/26/14 05:27*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*	*08/22/14 16:50*	*08/26/14 04:55*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*45 - 135*	*08/22/14 16:50*	*08/26/14 05:27*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7100**		26	2.7	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Antimony	ND		1.3	0.26	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Arsenic	**8.4**		1.3	0.40	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1

Client Sample ID: SSHS-91-SS

Lab Sample ID: 180-35776-37
Date Collected: 08/13/14 10:43
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 74.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**72**	**B**	26	0.017	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Beryllium	**0.38**	**J**	0.52	0.015	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Cadmium	**0.25**	**J B**	0.65	0.019	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Calcium	**7700**		650	2.0	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Chromium	**20**		0.65	0.10	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Cobalt	**6.6**		6.5	0.055	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Copper	**24**		3.3	0.19	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Iron	**17000**		13	1.2	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Lead	**73**		1.3	0.13	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Magnesium	**2900**		650	2.7	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Manganese	**440**		2.0	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Nickel	**16**		5.2	0.062	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Potassium	**850**	**B**	650	8.4	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Selenium	**0.61**	**J**	1.3	0.35	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Silver	ND		0.65	0.053	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Sodium	**97**	**J B**	650	1.4	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Thallium	ND		2.6	0.19	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Vanadium	**12**	**B**	6.5	0.23	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1
Zinc	**89**	**B**	2.6	0.13	mg/Kg	☼	08/20/14 14:02	08/27/14 07:56	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.035**	**J**	0.043	0.014	mg/Kg	☼	08/25/14 10:10	08/25/14 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**25**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**75**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	ND		0.67	0.20	mg/Kg	☼	08/20/14 14:00	08/20/14 15:27	1

Client Sample ID: SSHS-91-0.17-2 (1.75)

Lab Sample ID: 180-35776-38
Date Collected: 08/13/14 10:47
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 92.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**10**	**J**	27	6.7	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Benzene	ND		6.7	0.91	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Bromoform	ND		6.7	0.59	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Bromomethane	ND		6.7	0.99	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
2-Butanone (MEK)	ND		6.7	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Carbon disulfide	ND		6.7	0.69	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Carbon tetrachloride	ND		6.7	0.60	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Chlorobenzene	ND		6.7	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Chlorobromomethane	ND		6.7	0.92	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Chlorodibromomethane	ND		6.7	0.95	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Chloroethane	ND		6.7	2.1	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Chloroform	ND		6.7	0.78	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Chloromethane	ND		6.7	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
cis-1,2-Dichloroethene	ND		6.7	0.94	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-91-0.17-2 (1.75)
Lab Sample ID: 180-35776-38
Date Collected: 08/13/14 10:47
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 92.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		6.7	0.91	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Cyclohexane	ND		6.7	0.50	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
1,2-Dibromo-3-Chloropropane	ND		6.7	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
1,2-Dibromoethane	ND		6.7	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
1,2-Dichlorobenzene	ND		6.7	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
1,3-Dichlorobenzene	ND		6.7	0.88	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
1,4-Dichlorobenzene	ND		6.7	0.85	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Dichlorobromomethane	ND		6.7	0.75	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Dichlorodifluoromethane	ND		6.7	0.89	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
1,1-Dichloroethane	ND		6.7	0.77	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
1,2-Dichloroethane	ND		6.7	0.82	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
1,1-Dichloroethene	ND		6.7	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
1,2-Dichloropropane	ND		6.7	0.73	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
1,4-Dioxane	ND		1300	370	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Ethylbenzene	ND		6.7	0.86	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
2-Hexanone	ND		6.7	0.93	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Isopropylbenzene	ND		6.7	0.91	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Methyl acetate	ND		6.7	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Methylcyclohexane	ND		6.7	0.97	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Methylene Chloride	ND		6.7	0.90	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
4-Methyl-2-pentanone (MIBK)	ND		6.7	0.87	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Methyl tert-butyl ether	ND		6.7	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
m-Xylene & p-Xylene	ND		13	2.0	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
o-Xylene	ND		6.7	1.0	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Styrene	ND		6.7	0.95	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
1,1,2,2-Tetrachloroethane	ND		6.7	0.96	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Tetrachloroethene	ND		6.7	0.91	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Toluene	ND		6.7	0.98	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
trans-1,2-Dichloroethene	ND		6.7	0.80	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
trans-1,3-Dichloropropene	ND		6.7	0.80	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
1,2,3-Trichlorobenzene	ND		6.7	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
1,2,4-Trichlorobenzene	ND		6.7	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
1,1,1-Trichloroethane	ND		6.7	0.65	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
1,1,2-Trichloroethane	ND		6.7	1.1	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Trichloroethene	ND		6.7	0.88	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Trichlorofluoromethane	ND		6.7	1.2	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.7	1.4	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1
Vinyl chloride	ND		6.7	0.63	ug/Kg	☼	08/16/14 12:34	08/16/14 23:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/16/14 12:34*	*08/16/14 23:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*	*08/16/14 12:34*	*08/16/14 23:55*	*1*
Dibromofluoromethane (Surr)	*117*		*68 - 121*	*08/16/14 12:34*	*08/16/14 23:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*52 - 124*	*08/16/14 12:34*	*08/16/14 23:55*	*1*
Toluene-d8 (Surr)	*116*		*72 - 127*	*08/16/14 12:34*	*08/16/14 23:55*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-91-0.17-2 (1.75)
Lab Sample ID: 180-35776-38

Date Collected: 08/13/14 10:47
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 92.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**11**	**J**	72	6.9	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Acenaphthylene	**31**	**J**	72	8.2	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Acetophenone	ND		350	29	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Anthracene	**44**	**J**	72	7.0	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Atrazine	ND		350	35	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Benzaldehyde	ND		350	54	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Benzo[a]anthracene	**130**		72	9.0	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Benzo[a]pyrene	**130**		72	7.2	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Benzo[b]fluoranthene	**180**		72	11	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Benzo[g,h,i]perylene	**120**		72	7.1	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Benzo[k]fluoranthene	**54**	**J**	72	14	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Bis(2-chloroethoxy)methane	ND		350	24	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Bis(2-chloroethyl)ether	ND		72	9.6	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Butyl benzyl phthalate	ND		350	49	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Carbazole	**18**	**J**	72	6.6	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
4-Chloroaniline	ND		350	29	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
2-Chloronaphthalene	ND		72	7.5	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
4-Chlorophenyl phenyl ether	ND		350	40	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Chrysene	**150**		72	8.5	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Dibenz(a,h)anthracene	**41**	**J**	72	8.0	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
3,3'-Dichlorobenzidine	ND		350	38	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
2,4-Dimethylphenol	ND		350	56	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Di-n-butyl phthalate	ND		350	45	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Di-n-octyl phthalate	ND		350	38	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Fluoranthene	**260**		72	7.7	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Fluorene	ND		72	9.4	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Hexachlorobenzene	ND		72	7.6	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Hexachlorocyclopentadiene	ND		350	39	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Hexachloroethane	ND		350	26	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Indeno[1,2,3-cd]pyrene	**100**		72	7.4	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Isophorone	ND		350	27	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
2-Methylnaphthalene	**22**	**J**	72	6.4	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1

Client Sample ID: SSHS-91-0.17-2 (1.75)
Lab Sample ID: 180-35776-38
Date Collected: 08/13/14 10:47
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 92.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Naphthalene	**66**	**J**	72	6.2	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
4-Nitroaniline	ND		1800	150	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
2,2'-oxybis[1-chloropropane]	ND		72	7.7	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Phenanthrene	**150**		72	11	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Phenol	ND		72	8.5	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
Pyrene	**210**		72	7.2	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1
2,4,6-Trichlorophenol	ND		350	54	ug/Kg	☼	08/25/14 03:00	08/25/14 13:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*160*	*T J*	*ug/Kg*	☼	*11.23*		*08/25/14 03:00*	*08/25/14 13:41*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*13.09*		*08/25/14 03:00*	*08/25/14 13:41*	*1*
Unknown	*140*	*T J*	*ug/Kg*	☼	*16.05*		*08/25/14 03:00*	*08/25/14 13:41*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*16.93*		*08/25/14 03:00*	*08/25/14 13:41*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*18.10*		*08/25/14 03:00*	*08/25/14 13:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*08/25/14 03:00*	*08/25/14 13:41*	*1*
2-Fluorophenol (Surr)	*69*		*39 - 103*	*08/25/14 03:00*	*08/25/14 13:41*	*1*
Nitrobenzene-d5 (Surr)	*71*		*25 - 104*	*08/25/14 03:00*	*08/25/14 13:41*	*1*
Phenol-d5 (Surr)	*68*		*25 - 105*	*08/25/14 03:00*	*08/25/14 13:41*	*1*
Terphenyl-d14 (Surr)	*66*		*25 - 127*	*08/25/14 03:00*	*08/25/14 13:41*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*35 - 124*	*08/25/14 03:00*	*08/25/14 13:41*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
alpha-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
beta-BHC	ND		1.8	0.47	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
4,4'-DDD	ND		1.8	0.24	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
delta-BHC	ND		1.8	0.28	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1

Client Sample ID: SSHS-91-0.17-2 (1.75)

Lab Sample ID: 180-35776-38

Date Collected: 08/13/14 10:47
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 92.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
gamma-BHC (Lindane)	ND		1.8	0.32	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
gamma-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1
Toxaphene	ND		72	12	ug/Kg	☼	08/22/14 16:50	08/26/14 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*	*08/22/14 16:50*	*08/26/14 00:45*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*08/22/14 16:50*	*08/26/14 00:45*	*1*
Tetrachloro-m-xylene	*99*		*45 - 130*	*08/22/14 16:50*	*08/26/14 00:45*	*1*
Tetrachloro-m-xylene	*96*		*45 - 130*	*08/22/14 16:50*	*08/26/14 00:45*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/22/14 16:50	08/26/14 05:27	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/22/14 16:50	08/26/14 05:27	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/22/14 16:50	08/26/14 05:27	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/22/14 16:50	08/26/14 05:27	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/22/14 16:50	08/26/14 05:27	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/22/14 16:50	08/26/14 05:27	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/22/14 16:50	08/26/14 05:27	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/22/14 16:50	08/26/14 05:27	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/22/14 16:50	08/26/14 05:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/22/14 16:50*	*08/26/14 05:27*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/22/14 16:50*	*08/26/14 05:58*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*	*08/22/14 16:50*	*08/26/14 05:27*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*45 - 135*	*08/22/14 16:50*	*08/26/14 05:58*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6900**		19	2.0	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Antimony	ND		0.96	0.19	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Arsenic	**4.9**		0.96	0.30	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Barium	**45**	**B**	19	0.012	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Beryllium	**0.27**	**J**	0.39	0.011	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Cadmium	**0.064**	**J B**	0.48	0.014	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Calcium	**24000**		480	1.4	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Chromium	**8.4**		0.48	0.074	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Cobalt	**4.9**		4.8	0.040	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Copper	**20**		2.4	0.14	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Iron	**15000**		9.6	0.86	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Lead	**16**		0.96	0.099	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Magnesium	**3200**		480	2.0	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Manganese	**290**		1.4	0.086	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Nickel	**13**		3.9	0.046	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1

Client Sample ID: SSHS-91-0.17-2 (1.75)

Lab Sample ID: 180-35776-38

Date Collected: 08/13/14 10:47
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 92.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**390**	**J B**	480	6.2	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Selenium	**0.31**	**J**	0.96	0.26	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Silver	ND		0.48	0.039	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Sodium	**91**	**J B**	480	1.0	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Thallium	ND		1.9	0.14	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Vanadium	**10**	**B**	4.8	0.17	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1
Zinc	**42**	**B**	1.9	0.099	mg/Kg	☼	08/20/14 14:02	08/27/14 08:01	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.037**		0.035	0.011	mg/Kg	☼	08/25/14 10:10	08/25/14 13:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.5**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**93**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/20/14 14:00	08/20/14 15:27	1

Client Sample ID: SSHS-91-2-6 (5)

Lab Sample ID: 180-35776-39

Date Collected: 08/13/14 10:53
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 92.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**6.2**	**J**	21	5.3	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Benzene	ND		5.3	0.72	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Bromoform	ND		5.3	0.47	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Bromomethane	ND		5.3	0.79	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
2-Butanone (MEK)	ND		5.3	0.94	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Carbon disulfide	ND		5.3	0.54	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Carbon tetrachloride	ND		5.3	0.47	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Chlorobenzene	ND		5.3	0.81	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Chlorobromomethane	ND		5.3	0.73	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Chlorodibromomethane	ND		5.3	0.75	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Chloroethane	ND		5.3	1.6	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Chloroform	ND		5.3	0.62	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Chloromethane	ND		5.3	0.91	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
cis-1,2-Dichloroethene	ND		5.3	0.75	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
cis-1,3-Dichloropropene	ND		5.3	0.72	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Cyclohexane	ND		5.3	0.39	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
1,2-Dibromo-3-Chloropropane	ND		5.3	0.80	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
1,2-Dibromoethane	ND		5.3	0.92	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
1,2-Dichlorobenzene	ND		5.3	0.85	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
1,3-Dichlorobenzene	ND		5.3	0.70	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
1,4-Dichlorobenzene	ND		5.3	0.68	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Dichlorobromomethane	ND		5.3	0.60	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Dichlorodifluoromethane	ND		5.3	0.71	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
1,1-Dichloroethane	ND		5.3	0.61	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
1,2-Dichloroethane	ND		5.3	0.65	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
1,1-Dichloroethene	ND		5.3	0.90	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1

Client Sample ID: SSHS-91-2-6 (5)
Lab Sample ID: 180-35776-39
Date Collected: 08/13/14 10:53
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 92.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		5.3	0.58	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
1,4-Dioxane	ND		1100	290	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Ethylbenzene	ND		5.3	0.68	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
2-Hexanone	ND		5.3	0.73	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Isopropylbenzene	ND		5.3	0.72	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Methyl acetate	ND		5.3	0.96	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Methylcyclohexane	ND		5.3	0.77	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Methylene Chloride	ND		5.3	0.71	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	0.69	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Methyl tert-butyl ether	ND		5.3	0.79	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
o-Xylene	ND		5.3	0.83	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Styrene	ND		5.3	0.75	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.76	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Tetrachloroethene	ND		5.3	0.72	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Toluene	ND		5.3	0.78	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
trans-1,2-Dichloroethene	ND		5.3	0.63	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
trans-1,3-Dichloropropene	ND		5.3	0.64	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
1,2,3-Trichlorobenzene	ND		5.3	0.90	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
1,2,4-Trichlorobenzene	ND		5.3	0.94	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
1,1,1-Trichloroethane	ND		5.3	0.52	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
1,1,2-Trichloroethane	ND		5.3	0.88	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Trichloroethene	ND		5.3	0.70	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Trichlorofluoromethane	ND		5.3	0.98	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.1	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1
Vinyl chloride	ND		5.3	0.50	ug/Kg	☼	08/16/14 12:34	08/17/14 00:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl Alcohol	*10*	*T J N*	*ug/Kg*	☼	*4.17*	*67-63-0*	*08/16/14 12:34*	*08/17/14 00:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*63 - 120*	*08/16/14 12:34*	*08/17/14 00:18*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/16/14 12:34*	*08/17/14 00:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*52 - 124*	*08/16/14 12:34*	*08/17/14 00:18*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*08/16/14 12:34*	*08/17/14 00:18*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	6.9	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Acenaphthylene	ND		72	8.2	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Acetophenone	ND		350	29	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Anthracene	ND		72	7.0	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Atrazine	ND		350	35	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Benzaldehyde	ND		350	54	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Benzo[a]anthracene	ND		72	9.0	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Benzo[a]pyrene	ND		72	7.2	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Benzo[b]fluoranthene	ND		72	11	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Benzo[g,h,i]perylene	ND		72	7.1	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Benzo[k]fluoranthene	ND		72	15	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-91-2-6 (5) **Lab Sample ID: 180-35776-39**
Date Collected: 08/13/14 10:53 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 92.4**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		350	24	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Bis(2-chloroethyl)ether	ND		72	9.6	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Butyl benzyl phthalate	ND		350	49	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Carbazole	ND		72	6.6	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
4-Chloroaniline	ND		350	29	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
2-Chloronaphthalene	ND		72	7.5	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
4-Chlorophenyl phenyl ether	ND		350	40	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Chrysene	ND		72	8.5	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Dibenz(a,h)anthracene	ND		72	8.0	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
3,3'-Dichlorobenzidine	ND		350	38	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
2,4-Dimethylphenol	ND		350	56	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Di-n-butyl phthalate	ND		350	45	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Di-n-octyl phthalate	ND		350	38	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Fluoranthene	ND		72	7.7	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Fluorene	ND		72	9.5	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Hexachlorobenzene	ND		72	7.6	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Hexachlorocyclopentadiene	ND		350	39	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Hexachloroethane	ND		350	26	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Indeno[1,2,3-cd]pyrene	ND		72	7.4	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Isophorone	ND		350	27	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
2-Methylnaphthalene	ND		72	6.5	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Naphthalene	ND		72	6.2	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
4-Nitroaniline	ND		1800	150	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
2-Nitrophenol	ND		350	40	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
2,2'-oxybis[1-chloropropane]	ND		72	7.7	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1

Client Sample ID: SSHS-91-2-6 (5) **Lab Sample ID: 180-35776-39**
Date Collected: 08/13/14 10:53 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 92.4**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		72	11	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Phenol	ND		72	8.5	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
Pyrene	ND		72	7.3	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1
2,4,6-Trichlorophenol	ND		350	54	ug/Kg	☼	08/25/14 03:00	08/25/14 14:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*800*	*T J*	*ug/Kg*	☼	*13.11*		*08/25/14 03:00*	*08/25/14 14:08*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*13.16*		*08/25/14 03:00*	*08/25/14 14:08*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*13.25*		*08/25/14 03:00*	*08/25/14 14:08*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*13.87*		*08/25/14 03:00*	*08/25/14 14:08*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*15.20*		*08/25/14 03:00*	*08/25/14 14:08*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*16.22*		*08/25/14 03:00*	*08/25/14 14:08*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*16.63*		*08/25/14 03:00*	*08/25/14 14:08*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*16.67*		*08/25/14 03:00*	*08/25/14 14:08*	*1*
Unknown	*310*	*T J*	*ug/Kg*	☼	*17.71*		*08/25/14 03:00*	*08/25/14 14:08*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*19.27*		*08/25/14 03:00*	*08/25/14 14:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 105*	*08/25/14 03:00*	*08/25/14 14:08*	*1*
2-Fluorophenol (Surr)	*57*		*39 - 103*	*08/25/14 03:00*	*08/25/14 14:08*	*1*
Nitrobenzene-d5 (Surr)	*66*		*25 - 104*	*08/25/14 03:00*	*08/25/14 14:08*	*1*
Phenol-d5 (Surr)	*60*		*25 - 105*	*08/25/14 03:00*	*08/25/14 14:08*	*1*
Terphenyl-d14 (Surr)	*71*		*25 - 127*	*08/25/14 03:00*	*08/25/14 14:08*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*35 - 124*	*08/25/14 03:00*	*08/25/14 14:08*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1

Client Sample Results

Client Sample ID: SSHS-91-2-6 (5)

Date Collected: 08/13/14 10:53
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-39

Matrix: Solid
Percent Solids: 92.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		72	12	ug/Kg	☼	08/22/14 16:50	08/26/14 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:01*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:01*	*1*
Tetrachloro-m-xylene	*100*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:01*	*1*
Tetrachloro-m-xylene	*96*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:01*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/22/14 16:50	08/26/14 05:58	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/22/14 16:50	08/26/14 05:58	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/22/14 16:50	08/26/14 05:58	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/22/14 16:50	08/26/14 05:58	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/22/14 16:50	08/26/14 05:58	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/22/14 16:50	08/26/14 05:58	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/22/14 16:50	08/26/14 05:58	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/22/14 16:50	08/26/14 05:58	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/22/14 16:50	08/26/14 05:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/22/14 16:50*	*08/26/14 05:58*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/22/14 16:50*	*08/26/14 06:30*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*	*08/22/14 16:50*	*08/26/14 05:58*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*	*08/22/14 16:50*	*08/26/14 06:30*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		22	2.3	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Arsenic	**7.8**		1.1	0.33	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Barium	**99**	**B**	22	0.014	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Beryllium	**0.51**		0.44	0.012	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Cadmium	**0.57**	**B**	0.55	0.016	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Calcium	**1400**		550	1.6	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Chromium	**12**		0.55	0.084	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Cobalt	**8.0**		5.5	0.046	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Copper	**16**		2.7	0.16	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Iron	**20000**		11	0.97	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Lead	**12**		1.1	0.11	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Magnesium	**2600**		550	2.3	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Manganese	**730**		1.6	0.097	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Nickel	**18**		4.4	0.052	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Potassium	**650**	**B**	550	7.0	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Selenium	**1.1**		1.1	0.29	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Silver	ND		0.55	0.044	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Sodium	**140**	**J B**	550	1.2	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Thallium	**0.16**	**J**	2.2	0.16	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Vanadium	**15**	**B**	5.5	0.19	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1
Zinc	**53**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 14:02	08/27/14 08:07	1

Client Sample Results

Client Sample ID: SSHS-91-2-6 (5)

Lab Sample ID: 180-35776-39

Date Collected: 08/13/14 10:53
Date Received: 08/14/14 13:08
Matrix: Solid
Percent Solids: 92.4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**	**J**	0.035	0.011	mg/Kg	☼	08/25/14 10:11	08/25/14 13:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.6**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**92**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	ND		0.53	0.16	mg/Kg	☼	08/20/14 14:00	08/20/14 15:27	1

Client Sample ID: SSHS-91-6-10 (8)

Lab Sample ID: 180-35776-40

Date Collected: 08/13/14 11:00
Date Received: 08/14/14 13:08
Matrix: Solid
Percent Solids: 95.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	5.3	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Benzene	ND		5.3	0.71	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Bromoform	ND		5.3	0.47	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Bromomethane	ND		5.3	0.78	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
2-Butanone (MEK)	ND		5.3	0.93	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Carbon disulfide	ND		5.3	0.54	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Carbon tetrachloride	ND		5.3	0.47	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Chlorobenzene	ND		5.3	0.80	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Chlorobromomethane	ND		5.3	0.73	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Chlorodibromomethane	ND		5.3	0.75	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Chloroethane	ND		5.3	1.6	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Chloroform	ND		5.3	0.62	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Chloromethane	ND		5.3	0.90	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
cis-1,2-Dichloroethene	ND		5.3	0.74	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
cis-1,3-Dichloropropene	ND		5.3	0.72	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Cyclohexane	ND		5.3	0.39	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
1,2-Dibromo-3-Chloropropane	ND		5.3	0.79	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
1,2-Dibromoethane	ND		5.3	0.91	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
1,2-Dichlorobenzene	ND		5.3	0.84	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
1,3-Dichlorobenzene	ND		5.3	0.69	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
1,4-Dichlorobenzene	ND		5.3	0.67	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Dichlorobromomethane	ND		5.3	0.59	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Dichlorodifluoromethane	ND		5.3	0.70	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
1,1-Dichloroethane	ND		5.3	0.61	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
1,2-Dichloroethane	ND		5.3	0.65	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
1,1-Dichloroethene	ND		5.3	0.90	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
1,2-Dichloropropane	ND		5.3	0.57	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
1,4-Dioxane	ND		1100	290	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Ethylbenzene	ND		5.3	0.68	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
2-Hexanone	ND		5.3	0.73	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Isopropylbenzene	ND		5.3	0.72	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Methyl acetate	ND		5.3	0.95	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Methylcyclohexane	ND		5.3	0.77	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Methylene Chloride	ND		5.3	0.71	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	0.69	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Methyl tert-butyl ether	ND		5.3	0.79	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1

Client Sample ID: SSHS-91-6-10 (8)
Lab Sample ID: 180-35776-40
Date Collected: 08/13/14 11:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 95.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
o-Xylene	ND		5.3	0.82	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Styrene	ND		5.3	0.74	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.76	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Tetrachloroethene	ND		5.3	0.72	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Toluene	ND		5.3	0.77	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
trans-1,2-Dichloroethene	ND		5.3	0.63	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
trans-1,3-Dichloropropene	ND		5.3	0.63	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
1,2,3-Trichlorobenzene	ND		5.3	0.89	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
1,2,4-Trichlorobenzene	ND		5.3	0.93	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
1,1,1-Trichloroethane	ND		5.3	0.51	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
1,1,2-Trichloroethane	ND		5.3	0.88	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Trichloroethene	ND		5.3	0.69	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Trichlorofluoromethane	ND		5.3	0.97	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.1	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1
Vinyl chloride	ND		5.3	0.50	ug/Kg	☼	08/16/14 12:34	08/17/14 00:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/16/14 12:34*	*08/17/14 00:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*63 - 120*	*08/16/14 12:34*	*08/17/14 00:40*	*1*
Dibromofluoromethane (Surr)	*113*		*68 - 121*	*08/16/14 12:34*	*08/17/14 00:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*52 - 124*	*08/16/14 12:34*	*08/17/14 00:40*	*1*
Toluene-d8 (Surr)	*108*		*72 - 127*	*08/16/14 12:34*	*08/17/14 00:40*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	6.7	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Acenaphthylene	ND		70	8.0	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Acetophenone	ND		350	29	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Anthracene	ND		70	6.9	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Atrazine	ND		350	34	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Benzo[a]anthracene	ND		70	8.8	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Benzo[a]pyrene	ND		70	7.0	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Benzo[b]fluoranthene	ND		70	11	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Benzo[g,h,i]perylene	ND		70	7.0	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Benzo[k]fluoranthene	ND		70	14	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
1,1'-Biphenyl	ND		350	31	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Bis(2-chloroethyl)ether	ND		70	9.4	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Bis(2-ethylhexyl) phthalate	ND		700	57	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Caprolactam	ND		1800	260	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Carbazole	ND		70	6.5	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
4-Chloro-3-methylphenol	ND		350	32	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
2-Chloronaphthalene	ND		70	7.3	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-91-6-10 (8)
Date Collected: 08/13/14 11:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-40
Matrix: Solid
Percent Solids: 95.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Chrysene	ND		70	8.3	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Dibenz(a,h)anthracene	ND		70	7.8	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Dibenzofuran	ND		350	34	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
2,4-Dichlorophenol	ND		70	7.0	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Diethyl phthalate	ND		350	38	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Dimethyl phthalate	ND		350	38	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
2,4-Dinitrotoluene	ND		350	28	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
2,6-Dinitrotoluene	ND		350	36	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
1,4-Dioxane	ND		700	40	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Fluoranthene	ND		70	7.5	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Fluorene	ND		70	9.2	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Hexachlorobenzene	ND		70	7.5	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Hexachlorobutadiene	ND		70	7.8	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Indeno[1,2,3-cd]pyrene	ND		70	7.2	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Isophorone	ND		350	26	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
2-Methylnaphthalene	ND		70	6.3	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
2-Methylphenol	ND		350	24	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Methylphenol, 3 & 4	ND		350	34	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Naphthalene	ND		70	6.0	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
3-Nitroaniline	ND		1800	140	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Nitrobenzene	ND		700	29	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
N-Nitrosodi-n-propylamine	ND		70	8.2	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
N-Nitrosodiphenylamine	ND		350	32	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
2,2'-oxybis[1-chloropropane]	ND		70	7.6	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Pentachlorophenol	ND		350	31	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Phenanthrene	ND		70	11	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Phenol	ND		70	8.3	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
Pyrene	ND		70	7.1	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
2,4,5-Trichlorophenol	ND		350	37	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1
2,4,6-Trichlorophenol	ND		350	52	ug/Kg	☼	08/25/14 03:00	08/25/14 14:36	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*13.11*		*08/25/14 03:00*	*08/25/14 14:36*	*1*
Unknown	*330*	*T J*	*ug/Kg*	☼	*13.17*		*08/25/14 03:00*	*08/25/14 14:36*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-91-6-10 (8)

Date Collected: 08/13/14 11:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-40
Matrix: Solid
Percent Solids: 95.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*170*	*T J*	*ug/Kg*	☼	*13.81*		*08/25/14 03:00*	*08/25/14 14:36*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 105*	*08/25/14 03:00*	*08/25/14 14:36*	*1*
2-Fluorophenol (Surr)	*65*		*39 - 103*	*08/25/14 03:00*	*08/25/14 14:36*	*1*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/25/14 03:00*	*08/25/14 14:36*	*1*
Phenol-d5 (Surr)	*67*		*25 - 105*	*08/25/14 03:00*	*08/25/14 14:36*	*1*
Terphenyl-d14 (Surr)	*75*		*25 - 127*	*08/25/14 03:00*	*08/25/14 14:36*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*35 - 124*	*08/25/14 03:00*	*08/25/14 14:36*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
alpha-BHC	ND		1.8	0.28	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
alpha-Chlordane	ND		1.8	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
beta-BHC	ND		1.8	0.45	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
4,4'-DDE	ND		1.8	0.26	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
delta-BHC	ND		1.8	0.26	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
Endosulfan I	ND		1.8	0.32	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
gamma-BHC (Lindane)	ND		1.8	0.30	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
gamma-Chlordane	ND		1.8	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
Heptachlor	ND		1.8	0.38	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
Methoxychlor	ND		3.4	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1
Toxaphene	ND		69	12	ug/Kg	☼	08/22/14 16:50	08/26/14 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:16*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:16*	*1*
Tetrachloro-m-xylene	*99*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:16*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:16*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.6	ug/Kg	☼	08/22/14 16:50	08/26/14 06:30	1
PCB-1221	ND		17	3.3	ug/Kg	☼	08/22/14 16:50	08/26/14 06:30	1
PCB-1232	ND		17	3.0	ug/Kg	☼	08/22/14 16:50	08/26/14 06:30	1
PCB-1242	ND		17	2.8	ug/Kg	☼	08/22/14 16:50	08/26/14 06:30	1
PCB-1248	ND		17	1.6	ug/Kg	☼	08/22/14 16:50	08/26/14 06:30	1
PCB-1254	ND		17	2.5	ug/Kg	☼	08/22/14 16:50	08/26/14 06:30	1
PCB-1260	ND		17	2.5	ug/Kg	☼	08/22/14 16:50	08/26/14 06:30	1
PCB-1262	ND		17	3.8	ug/Kg	☼	08/22/14 16:50	08/26/14 06:30	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Client Sample ID: SSHS-91-6-10 (8)
Date Collected: 08/13/14 11:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-40
Matrix: Solid
Percent Solids: 95.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1268	ND		17	2.2	ug/Kg	☼	08/22/14 16:50	08/26/14 06:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/22/14 16:50*	*08/26/14 06:30*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/22/14 16:50*	*08/26/14 07:01*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*	*08/22/14 16:50*	*08/26/14 06:30*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*	*08/22/14 16:50*	*08/26/14 07:01*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7600**		21	2.2	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Antimony	ND		1.1	0.21	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Arsenic	**9.1**		1.1	0.32	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Barium	**42**	**B**	21	0.013	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Beryllium	**0.34**	**J**	0.42	0.012	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Cadmium	**0.046**	**J B**	0.53	0.015	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Calcium	**760**		530	1.6	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Chromium	**9.8**		0.53	0.081	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Cobalt	**6.5**		5.3	0.044	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Copper	**17**		2.6	0.15	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Iron	**17000**		11	0.93	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Lead	**8.2**		1.1	0.11	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Magnesium	**2200**		530	2.2	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Manganese	**410**		1.6	0.093	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Nickel	**16**		4.2	0.050	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Potassium	**660**	**B**	530	6.7	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Selenium	ND		1.1	0.28	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Silver	ND		0.53	0.042	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Sodium	**92**	**J B**	530	1.1	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Vanadium	**11**	**B**	5.3	0.18	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1
Zinc	**48**	**B**	2.1	0.11	mg/Kg	☼	08/20/14 14:02	08/27/14 08:12	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.020**	**J**	0.034	0.011	mg/Kg	☼	08/25/14 10:11	08/25/14 13:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.8**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**95**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	ND		0.51	0.15	mg/Kg	☼	08/20/14 14:00	08/20/14 15:56	1

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

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-114801/1-A
Matrix: Solid
Analysis Batch: 114794

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Benzene	ND		5.0	0.68	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Bromoform	ND		5.0	0.44	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Chloroform	ND		5.0	0.58	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Styrene	ND		5.0	0.71	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Toluene	ND		5.0	0.73	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/15/14 04:00	08/15/14 06:42	1

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

Lab Sample ID: MB 180-114801/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 114794 **Prep Batch: 114801**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.0	0.66	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/15/14 04:00	08/15/14 06:42	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/15/14 04:00	08/15/14 06:42	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/15/14 04:00*	*08/15/14 06:42*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*08/15/14 04:00*	*08/15/14 06:42*	*1*
Dibromofluoromethane (Surr)	*100*		*68 - 121*	*08/15/14 04:00*	*08/15/14 06:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*	*08/15/14 04:00*	*08/15/14 06:42*	*1*
Toluene-d8 (Surr)	*97*		*72 - 127*	*08/15/14 04:00*	*08/15/14 06:42*	*1*

Lab Sample ID: LCS 180-114801/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 114794 **Prep Batch: 114801**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	36.0		ug/Kg		90	20 - 150
Benzene	40.0	38.0		ug/Kg		95	77 - 120
Bromoform	40.0	38.7		ug/Kg		97	53 - 140
Bromomethane	40.0	45.6		ug/Kg		114	25 - 150
2-Butanone (MEK)	40.0	36.2		ug/Kg		91	35 - 149
Carbon disulfide	40.0	42.4		ug/Kg		106	50 - 127
Carbon tetrachloride	40.0	42.7		ug/Kg		107	69 - 122
Chlorobenzene	40.0	37.6		ug/Kg		94	79 - 120
Chlorobromomethane	40.0	39.1		ug/Kg		98	67 - 126
Chlorodibromomethane	40.0	39.9		ug/Kg		100	70 - 132
Chloroethane	40.0	41.8		ug/Kg		104	22 - 150
Chloroform	40.0	40.6		ug/Kg		101	72 - 120
Chloromethane	40.0	40.4		ug/Kg		101	44 - 131
cis-1,2-Dichloroethene	40.0	39.0		ug/Kg		98	80 - 118
cis-1,3-Dichloropropene	40.0	36.4		ug/Kg		91	73 - 120
Cyclohexane	40.0	37.5		ug/Kg		94	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	34.3		ug/Kg		86	35 - 136
1,2-Dibromoethane	40.0	38.1		ug/Kg		95	70 - 131
1,2-Dichlorobenzene	40.0	37.6		ug/Kg		94	71 - 124
1,3-Dichlorobenzene	40.0	36.9		ug/Kg		92	75 - 118
1,4-Dichlorobenzene	40.0	37.2		ug/Kg		93	77 - 116
Dichlorobromomethane	40.0	38.5		ug/Kg		96	70 - 125
Dichlorodifluoromethane	40.0	34.9		ug/Kg		87	25 - 150
1,1-Dichloroethane	40.0	39.2		ug/Kg		98	66 - 124
1,2-Dichloroethane	40.0	39.9		ug/Kg		100	61 - 127
1,1-Dichloroethene	40.0	43.5		ug/Kg		109	59 - 129
1,2-Dichloropropane	40.0	36.0		ug/Kg		90	72 - 122
1,4-Dioxane	800	586	J	ug/Kg		73	10 - 160

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

Lab Sample ID: LCS 180-114801/2-A
Matrix: Solid
Analysis Batch: 114794

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	40.0	37.5		ug/Kg		94	78 - 125
2-Hexanone	40.0	40.8		ug/Kg		102	32 - 150
Isopropylbenzene	40.0	38.0		ug/Kg		95	70 - 133
Methyl acetate	200	177		ug/Kg		88	27 - 142
Methylcyclohexane	40.0	35.6		ug/Kg		89	66 - 135
Methylene Chloride	40.0	37.3		ug/Kg		93	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	39.3		ug/Kg		98	44 - 148
Methyl tert-butyl ether	40.0	42.0		ug/Kg		105	48 - 132
m-Xylene & p-Xylene	40.0	37.2		ug/Kg		93	75 - 126
o-Xylene	40.0	37.6		ug/Kg		94	83 - 127
Styrene	40.0	37.3		ug/Kg		93	83 - 129
1,1,2,2-Tetrachloroethane	40.0	37.4		ug/Kg		93	60 - 139
Tetrachloroethene	40.0	37.2		ug/Kg		93	78 - 129
Toluene	40.0	38.0		ug/Kg		95	78 - 124
trans-1,2-Dichloroethene	40.0	41.6		ug/Kg		104	77 - 121
trans-1,3-Dichloropropene	40.0	39.4		ug/Kg		98	74 - 129
1,2,3-Trichlorobenzene	40.0	27.4		ug/Kg		69	37 - 144
1,2,4-Trichlorobenzene	40.0	31.3		ug/Kg		78	51 - 136
1,1,1-Trichloroethane	40.0	43.4		ug/Kg		108	67 - 126
1,1,2-Trichloroethane	40.0	37.4		ug/Kg		94	70 - 128
Trichloroethene	40.0	36.1		ug/Kg		90	76 - 119
Trichlorofluoromethane	40.0	39.2		ug/Kg		98	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	44.5		ug/Kg		111	55 - 130
Vinyl chloride	40.0	39.3		ug/Kg		98	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*
Dibromofluoromethane (Surr)	*103*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*102*		*52 - 124*
Toluene-d8 (Surr)	*97*		*72 - 127*

Lab Sample ID: 180-35776-3 MS
Matrix: Solid
Analysis Batch: 114794

Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA
Prep Batch: 114801

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		38.8	39.7		ug/Kg	☼	102	20 - 150
Benzene	ND		38.8	40.8		ug/Kg	☼	105	77 - 120
Bromoform	ND		38.8	38.3		ug/Kg	☼	99	53 - 140
Bromomethane	ND		38.8	46.1		ug/Kg	☼	119	25 - 150
2-Butanone (MEK)	ND		38.8	37.8		ug/Kg	☼	97	35 - 149
Carbon disulfide	ND		38.8	44.9		ug/Kg	☼	116	50 - 127
Carbon tetrachloride	ND		38.8	46.4		ug/Kg	☼	120	69 - 122
Chlorobenzene	ND		38.8	39.4		ug/Kg	☼	101	79 - 120
Chlorobromomethane	ND		38.8	41.1		ug/Kg	☼	106	67 - 126
Chlorodibromomethane	ND		38.8	40.8		ug/Kg	☼	105	70 - 132
Chloroethane	ND		38.8	43.4		ug/Kg	☼	112	22 - 150

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

Lab Sample ID: 180-35776-3 MS
Client Sample ID: SSHS-B86-6-10 (8)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 114794
Prep Batch: 114801

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	ND		38.8	43.3		ug/Kg	☼	111	72 - 120
Chloromethane	ND		38.8	42.4		ug/Kg	☼	109	44 - 131
cis-1,2-Dichloroethene	ND		38.8	41.4		ug/Kg	☼	107	80 - 118
cis-1,3-Dichloropropene	ND		38.8	39.5		ug/Kg	☼	102	73 - 120
Cyclohexane	ND		38.8	40.6		ug/Kg	☼	105	64 - 130
1,2-Dibromo-3-Chloropropane	ND		38.8	33.9		ug/Kg	☼	87	35 - 136
1,2-Dibromoethane	ND		38.8	40.1		ug/Kg	☼	103	70 - 131
1,2-Dichlorobenzene	ND		38.8	38.4		ug/Kg	☼	99	71 - 124
1,3-Dichlorobenzene	ND		38.8	39.4		ug/Kg	☼	102	75 - 118
1,4-Dichlorobenzene	ND		38.8	40.0		ug/Kg	☼	103	77 - 116
Dichlorobromomethane	ND		38.8	40.6		ug/Kg	☼	105	70 - 125
Dichlorodifluoromethane	ND		38.8	37.6		ug/Kg	☼	97	25 - 150
1,1-Dichloroethane	ND		38.8	41.6		ug/Kg	☼	107	66 - 124
1,2-Dichloroethane	ND		38.8	42.3		ug/Kg	☼	109	61 - 127
1,1-Dichloroethene	ND		38.8	46.1		ug/Kg	☼	119	59 - 129
1,2-Dichloropropane	ND		38.8	38.4		ug/Kg	☼	99	72 - 122
1,4-Dioxane	ND		776	689	J	ug/Kg	☼	89	10 - 160
Ethylbenzene	ND		38.8	39.5		ug/Kg	☼	102	78 - 125
2-Hexanone	ND		38.8	40.5		ug/Kg	☼	104	32 - 150
Isopropylbenzene	ND		38.8	39.6		ug/Kg	☼	102	70 - 133
Methyl acetate	ND		194	188		ug/Kg	☼	97	27 - 142
Methylcyclohexane	ND		38.8	39.1		ug/Kg	☼	101	66 - 135
Methylene Chloride	ND		38.8	38.8		ug/Kg	☼	100	58 - 127
4-Methyl-2-pentanone (MIBK)	ND		38.8	40.9		ug/Kg	☼	105	44 - 148
Methyl tert-butyl ether	ND		38.8	44.7		ug/Kg	☼	115	48 - 132
m-Xylene & p-Xylene	ND		38.8	39.1		ug/Kg	☼	101	75 - 126
o-Xylene	ND		38.8	39.1		ug/Kg	☼	101	83 - 127
Styrene	ND		38.8	39.2		ug/Kg	☼	101	83 - 129
1,1,2,2-Tetrachloroethane	ND		38.8	36.6		ug/Kg	☼	94	60 - 139
Tetrachloroethene	ND		38.8	40.1		ug/Kg	☼	103	78 - 129
Toluene	ND		38.8	40.6		ug/Kg	☼	105	78 - 124
trans-1,2-Dichloroethene	ND		38.8	43.1		ug/Kg	☼	111	77 - 121
trans-1,3-Dichloropropene	ND		38.8	41.0		ug/Kg	☼	106	74 - 129
1,2,3-Trichlorobenzene	ND		38.8	28.2		ug/Kg	☼	73	37 - 144
1,2,4-Trichlorobenzene	ND		38.8	31.7		ug/Kg	☼	82	51 - 136
1,1,1-Trichloroethane	ND		38.8	45.9		ug/Kg	☼	118	67 - 126
1,1,2-Trichloroethane	ND		38.8	39.5		ug/Kg	☼	102	70 - 128
Trichloroethene	ND		38.8	39.8		ug/Kg	☼	103	76 - 119
Trichlorofluoromethane	ND		38.8	41.2		ug/Kg	☼	106	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		38.8	49.4		ug/Kg	☼	127	55 - 130
Vinyl chloride	ND		38.8	40.3		ug/Kg	☼	104	63 - 124

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*63 - 120*
Dibromofluoromethane (Surr)	*99*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*102*		*52 - 124*
Toluene-d8 (Surr)	*96*		*72 - 127*

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

Lab Sample ID: 180-35776-3 MSD
Matrix: Solid
Analysis Batch: 114794

Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA
Prep Batch: 114801

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		41.0	38.2		ug/Kg	☼	93	20 - 150	4	40
Benzene	ND		41.0	40.3		ug/Kg	☼	98	77 - 120	1	20
Bromoform	ND		41.0	38.9		ug/Kg	☼	95	53 - 140	2	23
Bromomethane	ND		41.0	46.1		ug/Kg	☼	112	25 - 150	0	40
2-Butanone (MEK)	ND		41.0	36.9		ug/Kg	☼	90	35 - 149	3	36
Carbon disulfide	ND		41.0	43.5		ug/Kg	☼	106	50 - 127	3	23
Carbon tetrachloride	ND		41.0	44.9		ug/Kg	☼	110	69 - 122	3	22
Chlorobenzene	ND		41.0	39.6		ug/Kg	☼	97	79 - 120	1	20
Chlorobromomethane	ND		41.0	42.8		ug/Kg	☼	104	67 - 126	4	29
Chlorodibromomethane	ND		41.0	41.7		ug/Kg	☼	102	70 - 132	2	20
Chloroethane	ND		41.0	54.9		ug/Kg	☼	134	22 - 150	23	40
Chloroform	ND		41.0	42.4		ug/Kg	☼	103	72 - 120	2	25
Chloromethane	ND		41.0	40.2		ug/Kg	☼	98	44 - 131	5	27
cis-1,2-Dichloroethene	ND		41.0	40.9		ug/Kg	☼	100	80 - 118	1	20
cis-1,3-Dichloropropene	ND		41.0	39.9		ug/Kg	☼	97	73 - 120	1	20
Cyclohexane	ND		41.0	39.4		ug/Kg	☼	96	64 - 130	3	21
1,2-Dibromo-3-Chloropropane	ND		41.0	35.8		ug/Kg	☼	87	35 - 136	5	40
1,2-Dibromoethane	ND		41.0	42.2		ug/Kg	☼	103	70 - 131	5	20
1,2-Dichlorobenzene	ND		41.0	39.2		ug/Kg	☼	96	71 - 124	2	22
1,3-Dichlorobenzene	ND		41.0	39.7		ug/Kg	☼	97	75 - 118	1	20
1,4-Dichlorobenzene	ND		41.0	39.7		ug/Kg	☼	97	77 - 116	1	20
Dichlorobromomethane	ND		41.0	40.4		ug/Kg	☼	99	70 - 125	0	21
Dichlorodifluoromethane	ND		41.0	35.6		ug/Kg	☼	87	25 - 150	5	34
1,1-Dichloroethane	ND		41.0	41.2		ug/Kg	☼	101	66 - 124	1	23
1,2-Dichloroethane	ND		41.0	43.0		ug/Kg	☼	105	61 - 127	2	23
1,1-Dichloroethene	ND		41.0	45.3		ug/Kg	☼	111	59 - 129	2	25
1,2-Dichloropropane	ND		41.0	38.0		ug/Kg	☼	93	72 - 122	1	20
1,4-Dioxane	ND		820	714	J	ug/Kg	☼	87	10 - 160	4	40
Ethylbenzene	ND		41.0	39.7		ug/Kg	☼	97	78 - 125	0	21
2-Hexanone	ND		41.0	42.8		ug/Kg	☼	104	32 - 150	5	32
Isopropylbenzene	ND		41.0	38.9		ug/Kg	☼	95	70 - 133	2	22
Methyl acetate	ND		205	186		ug/Kg	☼	91	27 - 142	1	40
Methylcyclohexane	ND		41.0	37.8		ug/Kg	☼	92	66 - 135	3	23
Methylene Chloride	ND		41.0	37.1		ug/Kg	☼	91	58 - 127	4	28
4-Methyl-2-pentanone (MIBK)	ND		41.0	41.2		ug/Kg	☼	100	44 - 148	1	30
Methyl tert-butyl ether	ND		41.0	45.8		ug/Kg	☼	112	48 - 132	2	36
m-Xylene & p-Xylene	ND		41.0	38.2		ug/Kg	☼	93	75 - 126	2	21
o-Xylene	ND		41.0	39.8		ug/Kg	☼	97	83 - 127	2	20
Styrene	ND		41.0	39.7		ug/Kg	☼	97	83 - 129	1	20
1,1,2,2-Tetrachloroethane	ND		41.0	38.2		ug/Kg	☼	93	60 - 139	4	24
Tetrachloroethene	ND		41.0	38.5		ug/Kg	☼	94	78 - 129	4	20
Toluene	ND		41.0	40.2		ug/Kg	☼	98	78 - 124	1	21
trans-1,2-Dichloroethene	ND		41.0	43.1		ug/Kg	☼	105	77 - 121	0	20
trans-1,3-Dichloropropene	ND		41.0	42.7		ug/Kg	☼	104	74 - 129	4	20
1,2,3-Trichlorobenzene	ND		41.0	27.1		ug/Kg	☼	66	37 - 144	4	40
1,2,4-Trichlorobenzene	ND		41.0	29.8		ug/Kg	☼	73	51 - 136	6	40
1,1,1-Trichloroethane	ND		41.0	44.7		ug/Kg	☼	109	67 - 126	3	31
1,1,2-Trichloroethane	ND		41.0	41.1		ug/Kg	☼	100	70 - 128	4	22

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

Lab Sample ID: 180-35776-3 MSD
Matrix: Solid
Analysis Batch: 114794

Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA
Prep Batch: 114801

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	ND		41.0	38.6		ug/Kg	☼	94	76 - 119	3	21
Trichlorofluoromethane	ND		41.0	22.7	F2	ug/Kg	☼	55	20 - 150	58	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		41.0	48.5		ug/Kg	☼	118	55 - 130	2	37
Vinyl chloride	ND		41.0	39.9		ug/Kg	☼	97	63 - 124	1	27

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*
Dibromofluoromethane (Surr)	*102*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*102*		*52 - 124*
Toluene-d8 (Surr)	*96*		*72 - 127*

Lab Sample ID: MB 180-114925/1-A
Matrix: Solid
Analysis Batch: 114924

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Benzene	ND		5.0	0.68	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Bromoform	ND		5.0	0.44	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Chloroform	ND		5.0	0.58	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/15/14 22:06	08/15/14 23:25	1

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

Lab Sample ID: MB 180-114925/1-A
Matrix: Solid
Analysis Batch: 114924

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		5.0	0.90	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Styrene	ND		5.0	0.71	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Toluene	ND		5.0	0.73	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Trichloroethene	ND		5.0	0.66	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/15/14 22:06	08/15/14 23:25	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/15/14 22:06	08/15/14 23:25	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/15/14 22:06*	*08/15/14 23:25*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*08/15/14 22:06*	*08/15/14 23:25*	*1*
Dibromofluoromethane (Surr)	*99*		*68 - 121*	*08/15/14 22:06*	*08/15/14 23:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*52 - 124*	*08/15/14 22:06*	*08/15/14 23:25*	*1*
Toluene-d8 (Surr)	*97*		*72 - 127*	*08/15/14 22:06*	*08/15/14 23:25*	*1*

Lab Sample ID: LCS 180-114925/2-A
Matrix: Solid
Analysis Batch: 114924

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114925

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	41.1		ug/Kg		103	20 - 150
Benzene	40.0	41.2		ug/Kg		103	77 - 120
Bromoform	40.0	45.0		ug/Kg		112	53 - 140
Bromomethane	40.0	48.8		ug/Kg		122	25 - 150
2-Butanone (MEK)	40.0	41.0		ug/Kg		103	35 - 149
Carbon disulfide	40.0	45.0		ug/Kg		112	50 - 127
Carbon tetrachloride	40.0	47.0		ug/Kg		117	69 - 122
Chlorobenzene	40.0	42.9		ug/Kg		107	79 - 120
Chlorobromomethane	40.0	42.0		ug/Kg		105	67 - 126
Chlorodibromomethane	40.0	46.4		ug/Kg		116	70 - 132
Chloroethane	40.0	46.7		ug/Kg		117	22 - 150

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

Lab Sample ID: LCS 180-114925/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 114924
Prep Batch: 114925

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	40.0	44.8		ug/Kg		112	72 - 120
Chloromethane	40.0	43.4		ug/Kg		109	44 - 131
cis-1,2-Dichloroethene	40.0	42.2		ug/Kg		106	80 - 118
cis-1,3-Dichloropropene	40.0	42.5		ug/Kg		106	73 - 120
Cyclohexane	40.0	42.7		ug/Kg		107	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	43.7		ug/Kg		109	35 - 136
1,2-Dibromoethane	40.0	45.3		ug/Kg		113	70 - 131
1,2-Dichlorobenzene	40.0	43.3		ug/Kg		108	71 - 124
1,3-Dichlorobenzene	40.0	43.3		ug/Kg		108	75 - 118
1,4-Dichlorobenzene	40.0	43.3		ug/Kg		108	77 - 116
Dichlorobromomethane	40.0	43.6		ug/Kg		109	70 - 125
Dichlorodifluoromethane	40.0	39.2		ug/Kg		98	25 - 150
1,1-Dichloroethane	40.0	42.6		ug/Kg		107	66 - 124
1,2-Dichloroethane	40.0	45.7		ug/Kg		114	61 - 127
1,1-Dichloroethene	40.0	47.5		ug/Kg		119	59 - 129
1,2-Dichloropropane	40.0	41.0		ug/Kg		103	72 - 122
1,4-Dioxane	800	876	J	ug/Kg		109	10 - 160
Ethylbenzene	40.0	42.9		ug/Kg		107	78 - 125
2-Hexanone	40.0	46.9		ug/Kg		117	32 - 150
Isopropylbenzene	40.0	43.8		ug/Kg		110	70 - 133
Methyl acetate	200	200		ug/Kg		100	27 - 142
Methylcyclohexane	40.0	39.4		ug/Kg		98	66 - 135
Methylene Chloride	40.0	38.0		ug/Kg		95	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	46.9		ug/Kg		117	44 - 148
Methyl tert-butyl ether	40.0	47.0		ug/Kg		117	48 - 132
m-Xylene & p-Xylene	40.0	42.0		ug/Kg		105	75 - 126
o-Xylene	40.0	43.2		ug/Kg		108	83 - 127
Styrene	40.0	44.0		ug/Kg		110	83 - 129
1,1,2,2-Tetrachloroethane	40.0	44.7		ug/Kg		112	60 - 139
Tetrachloroethene	40.0	40.5		ug/Kg		101	78 - 129
Toluene	40.0	42.2		ug/Kg		105	78 - 124
trans-1,2-Dichloroethene	40.0	43.1		ug/Kg		108	77 - 121
trans-1,3-Dichloropropene	40.0	45.9		ug/Kg		115	74 - 129
1,2,3-Trichlorobenzene	40.0	35.5		ug/Kg		89	37 - 144
1,2,4-Trichlorobenzene	40.0	38.4		ug/Kg		96	51 - 136
1,1,1-Trichloroethane	40.0	46.9		ug/Kg		117	67 - 126
1,1,2-Trichloroethane	40.0	45.3		ug/Kg		113	70 - 128
Trichloroethene	40.0	39.5		ug/Kg		99	76 - 119
Trichlorofluoromethane	40.0	44.5		ug/Kg		111	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	50.8		ug/Kg		127	55 - 130
Vinyl chloride	40.0	42.1		ug/Kg		105	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*
Dibromofluoromethane (Surr)	*100*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*104*		*52 - 124*
Toluene-d8 (Surr)	*96*		*72 - 127*

QC Sample Results

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

Lab Sample ID: 180-35776-14 MS
Matrix: Solid
Analysis Batch: 114924

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 114925

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		38.1	35.8		ug/Kg	☼	94	20 - 150
Benzene	ND		38.1	38.3		ug/Kg	☼	100	77 - 120
Bromoform	ND		38.1	36.9		ug/Kg	☼	97	53 - 140
Bromomethane	ND		38.1	46.2		ug/Kg	☼	121	25 - 150
2-Butanone (MEK)	ND		38.1	34.5		ug/Kg	☼	90	35 - 149
Carbon disulfide	ND		38.1	42.1		ug/Kg	☼	110	50 - 127
Carbon tetrachloride	ND		38.1	43.3		ug/Kg	☼	114	69 - 122
Chlorobenzene	ND		38.1	37.8		ug/Kg	☼	99	79 - 120
Chlorobromomethane	ND		38.1	39.4		ug/Kg	☼	103	67 - 126
Chlorodibromomethane	ND		38.1	39.6		ug/Kg	☼	104	70 - 132
Chloroethane	ND		38.1	43.1		ug/Kg	☼	113	22 - 150
Chloroform	ND		38.1	40.4		ug/Kg	☼	106	72 - 120
Chloromethane	ND		38.1	41.4		ug/Kg	☼	109	44 - 131
cis-1,2-Dichloroethene	ND		38.1	39.3		ug/Kg	☼	103	80 - 118
cis-1,3-Dichloropropene	ND		38.1	37.2		ug/Kg	☼	98	73 - 120
Cyclohexane	ND		38.1	39.4		ug/Kg	☼	103	64 - 130
1,2-Dibromo-3-Chloropropane	ND		38.1	36.5		ug/Kg	☼	96	35 - 136
1,2-Dibromoethane	ND		38.1	39.1		ug/Kg	☼	103	70 - 131
1,2-Dichlorobenzene	ND		38.1	38.2		ug/Kg	☼	100	71 - 124
1,3-Dichlorobenzene	ND		38.1	38.3		ug/Kg	☼	101	75 - 118
1,4-Dichlorobenzene	ND		38.1	37.7		ug/Kg	☼	99	77 - 116
Dichlorobromomethane	ND		38.1	38.6		ug/Kg	☼	101	70 - 125
Dichlorodifluoromethane	ND		38.1	36.2		ug/Kg	☼	95	25 - 150
1,1-Dichloroethane	ND		38.1	39.0		ug/Kg	☼	102	66 - 124
1,2-Dichloroethane	ND		38.1	40.5		ug/Kg	☼	106	61 - 127
1,1-Dichloroethene	ND		38.1	44.6		ug/Kg	☼	117	59 - 129
1,2-Dichloropropane	ND		38.1	36.5		ug/Kg	☼	96	72 - 122
1,4-Dioxane	ND		762	724	J	ug/Kg	☼	95	10 - 160
Ethylbenzene	ND		38.1	37.9		ug/Kg	☼	100	78 - 125
2-Hexanone	ND		38.1	36.3		ug/Kg	☼	95	32 - 150
Isopropylbenzene	ND		38.1	38.3		ug/Kg	☼	100	70 - 133
Methyl acetate	ND		191	182		ug/Kg	☼	96	27 - 142
Methylcyclohexane	ND		38.1	36.5		ug/Kg	☼	96	66 - 135
Methylene Chloride	ND		38.1	36.7		ug/Kg	☼	96	58 - 127
4-Methyl-2-pentanone (MIBK)	ND		38.1	38.9		ug/Kg	☼	102	44 - 148
Methyl tert-butyl ether	ND		38.1	43.6		ug/Kg	☼	114	48 - 132
m-Xylene & p-Xylene	ND		38.1	37.1		ug/Kg	☼	97	75 - 126
o-Xylene	ND		38.1	38.5		ug/Kg	☼	101	83 - 127
Styrene	ND		38.1	37.8		ug/Kg	☼	99	83 - 129
1,1,2,2-Tetrachloroethane	ND		38.1	36.2		ug/Kg	☼	95	60 - 139
Tetrachloroethene	ND		38.1	36.9		ug/Kg	☼	97	78 - 129
Toluene	ND		38.1	38.1		ug/Kg	☼	100	78 - 124
trans-1,2-Dichloroethene	ND		38.1	41.2		ug/Kg	☼	108	77 - 121
trans-1,3-Dichloropropene	ND		38.1	40.5		ug/Kg	☼	106	74 - 129
1,2,3-Trichlorobenzene	ND		38.1	30.5		ug/Kg	☼	80	37 - 144
1,2,4-Trichlorobenzene	ND		38.1	33.1		ug/Kg	☼	87	51 - 136
1,1,1-Trichloroethane	ND		38.1	43.0		ug/Kg	☼	113	67 - 126
1,1,2-Trichloroethane	ND		38.1	37.9		ug/Kg	☼	99	70 - 128

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

Lab Sample ID: 180-35776-14 MS
Matrix: Solid
Analysis Batch: 114924

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 114925

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	ND		38.1	36.1		ug/Kg	☼	95	76 - 119
Trichlorofluoromethane	ND		38.1	40.1		ug/Kg	☼	105	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		38.1	48.2		ug/Kg	☼	126	55 - 130
Vinyl chloride	ND		38.1	40.1		ug/Kg	☼	105	63 - 124

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*63 - 120*
Dibromofluoromethane (Surr)	*100*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*103*		*52 - 124*
Toluene-d8 (Surr)	*97*		*72 - 127*

Lab Sample ID: 180-35776-14 MSD
Matrix: Solid
Analysis Batch: 114924

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 114925

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		39.4	38.5		ug/Kg	☼	98	20 - 150	7	40
Benzene	ND		39.4	41.3		ug/Kg	☼	105	77 - 120	8	20
Bromoform	ND		39.4	41.4		ug/Kg	☼	105	53 - 140	11	23
Bromomethane	ND		39.4	49.3		ug/Kg	☼	125	25 - 150	7	40
2-Butanone (MEK)	ND		39.4	37.4		ug/Kg	☼	95	35 - 149	8	36
Carbon disulfide	ND		39.4	44.6		ug/Kg	☼	113	50 - 127	6	23
Carbon tetrachloride	ND		39.4	45.8		ug/Kg	☼	116	69 - 122	6	22
Chlorobenzene	ND		39.4	41.4		ug/Kg	☼	105	79 - 120	9	20
Chlorobromomethane	ND		39.4	42.7		ug/Kg	☼	108	67 - 126	8	29
Chlorodibromomethane	ND		39.4	41.7		ug/Kg	☼	106	70 - 132	5	20
Chloroethane	ND		39.4	43.5		ug/Kg	☼	110	22 - 150	1	40
Chloroform	ND		39.4	43.4		ug/Kg	☼	110	72 - 120	7	25
Chloromethane	ND		39.4	42.6		ug/Kg	☼	108	44 - 131	3	27
cis-1,2-Dichloroethene	ND		39.4	41.3		ug/Kg	☼	105	80 - 118	5	20
cis-1,3-Dichloropropene	ND		39.4	39.9		ug/Kg	☼	101	73 - 120	7	20
Cyclohexane	ND		39.4	42.4		ug/Kg	☼	108	64 - 130	7	21
1,2-Dibromo-3-Chloropropane	ND		39.4	39.9		ug/Kg	☼	101	35 - 136	9	40
1,2-Dibromoethane	ND		39.4	42.0		ug/Kg	☼	107	70 - 131	7	20
1,2-Dichlorobenzene	ND		39.4	40.7		ug/Kg	☼	103	71 - 124	6	22
1,3-Dichlorobenzene	ND		39.4	40.6		ug/Kg	☼	103	75 - 118	6	20
1,4-Dichlorobenzene	ND		39.4	41.0		ug/Kg	☼	104	77 - 116	8	20
Dichlorobromomethane	ND		39.4	41.7		ug/Kg	☼	106	70 - 125	8	21
Dichlorodifluoromethane	ND		39.4	39.0		ug/Kg	☼	99	25 - 150	8	34
1,1-Dichloroethane	ND		39.4	43.3		ug/Kg	☼	110	66 - 124	11	23
1,2-Dichloroethane	ND		39.4	44.2		ug/Kg	☼	112	61 - 127	9	23
1,1-Dichloroethene	ND		39.4	47.1		ug/Kg	☼	120	59 - 129	5	25
1,2-Dichloropropane	ND		39.4	39.7		ug/Kg	☼	101	72 - 122	8	20
1,4-Dioxane	ND		788	906	J	ug/Kg	☼	115	10 - 160	22	40
Ethylbenzene	ND		39.4	41.1		ug/Kg	☼	104	78 - 125	8	21
2-Hexanone	ND		39.4	40.3		ug/Kg	☼	102	32 - 150	10	32
Isopropylbenzene	ND		39.4	42.0		ug/Kg	☼	107	70 - 133	9	22

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

Lab Sample ID: 180-35776-14 MSD
Matrix: Solid
Analysis Batch: 114924

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 114925

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl acetate	ND		197	193		ug/Kg	☼	98	27 - 142	6	40
Methylcyclohexane	ND		39.4	39.5		ug/Kg	☼	100	66 - 135	8	23
Methylene Chloride	ND		39.4	38.5		ug/Kg	☼	98	58 - 127	5	28
4-Methyl-2-pentanone (MIBK)	ND		39.4	42.2		ug/Kg	☼	107	44 - 148	8	30
Methyl tert-butyl ether	ND		39.4	46.0		ug/Kg	☼	117	48 - 132	5	36
m-Xylene & p-Xylene	ND		39.4	40.6		ug/Kg	☼	103	75 - 126	9	21
o-Xylene	ND		39.4	42.2		ug/Kg	☼	107	83 - 127	9	20
Styrene	ND		39.4	41.7		ug/Kg	☼	106	83 - 129	10	20
1,1,2,2-Tetrachloroethane	ND		39.4	40.5		ug/Kg	☼	103	60 - 139	11	24
Tetrachloroethene	ND		39.4	40.3		ug/Kg	☼	102	78 - 129	9	20
Toluene	ND		39.4	41.1		ug/Kg	☼	104	78 - 124	8	21
trans-1,2-Dichloroethene	ND		39.4	43.7		ug/Kg	☼	111	77 - 121	6	20
trans-1,3-Dichloropropene	ND		39.4	43.4		ug/Kg	☼	110	74 - 129	7	20
1,2,3-Trichlorobenzene	ND		39.4	39.4		ug/Kg	☼	100	37 - 144	26	40
1,2,4-Trichlorobenzene	ND		39.4	39.8		ug/Kg	☼	101	51 - 136	19	40
1,1,1-Trichloroethane	ND		39.4	45.8		ug/Kg	☼	116	67 - 126	6	31
1,1,2-Trichloroethane	ND		39.4	42.0		ug/Kg	☼	107	70 - 128	10	22
Trichloroethene	ND		39.4	39.9		ug/Kg	☼	101	76 - 119	10	21
Trichlorofluoromethane	ND		39.4	42.0		ug/Kg	☼	107	20 - 150	4	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39.4	51.6	F1	ug/Kg	☼	131	55 - 130	7	37
Vinyl chloride	ND		39.4	42.1		ug/Kg	☼	107	63 - 124	5	27

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*63 - 120*
Dibromofluoromethane (Surr)	*104*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*107*		*52 - 124*
Toluene-d8 (Surr)	*100*		*72 - 127*

Lab Sample ID: MB 180-114966/1-A
Matrix: Solid
Analysis Batch: 114963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114966

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Benzene	ND		5.0	0.68	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Bromoform	ND		5.0	0.44	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Chloroform	ND		5.0	0.58	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/16/14 12:34	08/16/14 15:12	1

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

Lab Sample ID: MB 180-114966/1-A
Matrix: Solid
Analysis Batch: 114963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114966

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Styrene	ND		5.0	0.71	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Toluene	ND		5.0	0.73	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Trichloroethene	ND		5.0	0.66	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/16/14 12:34	08/16/14 15:12	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/16/14 12:34	08/16/14 15:12	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/16/14 12:34*	*08/16/14 15:12*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/16/14 12:34*	*08/16/14 15:12*	*1*
Dibromofluoromethane (Surr)	*102*		*68 - 121*	*08/16/14 12:34*	*08/16/14 15:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*52 - 124*	*08/16/14 12:34*	*08/16/14 15:12*	*1*
Toluene-d8 (Surr)	*101*		*72 - 127*	*08/16/14 12:34*	*08/16/14 15:12*	*1*

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

Lab Sample ID: LCS 180-114966/2-A
Matrix: Solid
Analysis Batch: 114963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114966

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	36.2		ug/Kg		90	20 - 150
Benzene	40.0	37.6		ug/Kg		94	77 - 120
Bromoform	40.0	35.9		ug/Kg		90	53 - 140
Bromomethane	40.0	44.9		ug/Kg		112	25 - 150
2-Butanone (MEK)	40.0	33.2		ug/Kg		83	35 - 149
Carbon disulfide	40.0	39.5		ug/Kg		99	50 - 127
Carbon tetrachloride	40.0	43.8		ug/Kg		109	69 - 122
Chlorobenzene	40.0	37.0		ug/Kg		92	79 - 120
Chlorobromomethane	40.0	38.1		ug/Kg		95	67 - 126
Chlorodibromomethane	40.0	38.7		ug/Kg		97	70 - 132
Chloroethane	40.0	50.7		ug/Kg		127	22 - 150
Chloroform	40.0	40.3		ug/Kg		101	72 - 120
Chloromethane	40.0	41.1		ug/Kg		103	44 - 131
cis-1,2-Dichloroethene	40.0	38.1		ug/Kg		95	80 - 118
cis-1,3-Dichloropropene	40.0	36.6		ug/Kg		91	73 - 120
Cyclohexane	40.0	39.0		ug/Kg		97	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	31.9		ug/Kg		80	35 - 136
1,2-Dibromoethane	40.0	38.6		ug/Kg		96	70 - 131
1,2-Dichlorobenzene	40.0	36.0		ug/Kg		90	71 - 124
1,3-Dichlorobenzene	40.0	36.1		ug/Kg		90	75 - 118
1,4-Dichlorobenzene	40.0	36.6		ug/Kg		91	77 - 116
Dichlorobromomethane	40.0	38.5		ug/Kg		96	70 - 125
Dichlorodifluoromethane	40.0	35.9		ug/Kg		90	25 - 150
1,1-Dichloroethane	40.0	39.9		ug/Kg		100	66 - 124
1,2-Dichloroethane	40.0	41.5		ug/Kg		104	61 - 127
1,1-Dichloroethene	40.0	43.8		ug/Kg		109	59 - 129
1,2-Dichloropropane	40.0	36.4		ug/Kg		91	72 - 122
1,4-Dioxane	800	599	J	ug/Kg		75	10 - 160
Ethylbenzene	40.0	37.4		ug/Kg		93	78 - 125
2-Hexanone	40.0	36.3		ug/Kg		91	32 - 150
Isopropylbenzene	40.0	37.9		ug/Kg		95	70 - 133
Methyl acetate	200	184		ug/Kg		92	27 - 142
Methylcyclohexane	40.0	36.1		ug/Kg		90	66 - 135
Methylene Chloride	40.0	35.3		ug/Kg		88	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	37.0		ug/Kg		93	44 - 148
Methyl tert-butyl ether	40.0	42.0		ug/Kg		105	48 - 132
m-Xylene & p-Xylene	40.0	36.0		ug/Kg		90	75 - 126
o-Xylene	40.0	37.1		ug/Kg		93	83 - 127
Styrene	40.0	36.5		ug/Kg		91	83 - 129
1,1,2,2-Tetrachloroethane	40.0	35.3		ug/Kg		88	60 - 139
Tetrachloroethene	40.0	37.1		ug/Kg		93	78 - 129
Toluene	40.0	38.6		ug/Kg		96	78 - 124
trans-1,2-Dichloroethene	40.0	40.7		ug/Kg		102	77 - 121
trans-1,3-Dichloropropene	40.0	39.7		ug/Kg		99	74 - 129
1,2,3-Trichlorobenzene	40.0	24.9		ug/Kg		62	37 - 144
1,2,4-Trichlorobenzene	40.0	28.6		ug/Kg		71	51 - 136
1,1,1-Trichloroethane	40.0	42.8		ug/Kg		107	67 - 126
1,1,2-Trichloroethane	40.0	38.3		ug/Kg		96	70 - 128

QC Sample Results

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

Lab Sample ID: LCS 180-114966/2-A
Matrix: Solid
Analysis Batch: 114963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114966

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	40.0	35.4		ug/Kg		88	76 - 119
Trichlorofluoromethane	40.0	38.0		ug/Kg		95	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	46.1		ug/Kg		115	55 - 130
Vinyl chloride	40.0	38.6		ug/Kg		96	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*
Dibromofluoromethane (Surr)	*97*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*103*		*52 - 124*
Toluene-d8 (Surr)	*95*		*72 - 127*

Lab Sample ID: 180-35776-25 MS
Matrix: Solid
Analysis Batch: 114963

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 114966

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		48.0	42.0		ug/Kg	☼	87	20 - 150
Benzene	ND		48.0	49.3		ug/Kg	☼	103	77 - 120
Bromoform	ND		48.0	46.9		ug/Kg	☼	98	53 - 140
Bromomethane	ND		48.0	56.4		ug/Kg	☼	118	25 - 150
2-Butanone (MEK)	ND		48.0	42.1		ug/Kg	☼	88	35 - 149
Carbon disulfide	ND		48.0	51.7		ug/Kg	☼	108	50 - 127
Carbon tetrachloride	ND		48.0	55.6		ug/Kg	☼	116	69 - 122
Chlorobenzene	ND		48.0	47.5		ug/Kg	☼	99	79 - 120
Chlorobromomethane	ND		48.0	49.3		ug/Kg	☼	103	67 - 126
Chlorodibromomethane	ND		48.0	51.2		ug/Kg	☼	107	70 - 132
Chloroethane	ND		48.0	64.2		ug/Kg	☼	134	22 - 150
Chloroform	ND		48.0	52.1		ug/Kg	☼	109	72 - 120
Chloromethane	ND		48.0	50.9		ug/Kg	☼	106	44 - 131
cis-1,2-Dichloroethene	ND		48.0	49.0		ug/Kg	☼	102	80 - 118
cis-1,3-Dichloropropene	ND		48.0	47.8		ug/Kg	☼	100	73 - 120
Cyclohexane	ND		48.0	49.5		ug/Kg	☼	103	64 - 130
1,2-Dibromo-3-Chloropropane	ND		48.0	40.9		ug/Kg	☼	85	35 - 136
1,2-Dibromoethane	ND		48.0	49.0		ug/Kg	☼	102	70 - 131
1,2-Dichlorobenzene	ND		48.0	46.7		ug/Kg	☼	97	71 - 124
1,3-Dichlorobenzene	ND		48.0	46.8		ug/Kg	☼	97	75 - 118
1,4-Dichlorobenzene	ND		48.0	45.8		ug/Kg	☼	96	77 - 116
Dichlorobromomethane	ND		48.0	49.2		ug/Kg	☼	102	70 - 125
Dichlorodifluoromethane	ND		48.0	44.0		ug/Kg	☼	92	25 - 150
1,1-Dichloroethane	ND		48.0	50.6		ug/Kg	☼	105	66 - 124
1,2-Dichloroethane	ND		48.0	53.8		ug/Kg	☼	112	61 - 127
1,1-Dichloroethene	ND		48.0	54.8		ug/Kg	☼	114	59 - 129
1,2-Dichloropropane	ND		48.0	46.1		ug/Kg	☼	96	72 - 122
1,4-Dioxane	ND		960	805	J	ug/Kg	☼	84	10 - 160
Ethylbenzene	ND		48.0	48.4		ug/Kg	☼	101	78 - 125
2-Hexanone	ND		48.0	44.1		ug/Kg	☼	92	32 - 150
Isopropylbenzene	ND		48.0	48.7		ug/Kg	☼	101	70 - 133

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

Lab Sample ID: 180-35776-25 MS
Matrix: Solid
Analysis Batch: 114963

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 114966

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl acetate	ND		240	230		ug/Kg	☼	96	27 - 142
Methylcyclohexane	ND		48.0	47.1		ug/Kg	☼	98	66 - 135
Methylene Chloride	ND		48.0	44.8		ug/Kg	☼	93	58 - 127
4-Methyl-2-pentanone (MIBK)	ND		48.0	49.1		ug/Kg	☼	102	44 - 148
Methyl tert-butyl ether	ND		48.0	53.9		ug/Kg	☼	112	48 - 132
m-Xylene & p-Xylene	ND		48.0	48.3		ug/Kg	☼	101	75 - 126
o-Xylene	ND		48.0	48.1		ug/Kg	☼	100	83 - 127
Styrene	ND		48.0	48.2		ug/Kg	☼	100	83 - 129
1,1,2,2-Tetrachloroethane	ND		48.0	45.0		ug/Kg	☼	94	60 - 139
Tetrachloroethene	ND		48.0	48.1		ug/Kg	☼	100	78 - 129
Toluene	ND		48.0	49.7		ug/Kg	☼	104	78 - 124
trans-1,2-Dichloroethene	ND		48.0	51.5		ug/Kg	☼	107	77 - 121
trans-1,3-Dichloropropene	ND		48.0	52.5		ug/Kg	☼	109	74 - 129
1,2,3-Trichlorobenzene	ND		48.0	34.5		ug/Kg	☼	72	37 - 144
1,2,4-Trichlorobenzene	ND		48.0	37.9		ug/Kg	☼	79	51 - 136
1,1,1-Trichloroethane	ND		48.0	55.8		ug/Kg	☼	116	67 - 126
1,1,2-Trichloroethane	ND		48.0	48.6		ug/Kg	☼	101	70 - 128
Trichloroethene	ND		48.0	46.5		ug/Kg	☼	97	76 - 119
Trichlorofluoromethane	ND		48.0	50.9		ug/Kg	☼	106	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		48.0	59.4		ug/Kg	☼	124	55 - 130
Vinyl chloride	ND		48.0	49.2		ug/Kg	☼	103	63 - 124

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*
Dibromofluoromethane (Surr)	*102*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*
Toluene-d8 (Surr)	*97*		*72 - 127*

Lab Sample ID: 180-35776-25 MSD
Matrix: Solid
Analysis Batch: 114963

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 114966

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		47.6	43.9		ug/Kg	☼	92	20 - 150	5	40
Benzene	ND		47.6	47.9		ug/Kg	☼	101	77 - 120	3	20
Bromoform	ND		47.6	46.2		ug/Kg	☼	97	53 - 140	2	23
Bromomethane	ND		47.6	57.0		ug/Kg	☼	120	25 - 150	1	40
2-Butanone (MEK)	ND		47.6	43.5		ug/Kg	☼	91	35 - 149	3	36
Carbon disulfide	ND		47.6	49.8		ug/Kg	☼	105	50 - 127	4	23
Carbon tetrachloride	ND		47.6	54.6		ug/Kg	☼	115	69 - 122	2	22
Chlorobenzene	ND		47.6	47.9		ug/Kg	☼	101	79 - 120	1	20
Chlorobromomethane	ND		47.6	50.1		ug/Kg	☼	105	67 - 126	2	29
Chlorodibromomethane	ND		47.6	49.2		ug/Kg	☼	103	70 - 132	4	20
Chloroethane	ND		47.6	51.5		ug/Kg	☼	108	22 - 150	22	40
Chloroform	ND		47.6	52.0		ug/Kg	☼	109	72 - 120	0	25
Chloromethane	ND		47.6	50.6		ug/Kg	☼	106	44 - 131	1	27
cis-1,2-Dichloroethene	ND		47.6	48.5		ug/Kg	☼	102	80 - 118	1	20

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

Lab Sample ID: 180-35776-25 MSD
Matrix: Solid
Analysis Batch: 114963

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 114966

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	ND		47.6	47.1		ug/Kg	☼	99	73 - 120	2	20
Cyclohexane	ND		47.6	49.5		ug/Kg	☼	104	64 - 130	0	21
1,2-Dibromo-3-Chloropropane	ND		47.6	49.7		ug/Kg	☼	104	35 - 136	19	40
1,2-Dibromoethane	ND		47.6	49.6		ug/Kg	☼	104	70 - 131	1	20
1,2-Dichlorobenzene	ND		47.6	47.8		ug/Kg	☼	100	71 - 124	2	22
1,3-Dichlorobenzene	ND		47.6	47.5		ug/Kg	☼	100	75 - 118	1	20
1,4-Dichlorobenzene	ND		47.6	47.9		ug/Kg	☼	100	77 - 116	4	20
Dichlorobromomethane	ND		47.6	48.1		ug/Kg	☼	101	70 - 125	2	21
Dichlorodifluoromethane	ND		47.6	46.2		ug/Kg	☼	97	25 - 150	5	34
1,1-Dichloroethane	ND		47.6	49.9		ug/Kg	☼	105	66 - 124	1	23
1,2-Dichloroethane	ND		47.6	52.0		ug/Kg	☼	109	61 - 127	3	23
1,1-Dichloroethene	ND		47.6	53.7		ug/Kg	☼	113	59 - 129	2	25
1,2-Dichloropropane	ND		47.6	45.0		ug/Kg	☼	94	72 - 122	2	20
1,4-Dioxane	ND		953	1110	J	ug/Kg	☼	117	10 - 160	32	40
Ethylbenzene	ND		47.6	48.0		ug/Kg	☼	101	78 - 125	1	21
2-Hexanone	ND		47.6	45.5		ug/Kg	☼	95	32 - 150	3	32
Isopropylbenzene	ND		47.6	49.5		ug/Kg	☼	104	70 - 133	2	22
Methyl acetate	ND		238	234		ug/Kg	☼	98	27 - 142	2	40
Methylcyclohexane	ND		47.6	45.1		ug/Kg	☼	95	66 - 135	4	23
Methylene Chloride	ND		47.6	44.4		ug/Kg	☼	93	58 - 127	1	28
4-Methyl-2-pentanone (MIBK)	ND		47.6	50.8		ug/Kg	☼	107	44 - 148	3	30
Methyl tert-butyl ether	ND		47.6	55.9		ug/Kg	☼	117	48 - 132	4	36
m-Xylene & p-Xylene	ND		47.6	47.6		ug/Kg	☼	100	75 - 126	1	21
o-Xylene	ND		47.6	48.1		ug/Kg	☼	101	83 - 127	0	20
Styrene	ND		47.6	48.6		ug/Kg	☼	102	83 - 129	1	20
1,1,2,2-Tetrachloroethane	ND		47.6	48.7		ug/Kg	☼	102	60 - 139	8	24
Tetrachloroethene	ND		47.6	47.7		ug/Kg	☼	100	78 - 129	1	20
Toluene	ND		47.6	48.7		ug/Kg	☼	102	78 - 124	2	21
trans-1,2-Dichloroethene	ND		47.6	51.4		ug/Kg	☼	108	77 - 121	0	20
trans-1,3-Dichloropropene	ND		47.6	52.4		ug/Kg	☼	110	74 - 129	0	20
1,2,3-Trichlorobenzene	ND		47.6	48.4		ug/Kg	☼	102	37 - 144	34	40
1,2,4-Trichlorobenzene	ND		47.6	48.5		ug/Kg	☼	102	51 - 136	25	40
1,1,1-Trichloroethane	ND		47.6	54.6		ug/Kg	☼	115	67 - 126	2	31
1,1,2-Trichloroethane	ND		47.6	49.0		ug/Kg	☼	103	70 - 128	1	22
Trichloroethene	ND		47.6	44.6		ug/Kg	☼	94	76 - 119	4	21
Trichlorofluoromethane	ND		47.6	44.6		ug/Kg	☼	94	20 - 150	13	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		47.6	59.3		ug/Kg	☼	124	55 - 130	0	37
Vinyl chloride	ND		47.6	50.5		ug/Kg	☼	106	63 - 124	3	27

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*
Dibromofluoromethane (Surr)	*99*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*106*		*52 - 124*
Toluene-d8 (Surr)	*96*		*72 - 127*

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

Lab Sample ID: MB 180-115034/1-A
Matrix: Solid
Analysis Batch: 115020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115034

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Benzene	ND		5.0	0.68	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Bromoform	ND		5.0	0.44	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Chloroform	ND		5.0	0.58	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Styrene	ND		5.0	0.71	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Toluene	ND		5.0	0.73	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/18/14 04:22	08/18/14 06:43	1

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

Lab Sample ID: MB 180-115034/1-A
Matrix: Solid
Analysis Batch: 115020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115034

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.0	0.66	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/18/14 04:22	08/18/14 06:43	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/18/14 04:22*	*08/18/14 06:43*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*	*08/18/14 04:22*	*08/18/14 06:43*	*1*
Dibromofluoromethane (Surr)	*99*		*68 - 121*	*08/18/14 04:22*	*08/18/14 06:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*52 - 124*	*08/18/14 04:22*	*08/18/14 06:43*	*1*
Toluene-d8 (Surr)	*95*		*72 - 127*	*08/18/14 04:22*	*08/18/14 06:43*	*1*

Lab Sample ID: LCS 180-115034/2-A
Matrix: Solid
Analysis Batch: 115020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115034

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	40.3		ug/Kg		101	20 - 150
Benzene	40.0	38.0		ug/Kg		95	77 - 120
Bromoform	40.0	34.6		ug/Kg		87	53 - 140
Bromomethane	40.0	49.3		ug/Kg		123	25 - 150
2-Butanone (MEK)	40.0	37.2		ug/Kg		93	35 - 149
Carbon disulfide	40.0	41.7		ug/Kg		104	50 - 127
Carbon tetrachloride	40.0	44.8		ug/Kg		112	69 - 122
Chlorobenzene	40.0	37.5		ug/Kg		94	79 - 120
Chlorobromomethane	40.0	37.4		ug/Kg		94	67 - 126
Chlorodibromomethane	40.0	37.9		ug/Kg		95	70 - 132
Chloroethane	40.0	46.6		ug/Kg		116	22 - 150
Chloroform	40.0	41.6		ug/Kg		104	72 - 120
Chloromethane	40.0	43.5		ug/Kg		109	44 - 131
cis-1,2-Dichloroethene	40.0	38.4		ug/Kg		96	80 - 118
cis-1,3-Dichloropropene	40.0	36.5		ug/Kg		91	73 - 120
Cyclohexane	40.0	39.8		ug/Kg		99	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	30.8		ug/Kg		77	35 - 136
1,2-Dibromoethane	40.0	37.0		ug/Kg		93	70 - 131
1,2-Dichlorobenzene	40.0	36.5		ug/Kg		91	71 - 124
1,3-Dichlorobenzene	40.0	37.0		ug/Kg		92	75 - 118
1,4-Dichlorobenzene	40.0	37.1		ug/Kg		93	77 - 116
Dichlorobromomethane	40.0	38.7		ug/Kg		97	70 - 125
Dichlorodifluoromethane	40.0	37.2		ug/Kg		93	25 - 150
1,1-Dichloroethane	40.0	39.4		ug/Kg		98	66 - 124
1,2-Dichloroethane	40.0	43.3		ug/Kg		108	61 - 127
1,1-Dichloroethene	40.0	43.6		ug/Kg		109	59 - 129
1,2-Dichloropropane	40.0	36.4		ug/Kg		91	72 - 122
1,4-Dioxane	800	727	J	ug/Kg		91	10 - 160

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

Lab Sample ID: LCS 180-115034/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115020 **Prep Batch: 115034**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	40.0	36.7		ug/Kg		92	78 - 125
2-Hexanone	40.0	38.6		ug/Kg		97	32 - 150
Isopropylbenzene	40.0	37.7		ug/Kg		94	70 - 133
Methyl acetate	200	189		ug/Kg		95	27 - 142
Methylcyclohexane	40.0	36.2		ug/Kg		90	66 - 135
Methylene Chloride	40.0	34.3		ug/Kg		86	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	39.4		ug/Kg		98	44 - 148
Methyl tert-butyl ether	40.0	42.9		ug/Kg		107	48 - 132
m-Xylene & p-Xylene	40.0	36.5		ug/Kg		91	75 - 126
o-Xylene	40.0	37.1		ug/Kg		93	83 - 127
Styrene	40.0	37.1		ug/Kg		93	83 - 129
1,1,2,2-Tetrachloroethane	40.0	35.2		ug/Kg		88	60 - 139
Tetrachloroethene	40.0	38.0		ug/Kg		95	78 - 129
Toluene	40.0	38.0		ug/Kg		95	78 - 124
trans-1,2-Dichloroethene	40.0	39.7		ug/Kg		99	77 - 121
trans-1,3-Dichloropropene	40.0	38.6		ug/Kg		97	74 - 129
1,2,3-Trichlorobenzene	40.0	25.7		ug/Kg		64	37 - 144
1,2,4-Trichlorobenzene	40.0	29.5		ug/Kg		74	51 - 136
1,1,1-Trichloroethane	40.0	45.4		ug/Kg		113	67 - 126
1,1,2-Trichloroethane	40.0	36.5		ug/Kg		91	70 - 128
Trichloroethene	40.0	35.8		ug/Kg		90	76 - 119
Trichlorofluoromethane	40.0	45.7		ug/Kg		114	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	47.9		ug/Kg		120	55 - 130
Vinyl chloride	40.0	40.4		ug/Kg		101	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*
Dibromofluoromethane (Surr)	*99*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*
Toluene-d8 (Surr)	*94*		*72 - 127*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-115664/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115715 **Prep Batch: 115664**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	6.4	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Acenaphthylene	ND		67	7.6	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Acetophenone	ND		330	27	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Anthracene	ND		67	6.5	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Atrazine	ND		330	32	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Benzaldehyde	ND		330	50	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Benzo[a]anthracene	ND		67	8.4	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Benzo[a]pyrene	ND		67	6.7	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Benzo[b]fluoranthene	ND		67	10	ug/Kg		08/22/14 02:20	08/22/14 11:20	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-115664/1-A
Matrix: Solid
Analysis Batch: 115715

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115664

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		67	6.6	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Benzo[k]fluoranthene	ND		67	13	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
1,1'-Biphenyl	ND		330	30	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Bis(2-chloroethoxy)methane	ND		330	22	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Bis(2-chloroethyl)ether	ND		67	9.0	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Bis(2-ethylhexyl) phthalate	ND		670	54	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
4-Bromophenyl phenyl ether	ND		330	29	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Butyl benzyl phthalate	ND		330	46	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Caprolactam	ND		1700	250	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Carbazole	ND		67	6.1	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
4-Chloroaniline	ND		330	27	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
4-Chloro-3-methylphenol	ND		330	31	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
2-Chloronaphthalene	ND		67	7.0	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
2-Chlorophenol	ND		330	27	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
4-Chlorophenyl phenyl ether	ND		330	37	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Chrysene	ND		67	7.9	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Dibenz(a,h)anthracene	ND		67	7.4	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Dibenzofuran	ND		330	33	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
3,3'-Dichlorobenzidine	ND		330	35	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
2,4-Dichlorophenol	ND		67	6.7	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Diethyl phthalate	ND		330	36	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
2,4-Dimethylphenol	ND		330	52	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Dimethyl phthalate	ND		330	36	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Di-n-butyl phthalate	ND		330	42	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
4,6-Dinitro-2-methylphenol	ND		1700	130	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
2,4-Dinitrophenol	ND		1700	400	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
2,4-Dinitrotoluene	ND		330	27	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
2,6-Dinitrotoluene	ND		330	34	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Di-n-octyl phthalate	ND		330	35	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
1,4-Dioxane	ND		670	38	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Fluoranthene	ND		67	7.1	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Fluorene	ND		67	8.8	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Hexachlorobenzene	ND		67	7.1	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Hexachlorobutadiene	ND		67	7.5	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Hexachlorocyclopentadiene	ND		330	36	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Hexachloroethane	ND		330	24	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Indeno[1,2,3-cd]pyrene	ND		67	6.9	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Isophorone	ND		330	25	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
2-Methylnaphthalene	ND		67	6.0	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
2-Methylphenol	ND		330	23	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Methylphenol, 3 & 4	ND		330	33	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Naphthalene	ND		67	5.7	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
2-Nitroaniline	ND		1700	150	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
3-Nitroaniline	ND		1700	140	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
4-Nitroaniline	ND		1700	140	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Nitrobenzene	ND		670	28	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
2-Nitrophenol	ND		330	37	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
4-Nitrophenol	ND		1700	120	ug/Kg		08/22/14 02:20	08/22/14 11:20	1

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-115664/1-A
Matrix: Solid
Analysis Batch: 115715

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115664

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		67	7.8	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
N-Nitrosodiphenylamine	ND		330	31	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
2,2'-oxybis[1-chloropropane]	ND		67	7.2	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Pentachlorophenol	ND		330	30	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Phenanthrene	ND		67	11	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Phenol	ND		67	7.9	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
Pyrene	ND		67	6.7	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
1,2,4,5-Tetrachlorobenzene	ND		330	25	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
2,3,4,6-Tetrachlorophenol	ND		330	21	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
2,4,5-Trichlorophenol	ND		330	36	ug/Kg		08/22/14 02:20	08/22/14 11:20	1
2,4,6-Trichlorophenol	ND		330	50	ug/Kg		08/22/14 02:20	08/22/14 11:20	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/22/14 02:20*	*08/22/14 11:20*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*35 - 105*	*08/22/14 02:20*	*08/22/14 11:20*	*1*
2-Fluorophenol (Surr)	*87*		*39 - 103*	*08/22/14 02:20*	*08/22/14 11:20*	*1*
Nitrobenzene-d5 (Surr)	*84*		*25 - 104*	*08/22/14 02:20*	*08/22/14 11:20*	*1*
Phenol-d5 (Surr)	*81*		*25 - 105*	*08/22/14 02:20*	*08/22/14 11:20*	*1*
Terphenyl-d14 (Surr)	*84*		*25 - 127*	*08/22/14 02:20*	*08/22/14 11:20*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*35 - 124*	*08/22/14 02:20*	*08/22/14 11:20*	*1*

Lab Sample ID: LCS 180-115664/2-A
Matrix: Solid
Analysis Batch: 115715

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	6670	5640		ug/Kg		85	47 - 104
Acenaphthylene	6670	5570		ug/Kg		84	49 - 114
Acetophenone	6670	4620		ug/Kg		69	30 - 150
Anthracene	6670	5690		ug/Kg		85	45 - 112
Atrazine	6670	5730		ug/Kg		86	30 - 150
Benzaldehyde	6670	6200		ug/Kg		93	30 - 150
Benzo[a]anthracene	6670	5260		ug/Kg		79	47 - 110
Benzo[a]pyrene	6670	5580		ug/Kg		84	47 - 112
Benzo[b]fluoranthene	6670	5490		ug/Kg		82	41 - 107
Benzo[g,h,i]perylene	6670	5310		ug/Kg		80	38 - 126
Benzo[k]fluoranthene	6670	5250		ug/Kg		79	44 - 115
1,1'-Biphenyl	6670	5670		ug/Kg		85	30 - 150
Bis(2-chloroethoxy)methane	6670	4960		ug/Kg		74	44 - 101
Bis(2-chloroethyl)ether	6670	4940		ug/Kg		74	38 - 99
Bis(2-ethylhexyl) phthalate	6670	6220		ug/Kg		93	40 - 122
4-Bromophenyl phenyl ether	6670	6130		ug/Kg		92	47 - 110
Butyl benzyl phthalate	6670	6350		ug/Kg		95	41 - 118
Caprolactam	6670	5010		ug/Kg		75	30 - 150
Carbazole	6670	5500		ug/Kg		83	45 - 114

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-115664/2-A
Matrix: Solid
Analysis Batch: 115715

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloroaniline	6670	4760		ug/Kg		71	25 - 108
4-Chloro-3-methylphenol	6670	5340		ug/Kg		80	47 - 109
2-Chloronaphthalene	6670	5280		ug/Kg		79	46 - 101
2-Chlorophenol	6670	5110		ug/Kg		77	40 - 101
4-Chlorophenyl phenyl ether	6670	5510		ug/Kg		83	47 - 109
Chrysene	6670	5400		ug/Kg		81	46 - 111
Dibenz(a,h)anthracene	6670	5530		ug/Kg		83	39 - 127
Dibenzofuran	6670	5250		ug/Kg		79	46 - 104
3,3'-Dichlorobenzidine	6670	6230		ug/Kg		93	19 - 122
2,4-Dichlorophenol	6670	5310		ug/Kg		80	47 - 105
Diethyl phthalate	6670	6160		ug/Kg		92	47 - 115
2,4-Dimethylphenol	6670	5490		ug/Kg		82	44 - 105
Dimethyl phthalate	6670	5720		ug/Kg		86	49 - 111
Di-n-butyl phthalate	6670	6030		ug/Kg		90	43 - 121
4,6-Dinitro-2-methylphenol	13300	12900		ug/Kg		96	24 - 134
2,4-Dinitrophenol	13300	12700		ug/Kg		95	10 - 146
2,4-Dinitrotoluene	6670	6180		ug/Kg		93	45 - 124
2,6-Dinitrotoluene	6670	5890		ug/Kg		88	50 - 122
Di-n-octyl phthalate	6670	4970		ug/Kg		75	33 - 129
1,4-Dioxane	6670	5130		ug/Kg		77	41 - 102
Fluoranthene	6670	5770		ug/Kg		87	40 - 120
Fluorene	6670	5690		ug/Kg		85	46 - 109
Hexachlorobenzene	6670	5970		ug/Kg		90	47 - 108
Hexachlorobutadiene	6670	5300		ug/Kg		79	43 - 107
Hexachlorocyclopentadiene	6670	6670		ug/Kg		100	23 - 129
Hexachloroethane	6670	4600		ug/Kg		69	37 - 97
Indeno[1,2,3-cd]pyrene	6670	5490		ug/Kg		82	41 - 125
Isophorone	6670	5520		ug/Kg		83	47 - 110
2-Methylnaphthalene	6670	4760		ug/Kg		71	45 - 100
2-Methylphenol	6670	5470		ug/Kg		82	40 - 104
Methylphenol, 3 & 4	6670	5330		ug/Kg		80	42 - 105
Naphthalene	6670	4960		ug/Kg		74	43 - 100
2-Nitroaniline	6670	6460		ug/Kg		97	45 - 117
3-Nitroaniline	6670	5560		ug/Kg		83	34 - 122
4-Nitroaniline	6670	5950		ug/Kg		89	38 - 123
Nitrobenzene	6670	5470		ug/Kg		82	43 - 104
2-Nitrophenol	6670	5830		ug/Kg		87	46 - 106
4-Nitrophenol	13300	13500		ug/Kg		102	36 - 127
N-Nitrosodi-n-propylamine	6670	4910		ug/Kg		74	42 - 107
N-Nitrosodiphenylamine	6670	6000		ug/Kg		90	44 - 111
2,2'-oxybis[1-chloropropane]	6670	4640		ug/Kg		70	36 - 101
Pentachlorophenol	13300	13600		ug/Kg		102	17 - 122
Phenanthrene	6670	5350		ug/Kg		80	43 - 108
Phenol	6670	5220		ug/Kg		78	41 - 102
Pyrene	6670	5560		ug/Kg		83	41 - 115
1,2,4,5-Tetrachlorobenzene	6670	5950		ug/Kg		89	30 - 125
2,3,4,6-Tetrachlorophenol	6670	6090		ug/Kg		91	38 - 113
2,4,5-Trichlorophenol	6670	6020		ug/Kg		90	48 - 108

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-115664/2-A
Matrix: Solid
Analysis Batch: 115715

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115664

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,6-Trichlorophenol			6670	6330		ug/Kg		95	50 - 106

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*86*		*35 - 105*
2-Fluorophenol (Surr)	*90*		*39 - 103*
Nitrobenzene-d5 (Surr)	*84*		*25 - 104*
Phenol-d5 (Surr)	*82*		*25 - 105*
Terphenyl-d14 (Surr)	*89*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*106*		*35 - 124*

Lab Sample ID: 180-35776-3 MS
Matrix: Solid
Analysis Batch: 115715

Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115664

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		7460	5890		ug/Kg	☼	79	47 - 104
Acenaphthylene	ND		7460	5930		ug/Kg	☼	80	49 - 114
Acetophenone	ND		7460	4820		ug/Kg	☼	65	30 - 150
Anthracene	ND		7460	6130		ug/Kg	☼	82	45 - 112
Atrazine	ND		7460	6290		ug/Kg	☼	84	30 - 150
Benzaldehyde	ND		7460	1690	F1	ug/Kg	☼	23	30 - 150
Benzo[a]anthracene	ND		7460	5620		ug/Kg	☼	75	47 - 110
Benzo[a]pyrene	ND		7460	5770		ug/Kg	☼	77	47 - 112
Benzo[b]fluoranthene	ND		7460	5530		ug/Kg	☼	74	41 - 107
Benzo[g,h,i]perylene	ND		7460	5990		ug/Kg	☼	80	38 - 126
Benzo[k]fluoranthene	ND		7460	5400		ug/Kg	☼	72	44 - 115
1,1'-Biphenyl	ND		7460	6090		ug/Kg	☼	82	30 - 150
Bis(2-chloroethoxy)methane	ND		7460	5300		ug/Kg	☼	71	44 - 101
Bis(2-chloroethyl)ether	ND		7460	5100		ug/Kg	☼	68	38 - 99
Bis(2-ethylhexyl) phthalate	ND		7460	6560		ug/Kg	☼	88	40 - 122
4-Bromophenyl phenyl ether	ND		7460	6530		ug/Kg	☼	88	47 - 110
Butyl benzyl phthalate	ND		7460	6780		ug/Kg	☼	91	41 - 118
Caprolactam	ND		7460	5310		ug/Kg	☼	71	30 - 150
Carbazole	ND		7460	6020		ug/Kg	☼	81	45 - 114
4-Chloroaniline	ND		7460	4910		ug/Kg	☼	66	25 - 108
4-Chloro-3-methylphenol	ND		7460	5560		ug/Kg	☼	75	47 - 109
2-Chloronaphthalene	ND		7460	5600		ug/Kg	☼	75	46 - 101
2-Chlorophenol	ND		7460	5250		ug/Kg	☼	70	40 - 101
4-Chlorophenyl phenyl ether	ND		7460	5780		ug/Kg	☼	78	47 - 109
Chrysene	ND		7460	5790		ug/Kg	☼	78	46 - 111
Dibenz(a,h)anthracene	ND		7460	6110		ug/Kg	☼	82	39 - 127
Dibenzofuran	ND		7460	5650		ug/Kg	☼	76	46 - 104
3,3'-Dichlorobenzidine	ND		7460	5700		ug/Kg	☼	76	19 - 122
2,4-Dichlorophenol	ND		7460	5480		ug/Kg	☼	73	47 - 105
Diethyl phthalate	ND		7460	6560		ug/Kg	☼	88	47 - 115
2,4-Dimethylphenol	ND		7460	5070		ug/Kg	☼	68	44 - 105
Dimethyl phthalate	ND		7460	6260		ug/Kg	☼	84	49 - 111
Di-n-butyl phthalate	ND		7460	6690		ug/Kg	☼	90	43 - 121

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35776-3 MS
Matrix: Solid
Analysis Batch: 115715

Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115664

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,6-Dinitro-2-methylphenol	ND		14900	13500		ug/Kg	☼	91	24 - 134
2,4-Dinitrophenol	ND		14900	12300		ug/Kg	☼	83	10 - 146
2,4-Dinitrotoluene	ND		7460	6740		ug/Kg	☼	90	45 - 124
2,6-Dinitrotoluene	ND		7460	6250		ug/Kg	☼	84	50 - 122
Di-n-octyl phthalate	ND		7460	5080		ug/Kg	☼	68	33 - 129
1,4-Dioxane	ND		7460	4970		ug/Kg	☼	67	41 - 102
Fluoranthene	ND		7460	6170		ug/Kg	☼	83	40 - 120
Fluorene	ND		7460	6010		ug/Kg	☼	81	46 - 109
Hexachlorobenzene	ND		7460	6430		ug/Kg	☼	86	47 - 108
Hexachlorobutadiene	ND		7460	5500		ug/Kg	☼	74	43 - 107
Hexachlorocyclopentadiene	ND		7460	6470		ug/Kg	☼	87	23 - 129
Hexachloroethane	ND		7460	4930		ug/Kg	☼	66	37 - 97
Indeno[1,2,3-cd]pyrene	ND		7460	6070		ug/Kg	☼	81	41 - 125
Isophorone	ND		7460	5810		ug/Kg	☼	78	47 - 110
2-Methylnaphthalene	ND		7460	4980		ug/Kg	☼	67	45 - 100
2-Methylphenol	ND		7460	5410		ug/Kg	☼	72	40 - 104
Methylphenol, 3 & 4	ND		7460	5350		ug/Kg	☼	72	42 - 105
Naphthalene	ND		7460	5300		ug/Kg	☼	71	43 - 100
2-Nitroaniline	ND		7460	6990		ug/Kg	☼	94	45 - 117
3-Nitroaniline	ND		7460	5850		ug/Kg	☼	78	34 - 122
4-Nitroaniline	ND		7460	6260		ug/Kg	☼	84	38 - 123
Nitrobenzene	ND		7460	5870		ug/Kg	☼	79	43 - 104
2-Nitrophenol	ND		7460	6140		ug/Kg	☼	82	46 - 106
4-Nitrophenol	ND		14900	14100		ug/Kg	☼	95	36 - 127
N-Nitrosodi-n-propylamine	ND		7460	5180		ug/Kg	☼	70	42 - 107
N-Nitrosodiphenylamine	ND		7460	6290		ug/Kg	☼	84	44 - 111
2,2'-oxybis[1-chloropropane]	ND		7460	4890		ug/Kg	☼	66	36 - 101
Pentachlorophenol	ND		14900	13600		ug/Kg	☼	91	17 - 122
Phenanthrene	ND		7460	5720		ug/Kg	☼	77	43 - 108
Phenol	ND		7460	5430		ug/Kg	☼	73	41 - 102
Pyrene	ND		7460	5770		ug/Kg	☼	77	41 - 115
1,2,4,5-Tetrachlorobenzene	ND		7460	6190		ug/Kg	☼	83	30 - 125
2,3,4,6-Tetrachlorophenol	ND		7460	6160		ug/Kg	☼	83	38 - 113
2,4,5-Trichlorophenol	ND		7460	6360		ug/Kg	☼	85	48 - 108
2,4,6-Trichlorophenol	ND		7460	6540		ug/Kg	☼	88	50 - 106

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*35 - 105*
2-Fluorophenol (Surr)	*76*		*39 - 103*
Nitrobenzene-d5 (Surr)	*79*		*25 - 104*
Phenol-d5 (Surr)	*73*		*25 - 105*
Terphenyl-d14 (Surr)	*83*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*98*		*35 - 124*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35776-3 MSD
Matrix: Solid
Analysis Batch: 115715

Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115664

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		7410	5990		ug/Kg	☼	81	47 - 104	2	40
Acenaphthylene	ND		7410	5990		ug/Kg	☼	81	49 - 114	1	38
Acetophenone	ND		7410	4870		ug/Kg	☼	66	30 - 150	1	40
Anthracene	ND		7410	6020		ug/Kg	☼	81	45 - 112	2	42
Atrazine	ND		7410	6310		ug/Kg	☼	85	30 - 150	0	40
Benzaldehyde	ND		7410	1700	F1	ug/Kg	☼	23	30 - 150	1	40
Benzo[a]anthracene	ND		7410	5690		ug/Kg	☼	77	47 - 110	1	40
Benzo[a]pyrene	ND		7410	5920		ug/Kg	☼	80	47 - 112	3	42
Benzo[b]fluoranthene	ND		7410	5620		ug/Kg	☼	76	41 - 107	2	53
Benzo[g,h,i]perylene	ND		7410	6010		ug/Kg	☼	81	38 - 126	0	43
Benzo[k]fluoranthene	ND		7410	5500		ug/Kg	☼	74	44 - 115	2	44
1,1'-Biphenyl	ND		7410	6140		ug/Kg	☼	83	30 - 150	1	40
Bis(2-chloroethoxy)methane	ND		7410	5450		ug/Kg	☼	74	44 - 101	3	36
Bis(2-chloroethyl)ether	ND		7410	5280		ug/Kg	☼	71	38 - 99	3	43
Bis(2-ethylhexyl) phthalate	ND		7410	6640		ug/Kg	☼	90	40 - 122	1	41
4-Bromophenyl phenyl ether	ND		7410	6620		ug/Kg	☼	89	47 - 110	1	46
Butyl benzyl phthalate	ND		7410	6860		ug/Kg	☼	93	41 - 118	1	41
Caprolactam	ND		7410	5510		ug/Kg	☼	74	30 - 150	4	40
Carbazole	ND		7410	5980		ug/Kg	☼	81	45 - 114	1	36
4-Chloroaniline	ND		7410	4990		ug/Kg	☼	67	25 - 108	2	36
4-Chloro-3-methylphenol	ND		7410	5770		ug/Kg	☼	78	47 - 109	4	36
2-Chloronaphthalene	ND		7410	5770		ug/Kg	☼	78	46 - 101	3	40
2-Chlorophenol	ND		7410	5390		ug/Kg	☼	73	40 - 101	3	42
4-Chlorophenyl phenyl ether	ND		7410	5870		ug/Kg	☼	79	47 - 109	2	39
Chrysene	ND		7410	5790		ug/Kg	☼	78	46 - 111	0	39
Dibenz(a,h)anthracene	ND		7410	6170		ug/Kg	☼	83	39 - 127	1	45
Dibenzofuran	ND		7410	5720		ug/Kg	☼	77	46 - 104	1	38
3,3'-Dichlorobenzidine	ND		7410	5740		ug/Kg	☼	77	19 - 122	1	40
2,4-Dichlorophenol	ND		7410	5730		ug/Kg	☼	77	47 - 105	4	35
Diethyl phthalate	ND		7410	6570		ug/Kg	☼	89	47 - 115	0	38
2,4-Dimethylphenol	ND		7410	5270		ug/Kg	☼	71	44 - 105	4	49
Dimethyl phthalate	ND		7410	6250		ug/Kg	☼	84	49 - 111	0	37
Di-n-butyl phthalate	ND		7410	6560		ug/Kg	☼	89	43 - 121	2	38
4,6-Dinitro-2-methylphenol	ND		14800	13700		ug/Kg	☼	93	24 - 134	1	87
2,4-Dinitrophenol	ND		14800	12500		ug/Kg	☼	84	10 - 146	1	83
2,4-Dinitrotoluene	ND		7410	6740		ug/Kg	☼	91	45 - 124	0	41
2,6-Dinitrotoluene	ND		7410	6360		ug/Kg	☼	86	50 - 122	2	40
Di-n-octyl phthalate	ND		7410	5120		ug/Kg	☼	69	33 - 129	1	41
1,4-Dioxane	ND		7410	4990		ug/Kg	☼	67	41 - 102	0	35
Fluoranthene	ND		7410	6070		ug/Kg	☼	82	40 - 120	2	36
Fluorene	ND		7410	6140		ug/Kg	☼	83	46 - 109	2	40
Hexachlorobenzene	ND		7410	6370		ug/Kg	☼	86	47 - 108	1	43
Hexachlorobutadiene	ND		7410	5790		ug/Kg	☼	78	43 - 107	5	39
Hexachlorocyclopentadiene	ND		7410	6730		ug/Kg	☼	91	23 - 129	4	49
Hexachloroethane	ND		7410	4980		ug/Kg	☼	67	37 - 97	1	48
Indeno[1,2,3-cd]pyrene	ND		7410	6120		ug/Kg	☼	83	41 - 125	1	47
Isophorone	ND		7410	6030		ug/Kg	☼	81	47 - 110	4	37
2-Methylnaphthalene	ND		7410	5110		ug/Kg	☼	69	45 - 100	3	40

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35776-3 MSD
Matrix: Solid
Analysis Batch: 115715

Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115664

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylphenol	ND		7410	5550		ug/Kg	☼	75	40 - 104	3	41
Methylphenol, 3 & 4	ND		7410	5490		ug/Kg	☼	74	42 - 105	3	43
Naphthalene	ND		7410	5460		ug/Kg	☼	74	43 - 100	3	32
2-Nitroaniline	ND		7410	7010		ug/Kg	☼	95	45 - 117	0	42
3-Nitroaniline	ND		7410	5900		ug/Kg	☼	80	34 - 122	1	39
4-Nitroaniline	ND		7410	6250		ug/Kg	☼	84	38 - 123	0	40
Nitrobenzene	ND		7410	5920		ug/Kg	☼	80	43 - 104	1	33
2-Nitrophenol	ND		7410	6420		ug/Kg	☼	87	46 - 106	4	39
4-Nitrophenol	ND		14800	14200		ug/Kg	☼	96	36 - 127	1	43
N-Nitrosodi-n-propylamine	ND		7410	5270		ug/Kg	☼	71	42 - 107	2	43
N-Nitrosodiphenylamine	ND		7410	6320		ug/Kg	☼	85	44 - 111	0	40
2,2'-oxybis[1-chloropropane]	ND		7410	5070		ug/Kg	☼	68	36 - 101	4	41
Pentachlorophenol	ND		14800	13900		ug/Kg	☼	94	17 - 122	3	52
Phenanthrene	ND		7410	5780		ug/Kg	☼	78	43 - 108	1	39
Phenol	ND		7410	5470		ug/Kg	☼	74	41 - 102	1	39
Pyrene	ND		7410	5880		ug/Kg	☼	79	41 - 115	2	43
1,2,4,5-Tetrachlorobenzene	ND		7410	6390		ug/Kg	☼	86	30 - 125	3	25
2,3,4,6-Tetrachlorophenol	ND		7410	6330		ug/Kg	☼	85	38 - 113	3	83
2,4,5-Trichlorophenol	ND		7410	6300		ug/Kg	☼	85	48 - 108	1	44
2,4,6-Trichlorophenol	ND		7410	6680		ug/Kg	☼	90	50 - 106	2	42

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*35 - 105*
2-Fluorophenol (Surr)	*79*		*39 - 103*
Nitrobenzene-d5 (Surr)	*82*		*25 - 104*
Phenol-d5 (Surr)	*75*		*25 - 105*
Terphenyl-d14 (Surr)	*85*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*99*		*35 - 124*

Lab Sample ID: MB 180-115780/1-A
Matrix: Solid
Analysis Batch: 115860

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115780

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	6.4	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Acenaphthylene	ND		67	7.6	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Acetophenone	ND		330	27	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Anthracene	ND		67	6.5	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Atrazine	ND		330	32	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Benzaldehyde	ND		330	50	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Benzo[a]anthracene	ND		67	8.4	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Benzo[a]pyrene	ND		67	6.7	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Benzo[b]fluoranthene	ND		67	10	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Benzo[g,h,i]perylene	ND		67	6.6	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Benzo[k]fluoranthene	ND		67	13	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
1,1'-Biphenyl	ND		330	30	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Bis(2-chloroethoxy)methane	ND		330	22	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Bis(2-chloroethyl)ether	ND		67	9.0	ug/Kg		08/23/14 02:20	08/25/14 00:58	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-115780/1-A
Matrix: Solid
Analysis Batch: 115860

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115780

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		670	54	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
4-Bromophenyl phenyl ether	ND		330	29	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Butyl benzyl phthalate	ND		330	46	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Caprolactam	ND		1700	250	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Carbazole	ND		67	6.1	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
4-Chloroaniline	ND		330	27	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
4-Chloro-3-methylphenol	ND		330	31	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
2-Chloronaphthalene	ND		67	7.0	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
2-Chlorophenol	ND		330	27	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
4-Chlorophenyl phenyl ether	ND		330	37	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Chrysene	ND		67	7.9	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Dibenz(a,h)anthracene	ND		67	7.4	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Dibenzofuran	ND		330	33	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
3,3'-Dichlorobenzidine	ND		330	35	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
2,4-Dichlorophenol	ND		67	6.7	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Diethyl phthalate	ND		330	36	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
2,4-Dimethylphenol	ND		330	52	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Dimethyl phthalate	ND		330	36	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Di-n-butyl phthalate	ND		330	42	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
4,6-Dinitro-2-methylphenol	ND		1700	130	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
2,4-Dinitrophenol	ND		1700	400	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
2,4-Dinitrotoluene	ND		330	27	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
2,6-Dinitrotoluene	ND		330	34	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Di-n-octyl phthalate	ND		330	35	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
1,4-Dioxane	ND		670	38	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Fluoranthene	ND		67	7.1	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Fluorene	ND		67	8.8	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Hexachlorobenzene	ND		67	7.1	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Hexachlorobutadiene	ND		67	7.5	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Hexachlorocyclopentadiene	ND		330	36	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Hexachloroethane	ND		330	24	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Indeno[1,2,3-cd]pyrene	ND		67	6.9	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Isophorone	ND		330	25	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
2-Methylnaphthalene	ND		67	6.0	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
2-Methylphenol	ND		330	23	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Methylphenol, 3 & 4	ND		330	33	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Naphthalene	ND		67	5.7	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
2-Nitroaniline	ND		1700	150	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
3-Nitroaniline	ND		1700	140	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
4-Nitroaniline	ND		1700	140	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Nitrobenzene	ND		670	28	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
2-Nitrophenol	ND		330	37	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
4-Nitrophenol	ND		1700	120	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
N-Nitrosodi-n-propylamine	ND		67	7.8	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
N-Nitrosodiphenylamine	ND		330	31	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
2,2'-oxybis[1-chloropropane]	ND		67	7.2	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Pentachlorophenol	ND		330	30	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Phenanthrene	ND		67	11	ug/Kg		08/23/14 02:20	08/25/14 00:58	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-115780/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115860 **Prep Batch: 115780**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		67	7.9	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
Pyrene	ND		67	6.7	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
1,2,4,5-Tetrachlorobenzene	ND		330	25	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
2,3,4,6-Tetrachlorophenol	ND		330	21	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
2,4,5-Trichlorophenol	ND		330	36	ug/Kg		08/23/14 02:20	08/25/14 00:58	1
2,4,6-Trichlorophenol	ND		330	50	ug/Kg		08/23/14 02:20	08/25/14 00:58	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/23/14 02:20*	*08/25/14 00:58*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*35 - 105*	*08/23/14 02:20*	*08/25/14 00:58*	*1*
2-Fluorophenol (Surr)	*83*		*39 - 103*	*08/23/14 02:20*	*08/25/14 00:58*	*1*
Nitrobenzene-d5 (Surr)	*82*		*25 - 104*	*08/23/14 02:20*	*08/25/14 00:58*	*1*
Phenol-d5 (Surr)	*77*		*25 - 105*	*08/23/14 02:20*	*08/25/14 00:58*	*1*
Terphenyl-d14 (Surr)	*99*		*25 - 127*	*08/23/14 02:20*	*08/25/14 00:58*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 124*	*08/23/14 02:20*	*08/25/14 00:58*	*1*

Lab Sample ID: LCS 180-115780/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115992 **Prep Batch: 115780**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	6670	5330		ug/Kg		80	47 - 104
Acenaphthylene	6670	5110		ug/Kg		77	49 - 114
Acetophenone	6670	5680		ug/Kg		85	30 - 150
Anthracene	6670	5180		ug/Kg		78	45 - 112
Atrazine	6670	4730		ug/Kg		71	30 - 150
Benzaldehyde	6670	3710		ug/Kg		56	30 - 150
Benzo[a]anthracene	6670	5160		ug/Kg		77	47 - 110
Benzo[a]pyrene	6670	5060		ug/Kg		76	47 - 112
Benzo[b]fluoranthene	6670	4890		ug/Kg		73	41 - 107
Benzo[g,h,i]perylene	6670	5090		ug/Kg		76	38 - 126
Benzo[k]fluoranthene	6670	5410		ug/Kg		81	44 - 115
1,1'-Biphenyl	6670	5170		ug/Kg		78	30 - 150
Bis(2-chloroethoxy)methane	6670	5180		ug/Kg		78	44 - 101
Bis(2-chloroethyl)ether	6670	4860		ug/Kg		73	38 - 99
Bis(2-ethylhexyl) phthalate	6670	5450		ug/Kg		82	40 - 122
4-Bromophenyl phenyl ether	6670	5370		ug/Kg		81	47 - 110
Butyl benzyl phthalate	6670	5440		ug/Kg		82	41 - 118
Caprolactam	6670	5990		ug/Kg		90	30 - 150
Carbazole	6670	5100		ug/Kg		77	45 - 114
4-Chloroaniline	6670	5540		ug/Kg		83	25 - 108
4-Chloro-3-methylphenol	6670	5690		ug/Kg		85	47 - 109
2-Chloronaphthalene	6670	4740		ug/Kg		71	46 - 101
2-Chlorophenol	6670	5530		ug/Kg		83	40 - 101
4-Chlorophenyl phenyl ether	6670	5370		ug/Kg		80	47 - 109

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-115780/2-A
Matrix: Solid
Analysis Batch: 115992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115780

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chrysene	6670	5130		ug/Kg		77	46 - 111
Dibenz(a,h)anthracene	6670	5050		ug/Kg		76	39 - 127
Dibenzofuran	6670	5180		ug/Kg		78	46 - 104
3,3'-Dichlorobenzidine	6670	4810		ug/Kg		72	19 - 122
2,4-Dichlorophenol	6670	5460		ug/Kg		82	47 - 105
Diethyl phthalate	6670	5800		ug/Kg		87	47 - 115
2,4-Dimethylphenol	6670	5290		ug/Kg		79	44 - 105
Dimethyl phthalate	6670	5400		ug/Kg		81	49 - 111
Di-n-butyl phthalate	6670	5290		ug/Kg		79	43 - 121
4,6-Dinitro-2-methylphenol	13300	11200		ug/Kg		84	24 - 134
2,4-Dinitrophenol	13300	10700		ug/Kg		80	10 - 146
2,4-Dinitrotoluene	6670	5400		ug/Kg		81	45 - 124
2,6-Dinitrotoluene	6670	5510		ug/Kg		83	50 - 122
Di-n-octyl phthalate	6670	5910		ug/Kg		89	33 - 129
1,4-Dioxane	6670	4830		ug/Kg		72	41 - 102
Fluoranthene	6670	5180		ug/Kg		78	40 - 120
Fluorene	6670	5650		ug/Kg		85	46 - 109
Hexachlorobenzene	6670	5310		ug/Kg		80	47 - 108
Hexachlorobutadiene	6670	5560		ug/Kg		83	43 - 107
Hexachlorocyclopentadiene	6670	5850		ug/Kg		88	23 - 129
Hexachloroethane	6670	5160		ug/Kg		77	37 - 97
Indeno[1,2,3-cd]pyrene	6670	4980		ug/Kg		75	41 - 125
Isophorone	6670	5400		ug/Kg		81	47 - 110
2-Methylnaphthalene	6670	5320		ug/Kg		80	45 - 100
2-Methylphenol	6670	5880		ug/Kg		88	40 - 104
Methylphenol, 3 & 4	6670	5510		ug/Kg		83	42 - 105
Naphthalene	6670	5210		ug/Kg		78	43 - 100
2-Nitroaniline	6670	5420		ug/Kg		81	45 - 117
3-Nitroaniline	6670	5240		ug/Kg		79	34 - 122
4-Nitroaniline	6670	5420		ug/Kg		81	38 - 123
Nitrobenzene	6670	5210		ug/Kg		78	43 - 104
2-Nitrophenol	6670	5480		ug/Kg		82	46 - 106
4-Nitrophenol	13300	12900		ug/Kg		96	36 - 127
N-Nitrosodi-n-propylamine	6670	5620		ug/Kg		84	42 - 107
N-Nitrosodiphenylamine	6670	5180		ug/Kg		78	44 - 111
2,2'-oxybis[1-chloropropane]	6670	4890		ug/Kg		73	36 - 101
Pentachlorophenol	13300	10500		ug/Kg		79	17 - 122
Phenanthrene	6670	5280		ug/Kg		79	43 - 108
Phenol	6670	5420		ug/Kg		81	41 - 102
Pyrene	6670	5170		ug/Kg		78	41 - 115
1,2,4,5-Tetrachlorobenzene	6670	5300		ug/Kg		79	30 - 125
2,3,4,6-Tetrachlorophenol	6670	5280		ug/Kg		79	38 - 113
2,4,5-Trichlorophenol	6670	5510		ug/Kg		83	48 - 108
2,4,6-Trichlorophenol	6670	5360		ug/Kg		80	50 - 106

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*77*		*35 - 105*
2-Fluorophenol (Surr)	*81*		*39 - 103*

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-115780/2-A
Matrix: Solid
Analysis Batch: 115992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115780

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*79*		*25 - 104*
Phenol-d5 (Surr)	*81*		*25 - 105*
Terphenyl-d14 (Surr)	*80*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*75*		*35 - 124*

Lab Sample ID: 180-35776-14 MS
Matrix: Solid
Analysis Batch: 115860

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115780

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		7320	6950		ug/Kg	☼	95	47 - 104
Acenaphthylene	ND		7320	6960		ug/Kg	☼	95	49 - 114
Acetophenone	ND		7320	6260		ug/Kg	☼	86	30 - 150
Anthracene	ND		7320	6930		ug/Kg	☼	95	45 - 112
Atrazine	ND		7320	6670		ug/Kg	☼	91	30 - 150
Benzaldehyde	ND		7320	1580	F1	ug/Kg	☼	22	30 - 150
Benzo[a]anthracene	ND		7320	7020		ug/Kg	☼	96	47 - 110
Benzo[a]pyrene	ND		7320	6610		ug/Kg	☼	90	47 - 112
Benzo[b]fluoranthene	ND		7320	6690		ug/Kg	☼	91	41 - 107
Benzo[g,h,i]perylene	ND		7320	5820		ug/Kg	☼	79	38 - 126
Benzo[k]fluoranthene	ND		7320	6490		ug/Kg	☼	89	44 - 115
1,1'-Biphenyl	ND		7320	6760		ug/Kg	☼	92	30 - 150
Bis(2-chloroethoxy)methane	ND		7320	6270		ug/Kg	☼	86	44 - 101
Bis(2-chloroethyl)ether	ND		7320	5850		ug/Kg	☼	80	38 - 99
Bis(2-ethylhexyl) phthalate	ND		7320	8530		ug/Kg	☼	116	40 - 122
4-Bromophenyl phenyl ether	ND		7320	7330		ug/Kg	☼	100	47 - 110
Butyl benzyl phthalate	ND		7320	8400		ug/Kg	☼	115	41 - 118
Caprolactam	ND		7320	7110		ug/Kg	☼	97	30 - 150
Carbazole	ND		7320	6690		ug/Kg	☼	91	45 - 114
4-Chloroaniline	ND		7320	5630		ug/Kg	☼	77	25 - 108
4-Chloro-3-methylphenol	ND		7320	6910		ug/Kg	☼	94	47 - 109
2-Chloronaphthalene	ND		7320	6280		ug/Kg	☼	86	46 - 101
2-Chlorophenol	ND		7320	6040		ug/Kg	☼	83	40 - 101
4-Chlorophenyl phenyl ether	ND		7320	7310		ug/Kg	☼	100	47 - 109
Chrysene	ND		7320	6380		ug/Kg	☼	87	46 - 111
Dibenz(a,h)anthracene	ND		7320	6470		ug/Kg	☼	88	39 - 127
Dibenzofuran	ND		7320	6670		ug/Kg	☼	91	46 - 104
3,3'-Dichlorobenzidine	ND		7320	5510		ug/Kg	☼	75	19 - 122
2,4-Dichlorophenol	ND		7320	6600		ug/Kg	☼	90	47 - 105
Diethyl phthalate	ND		7320	7740		ug/Kg	☼	106	47 - 115
2,4-Dimethylphenol	ND		7320	5260		ug/Kg	☼	72	44 - 105
Dimethyl phthalate	ND		7320	7620		ug/Kg	☼	104	49 - 111
Di-n-butyl phthalate	ND		7320	7260		ug/Kg	☼	99	43 - 121
4,6-Dinitro-2-methylphenol	ND		14600	12000		ug/Kg	☼	82	24 - 134
2,4-Dinitrophenol	ND		14600	8130		ug/Kg	☼	55	10 - 146
2,4-Dinitrotoluene	ND		7320	7990		ug/Kg	☼	109	45 - 124
2,6-Dinitrotoluene	ND		7320	7340		ug/Kg	☼	100	50 - 122
Di-n-octyl phthalate	ND		7320	9710	F1	ug/Kg	☼	133	33 - 129

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35776-14 MS **Client Sample ID: SSHS-B82-2-6 (4)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115860 **Prep Batch: 115780**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	ND		7320	5600		ug/Kg	☼	76	41 - 102
Fluoranthene	ND		7320	6580		ug/Kg	☼	90	40 - 120
Fluorene	ND		7320	7570		ug/Kg	☼	103	46 - 109
Hexachlorobenzene	ND		7320	7210		ug/Kg	☼	98	47 - 108
Hexachlorobutadiene	ND		7320	7000		ug/Kg	☼	96	43 - 107
Hexachlorocyclopentadiene	ND		7320	5440		ug/Kg	☼	74	23 - 129
Hexachloroethane	ND		7320	6030		ug/Kg	☼	82	37 - 97
Indeno[1,2,3-cd]pyrene	ND		7320	6110		ug/Kg	☼	83	41 - 125
Isophorone	ND		7320	7340		ug/Kg	☼	100	47 - 110
2-Methylnaphthalene	ND		7320	6390		ug/Kg	☼	87	45 - 100
2-Methylphenol	ND		7320	6110		ug/Kg	☼	83	40 - 104
Methylphenol, 3 & 4	ND		7320	5650		ug/Kg	☼	77	42 - 105
Naphthalene	ND		7320	6250		ug/Kg	☼	85	43 - 100
2-Nitroaniline	ND		7320	8700	F1	ug/Kg	☼	119	45 - 117
3-Nitroaniline	ND		7320	7000		ug/Kg	☼	96	34 - 122
4-Nitroaniline	ND		7320	6790		ug/Kg	☼	93	38 - 123
Nitrobenzene	ND		7320	6740		ug/Kg	☼	92	43 - 104
2-Nitrophenol	ND		7320	7130		ug/Kg	☼	97	46 - 106
4-Nitrophenol	ND		14600	17800		ug/Kg	☼	122	36 - 127
N-Nitrosodi-n-propylamine	ND		7320	6570		ug/Kg	☼	90	42 - 107
N-Nitrosodiphenylamine	ND		7320	6660		ug/Kg	☼	91	44 - 111
2,2'-oxybis[1-chloropropane]	ND		7320	5720		ug/Kg	☼	78	36 - 101
Pentachlorophenol	ND		14600	9920		ug/Kg	☼	68	17 - 122
Phenanthrene	ND		7320	7080		ug/Kg	☼	97	43 - 108
Phenol	ND		7320	5580		ug/Kg	☼	76	41 - 102
Pyrene	ND		7320	7310		ug/Kg	☼	100	41 - 115
1,2,4,5-Tetrachlorobenzene	ND		7320	7160		ug/Kg	☼	98	30 - 125
2,3,4,6-Tetrachlorophenol	ND		7320	6520		ug/Kg	☼	89	38 - 113
2,4,5-Trichlorophenol	ND		7320	7160		ug/Kg	☼	98	48 - 108
2,4,6-Trichlorophenol	ND		7320	7030		ug/Kg	☼	96	50 - 106

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*93*		*35 - 105*
2-Fluorophenol (Surr)	*84*		*39 - 103*
Nitrobenzene-d5 (Surr)	*93*		*25 - 104*
Phenol-d5 (Surr)	*84*		*25 - 105*
Terphenyl-d14 (Surr)	*101*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*99*		*35 - 124*

Lab Sample ID: 180-35776-14 MSD **Client Sample ID: SSHS-B82-2-6 (4)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115860 **Prep Batch: 115780**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		7270	6500		ug/Kg	☼	89	47 - 104	7	40
Acenaphthylene	ND		7270	6740		ug/Kg	☼	93	49 - 114	3	38
Acetophenone	ND		7270	6220		ug/Kg	☼	85	30 - 150	1	40
Anthracene	ND		7270	6980		ug/Kg	☼	96	45 - 112	1	42

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35776-14 MSD
Matrix: Solid
Analysis Batch: 115860

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115780

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine	ND		7270	6490		ug/Kg	☼	89	30 - 150	3	40
Benzaldehyde	ND		7270	1740	F1	ug/Kg	☼	24	30 - 150	10	40
Benzo[a]anthracene	ND		7270	6930		ug/Kg	☼	95	47 - 110	1	40
Benzo[a]pyrene	ND		7270	6320		ug/Kg	☼	87	47 - 112	5	42
Benzo[b]fluoranthene	ND		7270	6200		ug/Kg	☼	85	41 - 107	8	53
Benzo[g,h,i]perylene	ND		7270	5620		ug/Kg	☼	77	38 - 126	3	43
Benzo[k]fluoranthene	ND		7270	6540		ug/Kg	☼	90	44 - 115	1	44
1,1'-Biphenyl	ND		7270	6550		ug/Kg	☼	90	30 - 150	3	40
Bis(2-chloroethoxy)methane	ND		7270	6100		ug/Kg	☼	84	44 - 101	3	36
Bis(2-chloroethyl)ether	ND		7270	5780		ug/Kg	☼	79	38 - 99	1	43
Bis(2-ethylhexyl) phthalate	ND		7270	8360		ug/Kg	☼	115	40 - 122	2	41
4-Bromophenyl phenyl ether	ND		7270	7240		ug/Kg	☼	100	47 - 110	1	46
Butyl benzyl phthalate	ND		7270	8370		ug/Kg	☼	115	41 - 118	0	41
Caprolactam	ND		7270	7200		ug/Kg	☼	99	30 - 150	1	40
Carbazole	ND		7270	6390		ug/Kg	☼	88	45 - 114	5	36
4-Chloroaniline	ND		7270	5810		ug/Kg	☼	80	25 - 108	3	36
4-Chloro-3-methylphenol	ND		7270	6760		ug/Kg	☼	93	47 - 109	2	36
2-Chloronaphthalene	ND		7270	5810		ug/Kg	☼	80	46 - 101	8	40
2-Chlorophenol	ND		7270	5960		ug/Kg	☼	82	40 - 101	1	42
4-Chlorophenyl phenyl ether	ND		7270	6910		ug/Kg	☼	95	47 - 109	6	39
Chrysene	ND		7270	6150		ug/Kg	☼	85	46 - 111	4	39
Dibenz(a,h)anthracene	ND		7270	6150		ug/Kg	☼	85	39 - 127	5	45
Dibenzofuran	ND		7270	6340		ug/Kg	☼	87	46 - 104	5	38
3,3'-Dichlorobenzidine	ND		7270	5580		ug/Kg	☼	77	19 - 122	1	40
2,4-Dichlorophenol	ND		7270	6620		ug/Kg	☼	91	47 - 105	0	35
Diethyl phthalate	ND		7270	7080		ug/Kg	☼	97	47 - 115	9	38
2,4-Dimethylphenol	ND		7270	5090		ug/Kg	☼	70	44 - 105	3	49
Dimethyl phthalate	ND		7270	7060		ug/Kg	☼	97	49 - 111	8	37
Di-n-butyl phthalate	ND		7270	7020		ug/Kg	☼	97	43 - 121	3	38
4,6-Dinitro-2-methylphenol	ND		14500	12300		ug/Kg	☼	84	24 - 134	3	87
2,4-Dinitrophenol	ND		14500	7520		ug/Kg	☼	52	10 - 146	8	83
2,4-Dinitrotoluene	ND		7270	7360		ug/Kg	☼	101	45 - 124	8	41
2,6-Dinitrotoluene	ND		7270	6920		ug/Kg	☼	95	50 - 122	6	40
Di-n-octyl phthalate	ND		7270	8930		ug/Kg	☼	123	33 - 129	8	41
1,4-Dioxane	ND		7270	5750		ug/Kg	☼	79	41 - 102	3	35
Fluoranthene	ND		7270	6350		ug/Kg	☼	87	40 - 120	3	36
Fluorene	ND		7270	6990		ug/Kg	☼	96	46 - 109	8	40
Hexachlorobenzene	ND		7270	7480		ug/Kg	☼	103	47 - 108	4	43
Hexachlorobutadiene	ND		7270	6940		ug/Kg	☼	95	43 - 107	1	39
Hexachlorocyclopentadiene	ND		7270	5210		ug/Kg	☼	72	23 - 129	4	49
Hexachloroethane	ND		7270	6070		ug/Kg	☼	83	37 - 97	1	48
Indeno[1,2,3-cd]pyrene	ND		7270	5670		ug/Kg	☼	78	41 - 125	7	47
Isophorone	ND		7270	7420		ug/Kg	☼	102	47 - 110	1	37
2-Methylnaphthalene	ND		7270	6300		ug/Kg	☼	87	45 - 100	1	40
2-Methylphenol	ND		7270	5910		ug/Kg	☼	81	40 - 104	3	41
Methylphenol, 3 & 4	ND		7270	5670		ug/Kg	☼	78	42 - 105	0	43
Naphthalene	ND		7270	6280		ug/Kg	☼	86	43 - 100	1	32
2-Nitroaniline	ND		7270	8040		ug/Kg	☼	110	45 - 117	8	42

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35776-14 MSD
Matrix: Solid
Analysis Batch: 115860

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115780

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
3-Nitroaniline	ND		7270	6270		ug/Kg	☼	86	34 - 122	11	39
4-Nitroaniline	ND		7270	6050		ug/Kg	☼	83	38 - 123	12	40
Nitrobenzene	ND		7270	6680		ug/Kg	☼	92	43 - 104	1	33
2-Nitrophenol	ND		7270	7180		ug/Kg	☼	99	46 - 106	1	39
4-Nitrophenol	ND		14500	16700		ug/Kg	☼	115	36 - 127	7	43
N-Nitrosodi-n-propylamine	ND		7270	6270		ug/Kg	☼	86	42 - 107	5	43
N-Nitrosodiphenylamine	ND		7270	6710		ug/Kg	☼	92	44 - 111	1	40
2,2'-oxybis[1-chloropropane]	ND		7270	5590		ug/Kg	☼	77	36 - 101	2	41
Pentachlorophenol	ND		14500	10000		ug/Kg	☼	69	17 - 122	1	52
Phenanthrene	ND		7270	6850		ug/Kg	☼	94	43 - 108	3	39
Phenol	ND		7270	5650		ug/Kg	☼	78	41 - 102	1	39
Pyrene	ND		7270	7210		ug/Kg	☼	99	41 - 115	1	43
1,2,4,5-Tetrachlorobenzene	ND		7270	6690		ug/Kg	☼	92	30 - 125	7	25
2,3,4,6-Tetrachlorophenol	ND		7270	5970		ug/Kg	☼	82	38 - 113	9	83
2,4,5-Trichlorophenol	ND		7270	6600		ug/Kg	☼	91	48 - 108	8	44
2,4,6-Trichlorophenol	ND		7270	6740		ug/Kg	☼	93	50 - 106	4	42

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*35 - 105*
2-Fluorophenol (Surr)	*84*		*39 - 103*
Nitrobenzene-d5 (Surr)	*93*		*25 - 104*
Phenol-d5 (Surr)	*84*		*25 - 105*
Terphenyl-d14 (Surr)	*99*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*100*		*35 - 124*

Lab Sample ID: MB 180-115881/1-A
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115881

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	6.4	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Acenaphthylene	ND		67	7.6	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Acetophenone	ND		330	27	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Anthracene	ND		67	6.5	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Atrazine	ND		330	32	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Benzaldehyde	ND		330	50	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Benzo[a]anthracene	ND		67	8.4	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Benzo[a]pyrene	ND		67	6.7	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Benzo[b]fluoranthene	ND		67	10	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Benzo[g,h,i]perylene	ND		67	6.6	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Benzo[k]fluoranthene	ND		67	13	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
1,1'-Biphenyl	ND		330	30	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Bis(2-chloroethoxy)methane	ND		330	22	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Bis(2-chloroethyl)ether	ND		67	9.0	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Bis(2-ethylhexyl) phthalate	ND		670	54	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
4-Bromophenyl phenyl ether	ND		330	29	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Butyl benzyl phthalate	ND		330	46	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Caprolactam	ND		1700	250	ug/Kg		08/25/14 03:00	08/25/14 10:54	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-115881/1-A
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115881

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		67	6.1	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
4-Chloroaniline	ND		330	27	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
4-Chloro-3-methylphenol	ND		330	31	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2-Chloronaphthalene	ND		67	7.0	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2-Chlorophenol	ND		330	27	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
4-Chlorophenyl phenyl ether	ND		330	37	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Chrysene	ND		67	7.9	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Dibenz(a,h)anthracene	ND		67	7.4	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Dibenzofuran	ND		330	33	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
3,3'-Dichlorobenzidine	ND		330	35	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2,4-Dichlorophenol	ND		67	6.7	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Diethyl phthalate	ND		330	36	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2,4-Dimethylphenol	ND		330	52	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Dimethyl phthalate	ND		330	36	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Di-n-butyl phthalate	ND		330	42	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
4,6-Dinitro-2-methylphenol	ND		1700	130	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2,4-Dinitrophenol	ND		1700	400	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2,4-Dinitrotoluene	ND		330	27	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2,6-Dinitrotoluene	ND		330	34	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Di-n-octyl phthalate	ND		330	35	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
1,4-Dioxane	ND		670	38	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Fluoranthene	ND		67	7.1	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Fluorene	ND		67	8.8	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Hexachlorobenzene	ND		67	7.1	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Hexachlorobutadiene	ND		67	7.5	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Hexachlorocyclopentadiene	ND		330	36	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Hexachloroethane	ND		330	24	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Indeno[1,2,3-cd]pyrene	ND		67	6.9	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Isophorone	ND		330	25	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2-Methylnaphthalene	ND		67	6.0	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2-Methylphenol	ND		330	23	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Methylphenol, 3 & 4	ND		330	33	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Naphthalene	ND		67	5.7	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2-Nitroaniline	ND		1700	150	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
3-Nitroaniline	ND		1700	140	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
4-Nitroaniline	ND		1700	140	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Nitrobenzene	ND		670	28	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2-Nitrophenol	ND		330	37	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
4-Nitrophenol	ND		1700	120	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
N-Nitrosodi-n-propylamine	ND		67	7.8	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
N-Nitrosodiphenylamine	ND		330	31	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2,2'-oxybis[1-chloropropane]	ND		67	7.2	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Pentachlorophenol	ND		330	30	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Phenanthrene	ND		67	11	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Phenol	ND		67	7.9	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Pyrene	ND		67	6.7	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
1,2,4,5-Tetrachlorobenzene	ND		330	25	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2,3,4,6-Tetrachlorophenol	ND		330	21	ug/Kg		08/25/14 03:00	08/25/14 10:54	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-115881/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115902
Prep Batch: 115881

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		330	36	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2,4,6-Trichlorophenol	ND		330	50	ug/Kg		08/25/14 03:00	08/25/14 10:54	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/25/14 03:00*	*08/25/14 10:54*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*08/25/14 03:00*	*08/25/14 10:54*	*1*
2-Fluorophenol (Surr)	*71*		*39 - 103*	*08/25/14 03:00*	*08/25/14 10:54*	*1*
Nitrobenzene-d5 (Surr)	*71*		*25 - 104*	*08/25/14 03:00*	*08/25/14 10:54*	*1*
Phenol-d5 (Surr)	*70*		*25 - 105*	*08/25/14 03:00*	*08/25/14 10:54*	*1*
Terphenyl-d14 (Surr)	*72*		*25 - 127*	*08/25/14 03:00*	*08/25/14 10:54*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*35 - 124*	*08/25/14 03:00*	*08/25/14 10:54*	*1*

Lab Sample ID: LCS 180-115881/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115902
Prep Batch: 115881

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	6670	4820		ug/Kg		72	47 - 104
Acenaphthylene	6670	4860		ug/Kg		73	49 - 114
Acetophenone	6670	4790		ug/Kg		72	30 - 150
Anthracene	6670	5020		ug/Kg		75	45 - 112
Atrazine	6670	4550		ug/Kg		68	30 - 150
Benzaldehyde	6670	7640		ug/Kg		115	30 - 150
Benzo[a]anthracene	6670	5160		ug/Kg		77	47 - 110
Benzo[a]pyrene	6670	5100		ug/Kg		77	47 - 112
Benzo[b]fluoranthene	6670	4930		ug/Kg		74	41 - 107
Benzo[g,h,i]perylene	6670	5430		ug/Kg		81	38 - 126
Benzo[k]fluoranthene	6670	4950		ug/Kg		74	44 - 115
1,1'-Biphenyl	6670	4610		ug/Kg		69	30 - 150
Bis(2-chloroethoxy)methane	6670	4530		ug/Kg		68	44 - 101
Bis(2-chloroethyl)ether	6670	4370		ug/Kg		66	38 - 99
Bis(2-ethylhexyl) phthalate	6670	5860		ug/Kg		88	40 - 122
4-Bromophenyl phenyl ether	6670	4810		ug/Kg		72	47 - 110
Butyl benzyl phthalate	6670	5870		ug/Kg		88	41 - 118
Caprolactam	6670	5950		ug/Kg		89	30 - 150
Carbazole	6670	5090		ug/Kg		76	45 - 114
4-Chloroaniline	6670	4710		ug/Kg		71	25 - 108
4-Chloro-3-methylphenol	6670	5570		ug/Kg		84	47 - 109
2-Chloronaphthalene	6670	4280		ug/Kg		64	46 - 101
2-Chlorophenol	6670	4700		ug/Kg		70	40 - 101
4-Chlorophenyl phenyl ether	6670	5000		ug/Kg		75	47 - 109
Chrysene	6670	5220		ug/Kg		78	46 - 111
Dibenz(a,h)anthracene	6670	5470		ug/Kg		82	39 - 127
Dibenzofuran	6670	4800		ug/Kg		72	46 - 104
3,3'-Dichlorobenzidine	6670	6060		ug/Kg		91	19 - 122

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-115881/2-A
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115881

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dichlorophenol	6670	5020		ug/Kg		75	47 - 105
Diethyl phthalate	6670	5080		ug/Kg		76	47 - 115
2,4-Dimethylphenol	6670	4940		ug/Kg		74	44 - 105
Dimethyl phthalate	6670	5060		ug/Kg		76	49 - 111
Di-n-butyl phthalate	6670	5350		ug/Kg		80	43 - 121
4,6-Dinitro-2-methylphenol	13300	10400		ug/Kg		78	24 - 134
2,4-Dinitrophenol	13300	10400		ug/Kg		78	10 - 146
2,4-Dinitrotoluene	6670	5780		ug/Kg		87	45 - 124
2,6-Dinitrotoluene	6670	5320		ug/Kg		80	50 - 122
Di-n-octyl phthalate	6670	5950		ug/Kg		89	33 - 129
1,4-Dioxane	6670	4410		ug/Kg		66	41 - 102
Fluoranthene	6670	5260		ug/Kg		79	40 - 120
Fluorene	6670	5210		ug/Kg		78	46 - 109
Hexachlorobenzene	6670	4840		ug/Kg		73	47 - 108
Hexachlorobutadiene	6670	4940		ug/Kg		74	43 - 107
Hexachlorocyclopentadiene	6670	4520		ug/Kg		68	23 - 129
Hexachloroethane	6670	4590		ug/Kg		69	37 - 97
Indeno[1,2,3-cd]pyrene	6670	5250		ug/Kg		79	41 - 125
Isophorone	6670	4910		ug/Kg		74	47 - 110
2-Methylnaphthalene	6670	4830		ug/Kg		72	45 - 100
2-Methylphenol	6670	4950		ug/Kg		74	40 - 104
Methylphenol, 3 & 4	6670	4820		ug/Kg		72	42 - 105
Naphthalene	6670	4640		ug/Kg		70	43 - 100
2-Nitroaniline	6670	5410		ug/Kg		81	45 - 117
3-Nitroaniline	6670	5450		ug/Kg		82	34 - 122
4-Nitroaniline	6670	5710		ug/Kg		86	38 - 123
Nitrobenzene	6670	4620		ug/Kg		69	43 - 104
2-Nitrophenol	6670	4940		ug/Kg		74	46 - 106
4-Nitrophenol	13300	12900		ug/Kg		97	36 - 127
N-Nitrosodi-n-propylamine	6670	4390		ug/Kg		66	42 - 107
N-Nitrosodiphenylamine	6670	5010		ug/Kg		75	44 - 111
2,2'-oxybis[1-chloropropane]	6670	3500		ug/Kg		52	36 - 101
Pentachlorophenol	13300	10700		ug/Kg		80	17 - 122
Phenanthrene	6670	5130		ug/Kg		77	43 - 108
Phenol	6670	4580		ug/Kg		69	41 - 102
Pyrene	6670	5210		ug/Kg		78	41 - 115
1,2,4,5-Tetrachlorobenzene	6670	4510		ug/Kg		68	30 - 125
2,3,4,6-Tetrachlorophenol	6670	5760		ug/Kg		86	38 - 113
2,4,5-Trichlorophenol	6670	5180		ug/Kg		78	48 - 108
2,4,6-Trichlorophenol	6670	5150		ug/Kg		77	50 - 106

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*68*		*35 - 105*
2-Fluorophenol (Surr)	*72*		*39 - 103*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*
Phenol-d5 (Surr)	*70*		*25 - 105*
Terphenyl-d14 (Surr)	*79*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*87*		*35 - 124*

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35776-25 MS
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115881

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	550		7530	6380		ug/Kg	☼	77	47 - 104
Acenaphthylene	42	J	7530	5860		ug/Kg	☼	77	49 - 114
Acetophenone	ND		7530	5850		ug/Kg	☼	78	30 - 150
Anthracene	710		7530	6630		ug/Kg	☼	79	45 - 112
Atrazine	ND		7530	5160		ug/Kg	☼	68	30 - 150
Benzaldehyde	ND		7530	1520	F1	ug/Kg	☼	20	30 - 150
Benzo[a]anthracene	1400		7530	7870		ug/Kg	☼	86	47 - 110
Benzo[a]pyrene	1300		7530	7080		ug/Kg	☼	77	47 - 112
Benzo[b]fluoranthene	1400		7530	6720		ug/Kg	☼	71	41 - 107
Benzo[g,h,i]perylene	960		7530	8180		ug/Kg	☼	96	38 - 126
Benzo[k]fluoranthene	590		7530	6010		ug/Kg	☼	72	44 - 115
1,1'-Biphenyl	98	J	7530	5640		ug/Kg	☼	74	30 - 150
Bis(2-chloroethoxy)methane	ND		7530	5680		ug/Kg	☼	75	44 - 101
Bis(2-chloroethyl)ether	ND		7530	5470		ug/Kg	☼	73	38 - 99
Bis(2-ethylhexyl) phthalate	220	J	7530	6570		ug/Kg	☼	84	40 - 122
4-Bromophenyl phenyl ether	ND		7530	5730		ug/Kg	☼	76	47 - 110
Butyl benzyl phthalate	ND		7530	6150		ug/Kg	☼	82	41 - 118
Caprolactam	ND		7530	6970		ug/Kg	☼	93	30 - 150
Carbazole	560		7530	6640		ug/Kg	☼	81	45 - 114
4-Chloroaniline	ND		7530	5470		ug/Kg	☼	73	25 - 108
4-Chloro-3-methylphenol	ND		7530	6590		ug/Kg	☼	87	47 - 109
2-Chloronaphthalene	ND		7530	5160		ug/Kg	☼	69	46 - 101
2-Chlorophenol	ND		7530	5720		ug/Kg	☼	76	40 - 101
4-Chlorophenyl phenyl ether	ND		7530	5820		ug/Kg	☼	77	47 - 109
Chrysene	1300		7530	8010		ug/Kg	☼	88	46 - 111
Dibenz(a,h)anthracene	180		7530	7160		ug/Kg	☼	93	39 - 127
Dibenzofuran	550		7530	6270		ug/Kg	☼	76	46 - 104
3,3'-Dichlorobenzidine	ND		7530	6160		ug/Kg	☼	82	19 - 122
2,4-Dichlorophenol	ND		7530	6010		ug/Kg	☼	80	47 - 105
Diethyl phthalate	ND		7530	6320		ug/Kg	☼	84	47 - 115
2,4-Dimethylphenol	ND		7530	6060		ug/Kg	☼	80	44 - 105
Dimethyl phthalate	ND		7530	6230		ug/Kg	☼	83	49 - 111
Di-n-butyl phthalate	ND		7530	5760		ug/Kg	☼	76	43 - 121
4,6-Dinitro-2-methylphenol	ND		15100	12400		ug/Kg	☼	83	24 - 134
2,4-Dinitrophenol	ND		15100	11100		ug/Kg	☼	73	10 - 146
2,4-Dinitrotoluene	ND		7530	7150		ug/Kg	☼	95	45 - 124
2,6-Dinitrotoluene	ND		7530	6340		ug/Kg	☼	84	50 - 122
Di-n-octyl phthalate	ND		7530	5690		ug/Kg	☼	76	33 - 129
1,4-Dioxane	ND		7530	5380		ug/Kg	☼	71	41 - 102
Fluoranthene	3500		7530	10200		ug/Kg	☼	89	40 - 120
Fluorene	400		7530	6560		ug/Kg	☼	82	46 - 109
Hexachlorobenzene	ND		7530	5560		ug/Kg	☼	74	47 - 108
Hexachlorobutadiene	ND		7530	6060		ug/Kg	☼	81	43 - 107
Hexachlorocyclopentadiene	ND		7530	4920		ug/Kg	☼	65	23 - 129
Hexachloroethane	ND		7530	5690		ug/Kg	☼	76	37 - 97
Indeno[1,2,3-cd]pyrene	790		7530	7580		ug/Kg	☼	90	41 - 125
Isophorone	ND		7530	5940		ug/Kg	☼	79	47 - 110
2-Methylnaphthalene	180		7530	6050		ug/Kg	☼	78	45 - 100

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35776-25 MS
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115881

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylphenol	ND		7530	5930		ug/Kg	☼	79	40 - 104
Methylphenol, 3 & 4	ND		7530	5790		ug/Kg	☼	77	42 - 105
Naphthalene	620		7530	6110		ug/Kg	☼	73	43 - 100
2-Nitroaniline	ND		7530	6540		ug/Kg	☼	87	45 - 117
3-Nitroaniline	ND		7530	6420		ug/Kg	☼	85	34 - 122
4-Nitroaniline	ND		7530	6470		ug/Kg	☼	86	38 - 123
Nitrobenzene	ND		7530	5710		ug/Kg	☼	76	43 - 104
2-Nitrophenol	ND		7530	6190		ug/Kg	☼	82	46 - 106
4-Nitrophenol	ND		15100	15100		ug/Kg	☼	100	36 - 127
N-Nitrosodi-n-propylamine	ND		7530	5310		ug/Kg	☼	71	42 - 107
N-Nitrosodiphenylamine	ND		7530	6070		ug/Kg	☼	81	44 - 111
2,2'-oxybis[1-chloropropane]	ND		7530	4280		ug/Kg	☼	57	36 - 101
Pentachlorophenol	ND		15100	11700		ug/Kg	☼	78	17 - 122
Phenanthrene	2500		7530	9200		ug/Kg	☼	89	43 - 108
Phenol	ND		7530	5570		ug/Kg	☼	74	41 - 102
Pyrene	2600		7530	8970		ug/Kg	☼	84	41 - 115
1,2,4,5-Tetrachlorobenzene	ND		7530	5510		ug/Kg	☼	73	30 - 125
2,3,4,6-Tetrachlorophenol	ND		7530	6630		ug/Kg	☼	88	38 - 113
2,4,5-Trichlorophenol	ND		7530	5980		ug/Kg	☼	79	48 - 108
2,4,6-Trichlorophenol	ND		7530	6260		ug/Kg	☼	83	50 - 106

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*35 - 105*
2-Fluorophenol (Surr)	*79*		*39 - 103*
Nitrobenzene-d5 (Surr)	*77*		*25 - 104*
Phenol-d5 (Surr)	*79*		*25 - 105*
Terphenyl-d14 (Surr)	*73*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*91*		*35 - 124*

Lab Sample ID: 180-35776-25 MSD
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115881

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	550		7530	6240		ug/Kg	☼	76	47 - 104	2	40
Acenaphthylene	42	J	7530	5610		ug/Kg	☼	74	49 - 114	4	38
Acetophenone	ND		7530	5560		ug/Kg	☼	74	30 - 150	5	40
Anthracene	710		7530	6450		ug/Kg	☼	76	45 - 112	3	42
Atrazine	ND		7530	5100		ug/Kg	☼	68	30 - 150	1	40
Benzaldehyde	ND		7530	1490	F1	ug/Kg	☼	20	30 - 150	2	40
Benzo[a]anthracene	1400		7530	7630		ug/Kg	☼	83	47 - 110	3	40
Benzo[a]pyrene	1300		7530	6880		ug/Kg	☼	75	47 - 112	3	42
Benzo[b]fluoranthene	1400		7530	6450		ug/Kg	☼	67	41 - 107	4	53
Benzo[g,h,i]perylene	960		7530	7980		ug/Kg	☼	93	38 - 126	3	43
Benzo[k]fluoranthene	590		7530	5780		ug/Kg	☼	69	44 - 115	4	44
1,1'-Biphenyl	98	J	7530	5490		ug/Kg	☼	72	30 - 150	3	40
Bis(2-chloroethoxy)methane	ND		7530	5400		ug/Kg	☼	72	44 - 101	5	36
Bis(2-chloroethyl)ether	ND		7530	5200		ug/Kg	☼	69	38 - 99	5	43

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35776-25 MSD
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115881

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	220	J	7530	6290		ug/Kg	☼	81	40 - 122	4	41
4-Bromophenyl phenyl ether	ND		7530	5660		ug/Kg	☼	75	47 - 110	1	46
Butyl benzyl phthalate	ND		7530	6010		ug/Kg	☼	80	41 - 118	2	41
Caprolactam	ND		7530	6740		ug/Kg	☼	89	30 - 150	3	40
Carbazole	560		7530	6410		ug/Kg	☼	78	45 - 114	4	36
4-Chloroaniline	ND		7530	5240		ug/Kg	☼	70	25 - 108	4	36
4-Chloro-3-methylphenol	ND		7530	6380		ug/Kg	☼	85	47 - 109	3	36
2-Chloronaphthalene	ND		7530	4990		ug/Kg	☼	66	46 - 101	3	40
2-Chlorophenol	ND		7530	5490		ug/Kg	☼	73	40 - 101	4	42
4-Chlorophenyl phenyl ether	ND		7530	5580		ug/Kg	☼	74	47 - 109	4	39
Chrysene	1300		7530	7710		ug/Kg	☼	84	46 - 111	4	39
Dibenz(a,h)anthracene	180		7530	7050		ug/Kg	☼	91	39 - 127	2	45
Dibenzofuran	550		7530	6080		ug/Kg	☼	73	46 - 104	3	38
3,3'-Dichlorobenzidine	ND		7530	5810		ug/Kg	☼	77	19 - 122	6	40
2,4-Dichlorophenol	ND		7530	5880		ug/Kg	☼	78	47 - 105	2	35
Diethyl phthalate	ND		7530	6110		ug/Kg	☼	81	47 - 115	3	38
2,4-Dimethylphenol	ND		7530	5780		ug/Kg	☼	77	44 - 105	5	49
Dimethyl phthalate	ND		7530	6070		ug/Kg	☼	81	49 - 111	3	37
Di-n-butyl phthalate	ND		7530	5810		ug/Kg	☼	77	43 - 121	1	38
4,6-Dinitro-2-methylphenol	ND		15100	11800		ug/Kg	☼	78	24 - 134	5	87
2,4-Dinitrophenol	ND		15100	10800		ug/Kg	☼	72	10 - 146	3	83
2,4-Dinitrotoluene	ND		7530	6880		ug/Kg	☼	91	45 - 124	4	41
2,6-Dinitrotoluene	ND		7530	6200		ug/Kg	☼	82	50 - 122	2	40
Di-n-octyl phthalate	ND		7530	5480		ug/Kg	☼	73	33 - 129	4	41
1,4-Dioxane	ND		7530	5310		ug/Kg	☼	70	41 - 102	1	35
Fluoranthene	3500		7530	10000		ug/Kg	☼	87	40 - 120	1	36
Fluorene	400		7530	6350		ug/Kg	☼	79	46 - 109	3	40
Hexachlorobenzene	ND		7530	5400		ug/Kg	☼	72	47 - 108	3	43
Hexachlorobutadiene	ND		7530	5940		ug/Kg	☼	79	43 - 107	2	39
Hexachlorocyclopentadiene	ND		7530	4750		ug/Kg	☼	63	23 - 129	3	49
Hexachloroethane	ND		7530	5440		ug/Kg	☼	72	37 - 97	5	48
Indeno[1,2,3-cd]pyrene	790		7530	7410		ug/Kg	☼	88	41 - 125	2	47
Isophorone	ND		7530	5690		ug/Kg	☼	76	47 - 110	4	37
2-Methylnaphthalene	180		7530	5700		ug/Kg	☼	73	45 - 100	6	40
2-Methylphenol	ND		7530	5730		ug/Kg	☼	76	40 - 104	3	41
Methylphenol, 3 & 4	ND		7530	5460		ug/Kg	☼	72	42 - 105	6	43
Naphthalene	620		7530	5920		ug/Kg	☼	70	43 - 100	3	32
2-Nitroaniline	ND		7530	6420		ug/Kg	☼	85	45 - 117	2	42
3-Nitroaniline	ND		7530	6330		ug/Kg	☼	84	34 - 122	1	39
4-Nitroaniline	ND		7530	6550		ug/Kg	☼	87	38 - 123	1	40
Nitrobenzene	ND		7530	5460		ug/Kg	☼	73	43 - 104	4	33
2-Nitrophenol	ND		7530	5910		ug/Kg	☼	79	46 - 106	5	39
4-Nitrophenol	ND		15100	14600		ug/Kg	☼	97	36 - 127	3	43
N-Nitrosodi-n-propylamine	ND		7530	5180		ug/Kg	☼	69	42 - 107	2	43
N-Nitrosodiphenylamine	ND		7530	5720		ug/Kg	☼	76	44 - 111	6	40
2,2'-oxybis[1-chloropropane]	ND		7530	4050		ug/Kg	☼	54	36 - 101	6	41
Pentachlorophenol	ND		15100	11600		ug/Kg	☼	77	17 - 122	1	52
Phenanthrene	2500		7530	8710		ug/Kg	☼	83	43 - 108	5	39

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35776-25 MSD
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115881

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenol	ND		7530	5430		ug/Kg	☼	72	41 - 102	3	39
Pyrene	2600		7530	8290		ug/Kg	☼	75	41 - 115	8	43
1,2,4,5-Tetrachlorobenzene	ND		7530	5440		ug/Kg	☼	72	30 - 125	1	25
2,3,4,6-Tetrachlorophenol	ND		7530	6520		ug/Kg	☼	87	38 - 113	2	83
2,4,5-Trichlorophenol	ND		7530	5990		ug/Kg	☼	80	48 - 108	0	44
2,4,6-Trichlorophenol	ND		7530	6100		ug/Kg	☼	81	50 - 106	3	42

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*35 - 105*
2-Fluorophenol (Surr)	*74*		*39 - 103*
Nitrobenzene-d5 (Surr)	*72*		*25 - 104*
Phenol-d5 (Surr)	*73*		*25 - 105*
Terphenyl-d14 (Surr)	*67*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*88*		*35 - 124*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-115772/1-A
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115772

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.30	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
alpha-BHC	ND		1.7	0.27	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
alpha-Chlordane	ND		1.7	0.33	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
beta-BHC	ND		1.7	0.43	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
4,4'-DDD	ND		1.7	0.22	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
delta-BHC	ND		1.7	0.26	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Dieldrin	ND		1.7	0.28	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Endosulfan I	ND		1.7	0.31	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Endosulfan II	ND		1.7	0.29	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Endosulfan sulfate	ND		1.7	0.17	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Endrin	ND		1.7	0.32	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Endrin aldehyde	ND		1.7	0.32	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Endrin ketone	ND		1.7	0.26	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
gamma-BHC (Lindane)	ND		1.7	0.29	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
gamma-Chlordane	ND		1.7	0.33	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Heptachlor	ND		1.7	0.37	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Heptachlor epoxide	ND		1.7	0.32	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Methoxychlor	ND		3.3	0.35	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Toxaphene	ND		67	11	ug/Kg		08/22/14 16:50	08/26/14 01:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:47*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:47*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 180-115772/1-A
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115772

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*97*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:47*	*1*
Tetrachloro-m-xylene	*94*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:47*	*1*

Lab Sample ID: LCS 180-115772/2-A
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115772

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	33.3	30.7		ug/Kg		92	70 - 123
alpha-BHC	33.3	29.9		ug/Kg		90	59 - 127
alpha-Chlordane	33.3	29.1		ug/Kg		87	71 - 130
beta-BHC	33.3	29.2		ug/Kg		87	70 - 138
4,4'-DDD	33.3	29.6		ug/Kg		89	65 - 135
4,4'-DDE	33.3	29.5		ug/Kg		88	70 - 133
4,4'-DDT	33.3	27.8		ug/Kg		83	10 - 140
delta-BHC	33.3	28.3		ug/Kg		85	40 - 124
Dieldrin	33.3	29.6		ug/Kg		89	70 - 123
Endosulfan I	33.3	30.5		ug/Kg		91	62 - 126
Endosulfan II	33.3	30.8		ug/Kg		92	65 - 128
Endosulfan sulfate	33.3	28.8		ug/Kg		87	55 - 140
Endrin	33.3	30.5		ug/Kg		91	70 - 127
Endrin aldehyde	33.3	30.5		ug/Kg		92	65 - 122
Endrin ketone	33.3	28.7		ug/Kg		86	59 - 132
gamma-BHC (Lindane)	33.3	29.9		ug/Kg		90	66 - 124
gamma-Chlordane	33.3	30.2		ug/Kg		91	68 - 123
Heptachlor	33.3	29.5		ug/Kg		88	70 - 128
Heptachlor epoxide	33.3	30.3		ug/Kg		91	69 - 131
Methoxychlor	33.3	26.8		ug/Kg		80	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*95*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*
Tetrachloro-m-xylene	*101*		*45 - 130*
Tetrachloro-m-xylene	*98*		*45 - 130*

Lab Sample ID: 180-35776-25 MS
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115772

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		37.9	31.1		ug/Kg	☼	82	70 - 123
alpha-BHC	ND		37.9	30.9		ug/Kg	☼	82	59 - 127
alpha-Chlordane	0.87	J	37.9	31.1		ug/Kg	☼	80	71 - 130
beta-BHC	ND		37.9	30.9		ug/Kg	☼	81	70 - 138
4,4'-DDD	0.45	J	37.9	32.1		ug/Kg	☼	84	65 - 135
4,4'-DDE	0.80	J	37.9	32.6		ug/Kg	☼	84	70 - 133
4,4'-DDT	ND		37.9	33.8		ug/Kg	☼	89	10 - 140
delta-BHC	0.30	J p	37.9	31.5		ug/Kg	☼	82	40 - 124

QC Sample Results

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35776-25 MS
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115772

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dieldrin	ND		37.9	30.8		ug/Kg	☼	81	70 - 123
Endosulfan I	ND		37.9	31.5		ug/Kg	☼	83	62 - 126
Endosulfan II	ND		37.9	31.3		ug/Kg	☼	83	65 - 128
Endosulfan sulfate	ND		37.9	31.4		ug/Kg	☼	83	55 - 140
Endrin	ND		37.9	33.0		ug/Kg	☼	87	70 - 127
Endrin aldehyde	ND		37.9	33.1		ug/Kg	☼	87	65 - 122
Endrin ketone	ND		37.9	31.5		ug/Kg	☼	83	59 - 132
gamma-BHC (Lindane)	0.61	J	37.9	32.5		ug/Kg	☼	84	66 - 124
gamma-Chlordane	1.2	J	37.9	32.3		ug/Kg	☼	82	68 - 123
Heptachlor	ND		37.9	31.2		ug/Kg	☼	82	70 - 128
Heptachlor epoxide	ND		37.9	31.5		ug/Kg	☼	83	69 - 131
Methoxychlor	ND		37.9	36.2		ug/Kg	☼	96	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*
Tetrachloro-m-xylene	*86*		*45 - 130*
Tetrachloro-m-xylene	*85*		*45 - 130*

Lab Sample ID: 180-35776-25 MSD
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115772

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		37.9	31.9		ug/Kg	☼	84	70 - 123	2	20
alpha-BHC	ND		37.9	32.5		ug/Kg	☼	86	59 - 127	5	20
alpha-Chlordane	0.87	J	37.9	31.7		ug/Kg	☼	81	71 - 130	2	20
beta-BHC	ND		37.9	31.1		ug/Kg	☼	82	70 - 138	1	20
4,4'-DDD	0.45	J	37.9	32.6		ug/Kg	☼	85	65 - 135	1	20
4,4'-DDE	0.80	J	37.9	32.5		ug/Kg	☼	84	70 - 133	0	20
4,4'-DDT	ND		37.9	33.5		ug/Kg	☼	88	10 - 140	1	37
delta-BHC	0.30	J p	37.9	32.9		ug/Kg	☼	86	40 - 124	4	20
Dieldrin	ND		37.9	31.7		ug/Kg	☼	84	70 - 123	3	20
Endosulfan I	ND		37.9	32.5		ug/Kg	☼	86	62 - 126	3	23
Endosulfan II	ND		37.9	31.4		ug/Kg	☼	83	65 - 128	0	33
Endosulfan sulfate	ND		37.9	32.3		ug/Kg	☼	85	55 - 140	3	26
Endrin	ND		37.9	32.1		ug/Kg	☼	85	70 - 127	3	20
Endrin aldehyde	ND		37.9	33.5		ug/Kg	☼	88	65 - 122	1	20
Endrin ketone	ND		37.9	32.1		ug/Kg	☼	85	59 - 132	2	20
gamma-BHC (Lindane)	0.61	J	37.9	33.1		ug/Kg	☼	86	66 - 124	2	20
gamma-Chlordane	1.2	J	37.9	32.5		ug/Kg	☼	82	68 - 123	1	24
Heptachlor	ND		37.9	31.4		ug/Kg	☼	83	70 - 128	1	20
Heptachlor epoxide	ND		37.9	31.7		ug/Kg	☼	83	69 - 131	0	20
Methoxychlor	ND		37.9	36.7		ug/Kg	☼	97	10 - 150	1	26

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35776-25 MSD
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115772

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*
Tetrachloro-m-xylene	*83*		*45 - 130*
Tetrachloro-m-xylene	*82*		*45 - 130*

Lab Sample ID: MB 180-115781/1-A
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115781

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.30	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
alpha-BHC	ND		1.7	0.27	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
alpha-Chlordane	ND		1.7	0.33	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
beta-BHC	ND		1.7	0.43	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
4,4'-DDD	ND		1.7	0.22	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
delta-BHC	ND		1.7	0.26	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
Dieldrin	ND		1.7	0.28	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
Endosulfan I	ND		1.7	0.31	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
Endosulfan II	ND		1.7	0.29	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
Endosulfan sulfate	ND		1.7	0.17	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
Endrin	ND		1.7	0.32	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
Endrin aldehyde	ND		1.7	0.32	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
Endrin ketone	ND		1.7	0.26	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
gamma-BHC (Lindane)	ND		1.7	0.29	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
gamma-Chlordane	ND		1.7	0.33	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
Heptachlor	ND		1.7	0.37	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
Heptachlor epoxide	ND		1.7	0.32	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
Methoxychlor	ND		3.3	0.35	ug/Kg		08/23/14 02:35	08/25/14 11:32	1
Toxaphene	ND		67	11	ug/Kg		08/23/14 02:35	08/25/14 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*45 - 130*	*08/23/14 02:35*	*08/25/14 11:32*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 130*	*08/23/14 02:35*	*08/25/14 11:32*	*1*
Tetrachloro-m-xylene	*99*		*45 - 130*	*08/23/14 02:35*	*08/25/14 11:32*	*1*
Tetrachloro-m-xylene	*98*		*45 - 130*	*08/23/14 02:35*	*08/25/14 11:32*	*1*

Lab Sample ID: LCS 180-115781/2-A
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115781

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	33.3	34.6		ug/Kg		104	70 - 123
alpha-BHC	33.3	33.4		ug/Kg		100	59 - 127
alpha-Chlordane	33.3	33.8		ug/Kg		101	71 - 130
beta-BHC	33.3	33.4		ug/Kg		100	70 - 138
4,4'-DDD	33.3	35.2		ug/Kg		105	65 - 135
4,4'-DDE	33.3	34.3		ug/Kg		103	70 - 133

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-115781/2-A
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115781

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDT			33.3	34.4		ug/Kg		103	10 - 140
delta-BHC			33.3	31.7		ug/Kg		95	40 - 124
Dieldrin			33.3	35.3		ug/Kg		106	70 - 123
Endosulfan I			33.3	36.0		ug/Kg		108	62 - 126
Endosulfan II			33.3	35.9		ug/Kg		108	65 - 128
Endosulfan sulfate			33.3	34.9		ug/Kg		105	55 - 140
Endrin			33.3	34.8		ug/Kg		104	70 - 127
Endrin aldehyde			33.3	35.8		ug/Kg		107	65 - 122
Endrin ketone			33.3	34.2		ug/Kg		103	59 - 132
gamma-BHC (Lindane)			33.3	33.9		ug/Kg		102	66 - 124
gamma-Chlordane			33.3	33.9		ug/Kg		102	68 - 123
Heptachlor			33.3	34.7		ug/Kg		104	70 - 128
Heptachlor epoxide			33.3	34.2		ug/Kg		103	69 - 131
Methoxychlor			33.3	32.6		ug/Kg		98	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*100*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*95*		*45 - 130*
Tetrachloro-m-xylene	*103*		*45 - 130*
Tetrachloro-m-xylene	*99*		*45 - 130*

Lab Sample ID: 180-35776-3 MS
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115781

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		37.0	30.2		ug/Kg	☼	82	70 - 123
alpha-BHC	ND		37.0	31.0		ug/Kg	☼	84	59 - 127
alpha-Chlordane	ND		37.0	27.6		ug/Kg	☼	75	71 - 130
beta-BHC	ND		37.0	27.6		ug/Kg	☼	74	70 - 138
4,4'-DDD	ND		37.0	29.9		ug/Kg	☼	81	65 - 135
4,4'-DDE	ND		37.0	29.7		ug/Kg	☼	80	70 - 133
4,4'-DDT	ND		37.0	29.1		ug/Kg	☼	78	10 - 140
delta-BHC	ND		37.0	27.7		ug/Kg	☼	75	40 - 124
Dieldrin	ND		37.0	28.7		ug/Kg	☼	77	70 - 123
Endosulfan I	ND		37.0	29.0		ug/Kg	☼	78	62 - 126
Endosulfan II	ND		37.0	27.2		ug/Kg	☼	73	65 - 128
Endosulfan sulfate	ND		37.0	28.4		ug/Kg	☼	77	55 - 140
Endrin	ND		37.0	29.3		ug/Kg	☼	79	70 - 127
Endrin aldehyde	ND		37.0	25.9		ug/Kg	☼	70	65 - 122
Endrin ketone	ND		37.0	27.4		ug/Kg	☼	74	59 - 132
gamma-BHC (Lindane)	ND		37.0	30.8		ug/Kg	☼	83	66 - 124
gamma-Chlordane	ND		37.0	28.8		ug/Kg	☼	78	68 - 123
Heptachlor	ND		37.0	30.9		ug/Kg	☼	83	70 - 128
Heptachlor epoxide	ND		37.0	29.0		ug/Kg	☼	78	69 - 131
Methoxychlor	ND		37.0	29.4		ug/Kg	☼	79	10 - 150

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35776-3 MS
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115781

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 130*
Tetrachloro-m-xylene	*89*		*45 - 130*
Tetrachloro-m-xylene	*87*		*45 - 130*

Lab Sample ID: 180-35776-3 MSD
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115781

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		37.0	31.7		ug/Kg	☼	85	70 - 123	5	20
alpha-BHC	ND		37.0	31.8		ug/Kg	☼	86	59 - 127	2	20
alpha-Chlordane	ND		37.0	29.7		ug/Kg	☼	80	71 - 130	7	20
beta-BHC	ND		37.0	30.2		ug/Kg	☼	82	70 - 138	9	20
4,4'-DDD	ND		37.0	31.9		ug/Kg	☼	86	65 - 135	6	20
4,4'-DDE	ND		37.0	33.1		ug/Kg	☼	89	70 - 133	11	20
4,4'-DDT	ND		37.0	32.2		ug/Kg	☼	87	10 - 140	10	37
delta-BHC	ND		37.0	30.4		ug/Kg	☼	82	40 - 124	9	20
Dieldrin	ND		37.0	31.9		ug/Kg	☼	86	70 - 123	11	20
Endosulfan I	ND		37.0	31.1		ug/Kg	☼	84	62 - 126	7	23
Endosulfan II	ND		37.0	29.5		ug/Kg	☼	80	65 - 128	8	33
Endosulfan sulfate	ND		37.0	30.1		ug/Kg	☼	81	55 - 140	6	26
Endrin	ND		37.0	32.2		ug/Kg	☼	87	70 - 127	10	20
Endrin aldehyde	ND		37.0	29.0		ug/Kg	☼	78	65 - 122	11	20
Endrin ketone	ND		37.0	30.0		ug/Kg	☼	81	59 - 132	9	20
gamma-BHC (Lindane)	ND		37.0	31.3		ug/Kg	☼	84	66 - 124	2	20
gamma-Chlordane	ND		37.0	30.9		ug/Kg	☼	83	68 - 123	7	24
Heptachlor	ND		37.0	32.0		ug/Kg	☼	86	70 - 128	4	20
Heptachlor epoxide	ND		37.0	31.0		ug/Kg	☼	84	69 - 131	6	20
Methoxychlor	ND		37.0	32.5		ug/Kg	☼	88	10 - 150	10	26

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*
Tetrachloro-m-xylene	*86*		*45 - 130*
Tetrachloro-m-xylene	*86*		*45 - 130*

Lab Sample ID: MB 180-115782/1-A
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115782

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.30	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
alpha-BHC	ND		1.7	0.27	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
alpha-Chlordane	ND		1.7	0.33	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
beta-BHC	ND		1.7	0.43	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
4,4'-DDD	ND		1.7	0.22	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		08/23/14 02:50	08/25/14 16:28	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 180-115782/1-A
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115782

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	ND		1.7	0.25	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
delta-BHC	ND		1.7	0.26	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
Dieldrin	ND		1.7	0.28	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
Endosulfan I	ND		1.7	0.31	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
Endosulfan II	ND		1.7	0.29	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
Endosulfan sulfate	ND		1.7	0.17	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
Endrin	ND		1.7	0.32	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
Endrin aldehyde	ND		1.7	0.32	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
Endrin ketone	ND		1.7	0.26	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
gamma-BHC (Lindane)	ND		1.7	0.29	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
gamma-Chlordane	ND		1.7	0.33	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
Heptachlor	ND		1.7	0.37	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
Heptachlor epoxide	ND		1.7	0.32	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
Methoxychlor	ND		3.3	0.35	ug/Kg		08/23/14 02:50	08/25/14 16:28	1
Toxaphene	ND		67	11	ug/Kg		08/23/14 02:50	08/25/14 16:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 130*	*08/23/14 02:50*	*08/25/14 16:28*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*08/23/14 02:50*	*08/25/14 16:28*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*08/23/14 02:50*	*08/25/14 16:28*	*1*
Tetrachloro-m-xylene	*95*		*45 - 130*	*08/23/14 02:50*	*08/25/14 16:28*	*1*

Lab Sample ID: LCS 180-115782/2-A
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115782

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	33.3	34.6		ug/Kg		104	70 - 123
alpha-BHC	33.3	33.3		ug/Kg		100	59 - 127
alpha-Chlordane	33.3	33.7		ug/Kg		101	71 - 130
beta-BHC	33.3	33.4		ug/Kg		100	70 - 138
4,4'-DDD	33.3	34.3		ug/Kg		103	65 - 135
4,4'-DDE	33.3	34.6		ug/Kg		104	70 - 133
4,4'-DDT	33.3	30.4		ug/Kg		91	10 - 140
delta-BHC	33.3	32.2		ug/Kg		96	40 - 124
Dieldrin	33.3	34.5		ug/Kg		104	70 - 123
Endosulfan I	33.3	35.6		ug/Kg		107	62 - 126
Endosulfan II	33.3	36.2		ug/Kg		109	65 - 128
Endosulfan sulfate	33.3	34.6		ug/Kg		104	55 - 140
Endrin	33.3	34.0		ug/Kg		102	70 - 127
Endrin aldehyde	33.3	36.0		ug/Kg		108	65 - 122
Endrin ketone	33.3	33.2		ug/Kg		100	59 - 132
gamma-BHC (Lindane)	33.3	33.3		ug/Kg		100	66 - 124
gamma-Chlordane	33.3	34.6		ug/Kg		104	68 - 123
Heptachlor	33.3	32.8		ug/Kg		98	70 - 128
Heptachlor epoxide	33.3	34.4		ug/Kg		103	69 - 131
Methoxychlor	33.3	29.9		ug/Kg		90	10 - 150

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-115782/2-A
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115782

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*102*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 130*
Tetrachloro-m-xylene	*100*		*45 - 130*
Tetrachloro-m-xylene	*98*		*45 - 130*

Lab Sample ID: 180-35776-14 MS
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115782

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		36.6	33.9		ug/Kg	☼	93	70 - 123
alpha-BHC	ND		36.6	33.1		ug/Kg	☼	91	59 - 127
alpha-Chlordane	ND		36.6	31.2		ug/Kg	☼	85	71 - 130
beta-BHC	ND		36.6	32.1		ug/Kg	☼	88	70 - 138
4,4'-DDD	ND		36.6	32.8		ug/Kg	☼	90	65 - 135
4,4'-DDE	ND		36.6	32.4		ug/Kg	☼	88	70 - 133
4,4'-DDT	ND		36.6	29.7		ug/Kg	☼	81	10 - 140
delta-BHC	ND		36.6	31.0		ug/Kg	☼	85	40 - 124
Dieldrin	ND		36.6	32.7		ug/Kg	☼	89	70 - 123
Endosulfan I	ND		36.6	32.6		ug/Kg	☼	89	62 - 126
Endosulfan II	ND		36.6	29.9		ug/Kg	☼	82	65 - 128
Endosulfan sulfate	ND		36.6	30.3		ug/Kg	☼	83	55 - 140
Endrin	ND		36.6	34.0		ug/Kg	☼	93	70 - 127
Endrin aldehyde	ND		36.6	28.2		ug/Kg	☼	77	65 - 122
Endrin ketone	ND		36.6	29.9		ug/Kg	☼	82	59 - 132
gamma-BHC (Lindane)	ND		36.6	33.6		ug/Kg	☼	92	66 - 124
gamma-Chlordane	ND		36.6	32.3		ug/Kg	☼	88	68 - 123
Heptachlor	ND		36.6	32.4		ug/Kg	☼	88	70 - 128
Heptachlor epoxide	ND		36.6	32.9		ug/Kg	☼	90	69 - 131
Methoxychlor	ND		36.6	28.4		ug/Kg	☼	78	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*
Tetrachloro-m-xylene	*93*		*45 - 130*
Tetrachloro-m-xylene	*91*		*45 - 130*

Lab Sample ID: 180-35776-14 MSD
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115782

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		36.4	36.7		ug/Kg	☼	101	70 - 123	8	20
alpha-BHC	ND		36.4	36.7		ug/Kg	☼	101	59 - 127	10	20
alpha-Chlordane	ND		36.4	35.6		ug/Kg	☼	98	71 - 130	13	20
beta-BHC	ND		36.4	34.9		ug/Kg	☼	96	70 - 138	9	20
4,4'-DDD	ND		36.4	37.7		ug/Kg	☼	104	65 - 135	14	20
4,4'-DDE	ND		36.4	37.5		ug/Kg	☼	103	70 - 133	15	20

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35776-14 MSD **Client Sample ID: SSHS-B82-2-6 (4)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115917 **Prep Batch: 115782**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDT	ND		36.4	34.8		ug/Kg	☼	96	10 - 140	16	37
delta-BHC	ND		36.4	35.0		ug/Kg	☼	96	40 - 124	12	20
Dieldrin	ND		36.4	37.0		ug/Kg	☼	102	70 - 123	12	20
Endosulfan I	ND		36.4	36.2		ug/Kg	☼	99	62 - 126	10	23
Endosulfan II	ND		36.4	35.2		ug/Kg	☼	97	65 - 128	16	33
Endosulfan sulfate	ND		36.4	35.6		ug/Kg	☼	98	55 - 140	16	26
Endrin	ND		36.4	37.2		ug/Kg	☼	102	70 - 127	9	20
Endrin aldehyde	ND		36.4	33.5		ug/Kg	☼	92	65 - 122	17	20
Endrin ketone	ND		36.4	34.6		ug/Kg	☼	95	59 - 132	15	20
gamma-BHC (Lindane)	ND		36.4	36.6		ug/Kg	☼	101	66 - 124	9	20
gamma-Chlordane	ND		36.4	34.8		ug/Kg	☼	96	68 - 123	8	24
Heptachlor	ND		36.4	35.0		ug/Kg	☼	96	70 - 128	8	20
Heptachlor epoxide	ND		36.4	35.3		ug/Kg	☼	97	69 - 131	7	20
Methoxychlor	ND		36.4	34.9		ug/Kg	☼	96	10 - 150	21	26

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*93*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*
Tetrachloro-m-xylene	*100*		*45 - 130*
Tetrachloro-m-xylene	*98*		*45 - 130*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-115772/1-C **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115942 **Prep Batch: 115772**

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/22/14 16:50*	*08/26/14 07:33*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*45 - 135*	*08/22/14 16:50*	*08/26/14 07:33*	*1*

Lab Sample ID: MB 180-115772/1-C **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115944 **Prep Batch: 115772**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg		08/22/14 16:50	08/26/14 08:04	1
PCB-1221	ND		17	3.2	ug/Kg		08/22/14 16:50	08/26/14 08:04	1
PCB-1232	ND		17	2.9	ug/Kg		08/22/14 16:50	08/26/14 08:04	1
PCB-1242	ND		17	2.7	ug/Kg		08/22/14 16:50	08/26/14 08:04	1
PCB-1248	ND		17	1.6	ug/Kg		08/22/14 16:50	08/26/14 08:04	1
PCB-1254	ND		17	2.4	ug/Kg		08/22/14 16:50	08/26/14 08:04	1
PCB-1260	ND		17	2.4	ug/Kg		08/22/14 16:50	08/26/14 08:04	1
PCB-1262	ND		17	3.7	ug/Kg		08/22/14 16:50	08/26/14 08:04	1
PCB-1268	ND		17	2.1	ug/Kg		08/22/14 16:50	08/26/14 08:04	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-115772/1-C
Matrix: Solid
Analysis Batch: 115944

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115772

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/22/14 16:50*	*08/26/14 08:04*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*	*08/22/14 16:50*	*08/26/14 08:04*	*1*

Lab Sample ID: LCS 180-115772/3-C
Matrix: Solid
Analysis Batch: 115942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115772

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*

Lab Sample ID: LCS 180-115772/3-C
Matrix: Solid
Analysis Batch: 115944

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115772

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1330	1060		ug/Kg		80	55 - 135
PCB-1260	1330	1030		ug/Kg		77	50 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*

Lab Sample ID: 180-35776-25 MS
Matrix: Solid
Analysis Batch: 115942

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115772

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*

Lab Sample ID: 180-35776-25 MS
Matrix: Solid
Analysis Batch: 115944

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115772

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		1520	1290		ug/Kg	☼	85	55 - 135
PCB-1260	ND		1520	1200		ug/Kg	☼	79	50 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*96*		*45 - 135*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-35776-25 MSD
Matrix: Solid
Analysis Batch: 115942

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115772

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*81*		*45 - 135*

Lab Sample ID: 180-35776-25 MSD
Matrix: Solid
Analysis Batch: 115944

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115772

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1520	1220		ug/Kg	☼	81	55 - 135	5	20
PCB-1260	ND		1520	1200		ug/Kg	☼	79	50 - 140	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*

Lab Sample ID: MB 180-115781/1-C
Matrix: Solid
Analysis Batch: 115949

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115781

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*	*08/23/14 02:35*	*08/25/14 15:29*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*	*08/23/14 02:35*	*08/25/14 15:29*	*1*

Lab Sample ID: MB 180-115781/1-C
Matrix: Solid
Analysis Batch: 115951

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115781

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg		08/23/14 02:35	08/25/14 16:01	1
PCB-1221	ND		17	3.2	ug/Kg		08/23/14 02:35	08/25/14 16:01	1
PCB-1232	ND		17	2.9	ug/Kg		08/23/14 02:35	08/25/14 16:01	1
PCB-1242	ND		17	2.7	ug/Kg		08/23/14 02:35	08/25/14 16:01	1
PCB-1248	ND		17	1.6	ug/Kg		08/23/14 02:35	08/25/14 16:01	1
PCB-1254	ND		17	2.4	ug/Kg		08/23/14 02:35	08/25/14 16:01	1
PCB-1260	ND		17	2.4	ug/Kg		08/23/14 02:35	08/25/14 16:01	1
PCB-1262	ND		17	3.7	ug/Kg		08/23/14 02:35	08/25/14 16:01	1
PCB-1268	ND		17	2.1	ug/Kg		08/23/14 02:35	08/25/14 16:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 125*	*08/23/14 02:35*	*08/25/14 16:01*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*	*08/23/14 02:35*	*08/25/14 16:01*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-115781/5-C
Matrix: Solid
Analysis Batch: 115949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115781

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*

Lab Sample ID: LCS 180-115781/5-C
Matrix: Solid
Analysis Batch: 115951

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115781

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016			1330	1320		ug/Kg		99	55 - 135
PCB-1260			1330	1260		ug/Kg		95	50 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*95*		*45 - 135*

Lab Sample ID: 180-35776-3 MS
Matrix: Solid
Analysis Batch: 115949

Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115781

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*

Lab Sample ID: 180-35776-3 MS
Matrix: Solid
Analysis Batch: 115951

Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115781

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		1490	1110		ug/Kg	☼	75	55 - 135
PCB-1260	ND		1490	878		ug/Kg	☼	59	50 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*59*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*75*		*45 - 135*

Lab Sample ID: 180-35776-3 MSD
Matrix: Solid
Analysis Batch: 115949

Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115781

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*61*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*65*		*45 - 135*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-35776-3 MSD
Matrix: Solid
Analysis Batch: 115951

Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115781

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1480	996		ug/Kg	☼	67	55 - 135	11	20
PCB-1260	ND		1480	923		ug/Kg	☼	62	50 - 140	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*65*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*65*		*45 - 135*

Lab Sample ID: MB 180-115782/1-C
Matrix: Solid
Analysis Batch: 115942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115782

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg		08/23/14 02:50	08/25/14 13:43	1
PCB-1221	ND		17	3.2	ug/Kg		08/23/14 02:50	08/25/14 13:43	1
PCB-1232	ND		17	2.9	ug/Kg		08/23/14 02:50	08/25/14 13:43	1
PCB-1242	ND		17	2.7	ug/Kg		08/23/14 02:50	08/25/14 13:43	1
PCB-1248	ND		17	1.6	ug/Kg		08/23/14 02:50	08/25/14 13:43	1
PCB-1254	ND		17	2.4	ug/Kg		08/23/14 02:50	08/25/14 13:43	1
PCB-1260	ND		17	2.4	ug/Kg		08/23/14 02:50	08/25/14 13:43	1
PCB-1262	ND		17	3.7	ug/Kg		08/23/14 02:50	08/25/14 13:43	1
PCB-1268	ND		17	2.1	ug/Kg		08/23/14 02:50	08/25/14 13:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/23/14 02:50*	*08/25/14 13:43*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*	*08/23/14 02:50*	*08/25/14 13:43*	*1*

Lab Sample ID: MB 180-115782/1-C
Matrix: Solid
Analysis Batch: 115944

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115782

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/23/14 02:50*	*08/25/14 14:14*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*	*08/23/14 02:50*	*08/25/14 14:14*	*1*

Lab Sample ID: LCS 180-115782/5-C
Matrix: Solid
Analysis Batch: 115942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115782

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*84*		*45 - 135*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-115782/5-C
Matrix: Solid
Analysis Batch: 115944

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115782

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1330	1140		ug/Kg		86	55 - 135		
PCB-1260			1330	1100		ug/Kg		83	50 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*

Lab Sample ID: 180-35776-14 MS
Matrix: Solid
Analysis Batch: 115942

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115782

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*

Lab Sample ID: 180-35776-14 MS
Matrix: Solid
Analysis Batch: 115944

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115782

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		1450	1160		ug/Kg	☼	80	55 - 135		
PCB-1260	ND		1450	1100		ug/Kg	☼	76	50 - 140		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*

Lab Sample ID: 180-35776-14 MSD
Matrix: Solid
Analysis Batch: 115942

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115782

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*

Lab Sample ID: 180-35776-14 MSD
Matrix: Solid
Analysis Batch: 115944

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115782

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1450	1030		ug/Kg	☼	71	55 - 135	12	20
PCB-1260	ND		1450	963		ug/Kg	☼	66	50 - 140	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*77*		*45 - 135*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 180-115461/1-A
Matrix: Solid
Analysis Batch: 116139

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	2.0	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Antimony	ND		0.98	0.20	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Arsenic	ND		0.98	0.30	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Barium	ND		20	0.013	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Beryllium	ND		0.39	0.011	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Cadmium	0.0176	J	0.49	0.014	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Calcium	ND		490	1.5	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Chromium	ND		0.49	0.076	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Cobalt	ND		4.9	0.041	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Copper	ND		2.5	0.14	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Iron	ND		9.8	0.87	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Lead	ND		0.98	0.10	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Magnesium	ND		490	2.0	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Manganese	ND		1.5	0.087	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Nickel	0.0471	J	3.9	0.047	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Potassium	8.43	J	490	6.3	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Selenium	ND		0.98	0.26	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Silver	ND		0.49	0.040	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Sodium	4.82	J	490	1.0	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Thallium	ND		2.0	0.14	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Vanadium	ND		4.9	0.17	mg/Kg		08/20/14 13:51	08/26/14 12:53	1
Zinc	0.132	J	2.0	0.10	mg/Kg		08/20/14 13:51	08/26/14 12:53	1

Lab Sample ID: LCS 180-115461/2-A
Matrix: Solid
Analysis Batch: 116139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115461

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	196	195		mg/Kg		99	80 - 120
Antimony	49.0	50.3		mg/Kg		103	80 - 120
Arsenic	49.0	51.9		mg/Kg		106	80 - 120
Barium	196	198		mg/Kg		101	80 - 120
Beryllium	4.90	4.98		mg/Kg		102	80 - 120
Cadmium	4.90	4.72		mg/Kg		96	80 - 120
Calcium	4900	4960		mg/Kg		101	80 - 120
Chromium	19.6	19.8		mg/Kg		101	80 - 120
Cobalt	49.0	49.6		mg/Kg		101	80 - 120
Copper	24.5	23.8		mg/Kg		97	80 - 120
Iron	98.0	101		mg/Kg		103	80 - 120
Lead	49.0	48.4		mg/Kg		99	80 - 120
Magnesium	4900	4910		mg/Kg		100	80 - 120
Manganese	49.0	46.9		mg/Kg		96	80 - 120
Nickel	49.0	49.3		mg/Kg		101	80 - 120
Potassium	4900	4900		mg/Kg		100	80 - 120
Selenium	49.0	49.8		mg/Kg		102	80 - 120
Silver	4.90	4.91		mg/Kg		100	80 - 120
Sodium	4900	5020		mg/Kg		102	80 - 120
Thallium	49.0	47.1		mg/Kg		96	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-115461/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116139 **Prep Batch: 115461**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	49.0	52.3		mg/Kg		107	80 - 120
Zinc	49.0	49.2		mg/Kg		100	80 - 120

Lab Sample ID: 180-35776-3 MS **Client Sample ID: SSHS-B86-6-10 (8)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116139 **Prep Batch: 115461**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8800		224	10500	4	mg/Kg	☼	749	75 - 125
Antimony	ND		55.9	35.2	F1	mg/Kg	☼	63	75 - 125
Arsenic	9.5		55.9	55.7		mg/Kg	☼	83	75 - 125
Barium	100		224	268	F1	mg/Kg	☼	74	75 - 125
Beryllium	0.38	J	5.59	4.90		mg/Kg	☼	81	75 - 125
Cadmium	0.092	J B	5.59	4.34		mg/Kg	☼	76	75 - 125
Calcium	1100		5590	5620		mg/Kg	☼	81	75 - 125
Chromium	11		22.4	29.7		mg/Kg	☼	82	75 - 125
Cobalt	8.5		55.9	61.4		mg/Kg	☼	95	75 - 125
Copper	22		28.0	48.9		mg/Kg	☼	95	75 - 125
Iron	20000		112	19900	4	mg/Kg	☼	76	75 - 125
Lead	11		55.9	62.3		mg/Kg	☼	92	75 - 125
Magnesium	2400		5590	6980		mg/Kg	☼	83	75 - 125
Manganese	550		55.9	582	4	mg/Kg	☼	57	75 - 125
Nickel	20	B	55.9	73.1		mg/Kg	☼	96	75 - 125
Potassium	680	B	5590	5380		mg/Kg	☼	84	75 - 125
Selenium	0.31	J	55.9	44.4		mg/Kg	☼	79	75 - 125
Silver	ND		5.59	4.52		mg/Kg	☼	81	75 - 125
Sodium	260	J B	5590	4820		mg/Kg	☼	81	75 - 125
Thallium	0.26	J	55.9	49.5		mg/Kg	☼	88	75 - 125
Vanadium	13		55.9	62.9		mg/Kg	☼	88	75 - 125
Zinc	72	B	55.9	118		mg/Kg	☼	82	75 - 125

Lab Sample ID: 180-35776-3 MSD **Client Sample ID: SSHS-B86-6-10 (8)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116139 **Prep Batch: 115461**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	8800		222	10200	4	mg/Kg	☼	617	75 - 125	3	20
Antimony	ND		55.4	34.3	F1	mg/Kg	☼	62	75 - 125	3	20
Arsenic	9.5		55.4	54.4		mg/Kg	☼	81	75 - 125	2	20
Barium	100		222	265	F1	mg/Kg	☼	74	75 - 125	1	20
Beryllium	0.38	J	5.54	4.83		mg/Kg	☼	80	75 - 125	1	20
Cadmium	0.092	J B	5.54	4.26		mg/Kg	☼	75	75 - 125	2	20
Calcium	1100		5540	5670		mg/Kg	☼	83	75 - 125	1	20
Chromium	11		22.2	28.2		mg/Kg	☼	76	75 - 125	5	20
Cobalt	8.5		55.4	59.6		mg/Kg	☼	92	75 - 125	3	20
Copper	22		27.7	43.8		mg/Kg	☼	77	75 - 125	11	20
Iron	20000		111	19800	4	mg/Kg	☼	-27	75 - 125	1	20
Lead	11		55.4	64.3		mg/Kg	☼	96	75 - 125	3	20
Magnesium	2400		5540	6940		mg/Kg	☼	83	75 - 125	1	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35776-3 MSD **Client Sample ID: SSHS-B86-6-10 (8)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116139 **Prep Batch: 115461**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Manganese	550		55.4	775	4 F2	mg/Kg	☼	407	75 - 125	28	20
Nickel	20	B	55.4	72.0		mg/Kg	☼	95	75 - 125	2	20
Potassium	680	B	5540	5260		mg/Kg	☼	83	75 - 125	2	20
Selenium	0.31	J	55.4	43.4		mg/Kg	☼	78	75 - 125	2	20
Silver	ND		5.54	4.43		mg/Kg	☼	80	75 - 125	2	20
Sodium	260	J B	5540	4690		mg/Kg	☼	80	75 - 125	3	20
Thallium	0.26	J	55.4	48.4		mg/Kg	☼	87	75 - 125	2	20
Vanadium	13		55.4	62.1		mg/Kg	☼	88	75 - 125	1	20
Zinc	72	B	55.4	100	F1	mg/Kg	☼	50	75 - 125	17	20

Lab Sample ID: MB 180-115463/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116139 **Prep Batch: 115463**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		19	2.0	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Antimony	ND		0.94	0.19	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Arsenic	ND		0.94	0.29	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Barium	0.0415	J	19	0.012	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Beryllium	ND		0.38	0.011	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Cadmium	ND		0.47	0.013	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Calcium	8.64	J	470	1.4	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Chromium	ND		0.47	0.073	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Cobalt	ND		4.7	0.039	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Copper	ND		2.4	0.14	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Iron	4.17	J	9.4	0.84	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Lead	ND		0.94	0.096	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Magnesium	4.57	J	470	1.9	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Manganese	ND		1.4	0.084	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Nickel	ND		3.8	0.045	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Potassium	6.53	J	470	6.0	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Selenium	ND		0.94	0.25	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Silver	ND		0.47	0.038	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Sodium	5.04	J	470	1.0	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Thallium	ND		1.9	0.14	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Vanadium	ND		4.7	0.16	mg/Kg		08/20/14 13:59	08/26/14 18:44	1
Zinc	0.239	J	1.9	0.097	mg/Kg		08/20/14 13:59	08/26/14 18:44	1

Lab Sample ID: LCS 180-115463/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116139 **Prep Batch: 115463**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	200	167		mg/Kg		84	80 - 120
Antimony	50.0	42.4		mg/Kg		85	80 - 120
Arsenic	50.0	42.7		mg/Kg		85	80 - 120
Barium	200	164		mg/Kg		82	80 - 120
Beryllium	5.00	4.19		mg/Kg		84	80 - 120
Cadmium	5.00	4.02		mg/Kg		80	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-115463/2-A
Matrix: Solid
Analysis Batch: 116139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115463

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	5000	4220		mg/Kg		84	80 - 120
Chromium	20.0	16.4		mg/Kg		82	80 - 120
Cobalt	50.0	41.4		mg/Kg		83	80 - 120
Copper	25.0	20.5		mg/Kg		82	80 - 120
Iron	100	86.3		mg/Kg		86	80 - 120
Lead	50.0	40.2		mg/Kg		80	80 - 120
Magnesium	5000	4210		mg/Kg		84	80 - 120
Manganese	50.0	41.1		mg/Kg		82	80 - 120
Nickel	50.0	41.5		mg/Kg		83	80 - 120
Potassium	5000	4060		mg/Kg		81	80 - 120
Selenium	50.0	41.0		mg/Kg		82	80 - 120
Silver	5.00	4.21		mg/Kg		84	80 - 120
Sodium	5000	4180		mg/Kg		84	80 - 120
Vanadium	50.0	42.7		mg/Kg		85	80 - 120
Zinc	50.0	41.3		mg/Kg		83	80 - 120

Lab Sample ID: LCS 180-115463/2-A
Matrix: Solid
Analysis Batch: 116214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115463

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	50.0	39.9		mg/Kg		80	80 - 120

Lab Sample ID: 180-35776-14 MS
Matrix: Solid
Analysis Batch: 116139

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115463

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	6000		211	8920	4	mg/Kg	☼	1393	75 - 125
Antimony	ND		52.8	32.6	F1	mg/Kg	☼	62	75 - 125
Arsenic	7.2		52.8	50.1		mg/Kg	☼	81	75 - 125
Barium	43	B	211	223		mg/Kg	☼	85	75 - 125
Beryllium	0.28	J	5.28	4.61		mg/Kg	☼	82	75 - 125
Cadmium	0.071	J	5.28	4.12		mg/Kg	☼	77	75 - 125
Calcium	8800	B	5280	11400	F1	mg/Kg	☼	49	75 - 125
Chromium	7.7		21.1	26.1		mg/Kg	☼	87	75 - 125
Cobalt	4.8	J	52.8	52.6		mg/Kg	☼	91	75 - 125
Copper	18		26.4	41.1		mg/Kg	☼	87	75 - 125
Iron	14000	B	106	16100	4	mg/Kg	☼	1756	75 - 125
Lead	9.3		52.8	55.9		mg/Kg	☼	88	75 - 125
Magnesium	4400	B	5280	8660		mg/Kg	☼	82	75 - 125
Manganese	520		52.8	593	4	mg/Kg	☼	136	75 - 125
Nickel	12		52.8	61.4		mg/Kg	☼	93	75 - 125
Potassium	530	J B	5280	4930		mg/Kg	☼	83	75 - 125
Selenium	0.30	J	52.8	41.8		mg/Kg	☼	79	75 - 125
Silver	ND		5.28	4.38		mg/Kg	☼	83	75 - 125
Sodium	130	J B	5280	4500		mg/Kg	☼	83	75 - 125
Thallium	ND		52.8	43.3		mg/Kg	☼	82	75 - 125
Vanadium	9.9		52.8	59.0		mg/Kg	☼	93	75 - 125

QC Sample Results

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35776-14 MS
Matrix: Solid
Analysis Batch: 116139

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115463

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	53	B	52.8	92.1		mg/Kg	☼	75	75 - 125

Lab Sample ID: 180-35776-14 MSD
Matrix: Solid
Analysis Batch: 116139

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115463

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	6000		209	8880	4	mg/Kg	☼	1389	75 - 125	0	20
Antimony	ND		52.3	33.0	F1	mg/Kg	☼	63	75 - 125	1	20
Arsenic	7.2		52.3	51.4		mg/Kg	☼	85	75 - 125	3	20
Barium	43	B	209	225		mg/Kg	☼	87	75 - 125	1	20
Beryllium	0.28	J	5.23	4.75		mg/Kg	☼	85	75 - 125	3	20
Cadmium	0.071	J	5.23	4.24		mg/Kg	☼	80	75 - 125	3	20
Calcium	8800	B	5230	13900		mg/Kg	☼	98	75 - 125	20	20
Chromium	7.7		20.9	26.0		mg/Kg	☼	87	75 - 125	1	20
Cobalt	4.8	J	52.3	54.2		mg/Kg	☼	94	75 - 125	3	20
Copper	18		26.2	41.0		mg/Kg	☼	87	75 - 125	0	20
Iron	14000	B	105	15100	4	mg/Kg	☼	801	75 - 125	6	20
Lead	9.3		52.3	58.4		mg/Kg	☼	94	75 - 125	4	20
Magnesium	4400	B	5230	9180		mg/Kg	☼	92	75 - 125	6	20
Manganese	520		52.3	533	4	mg/Kg	☼	23	75 - 125	11	20
Nickel	12		52.3	62.6		mg/Kg	☼	96	75 - 125	2	20
Potassium	530	J B	5230	5030		mg/Kg	☼	86	75 - 125	2	20
Selenium	0.30	J	52.3	42.9		mg/Kg	☼	81	75 - 125	3	20
Silver	ND		5.23	4.42		mg/Kg	☼	84	75 - 125	1	20
Sodium	130	J B	5230	4570		mg/Kg	☼	85	75 - 125	2	20
Thallium	ND		52.3	44.4		mg/Kg	☼	85	75 - 125	3	20
Vanadium	9.9		52.3	59.6		mg/Kg	☼	95	75 - 125	1	20
Zinc	53	B	52.3	102		mg/Kg	☼	95	75 - 125	10	20

Lab Sample ID: 180-35776-25 MS
Matrix: Solid
Analysis Batch: 116139

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115463

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	7500		219	10400	4	mg/Kg	☼	1301	75 - 125
Antimony	ND		54.7	35.0	F1	mg/Kg	☼	64	75 - 125
Arsenic	7.9		54.7	56.5		mg/Kg	☼	89	75 - 125
Barium	73	B	219	260		mg/Kg	☼	86	75 - 125
Beryllium	0.37	J	5.47	5.08		mg/Kg	☼	86	75 - 125
Cadmium	0.11	J	5.47	4.49		mg/Kg	☼	80	75 - 125
Calcium	6500	B	5470	10900		mg/Kg	☼	81	75 - 125
Chromium	14		21.9	41.5	F1	mg/Kg	☼	126	75 - 125
Cobalt	6.7		54.7	58.8		mg/Kg	☼	95	75 - 125
Copper	33		27.3	72.8	F1	mg/Kg	☼	146	75 - 125
Iron	18000	B	109	23500	4	mg/Kg	☼	4807	75 - 125
Lead	50		54.7	92.1		mg/Kg	☼	78	75 - 125
Magnesium	2700	B	5470	7590		mg/Kg	☼	90	75 - 125
Manganese	360		54.7	415	4	mg/Kg	☼	94	75 - 125

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35776-25 MS
Matrix: Solid
Analysis Batch: 116139

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115463

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	28		54.7	331	F1	mg/Kg	☼	555	75 - 125
Potassium	590	B	5470	5390		mg/Kg	☼	88	75 - 125
Selenium	0.78	J	54.7	45.5		mg/Kg	☼	82	75 - 125
Silver	ND		5.47	4.76		mg/Kg	☼	87	75 - 125
Sodium	140	J B	5470	4850		mg/Kg	☼	86	75 - 125
Thallium	0.18	J	54.7	45.5		mg/Kg	☼	83	75 - 125
Vanadium	13		54.7	64.5		mg/Kg	☼	94	75 - 125
Zinc	64	B	54.7	111		mg/Kg	☼	87	75 - 125

Lab Sample ID: 180-35776-25 MSD
Matrix: Solid
Analysis Batch: 116139

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115463

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	7500		221	9520	4	mg/Kg	☼	913	75 - 125	8	20
Antimony	ND		55.2	35.9	F1	mg/Kg	☼	65	75 - 125	3	20
Arsenic	7.9		55.2	55.3		mg/Kg	☼	86	75 - 125	2	20
Barium	73	B	221	254		mg/Kg	☼	82	75 - 125	2	20
Beryllium	0.37	J	5.52	5.11		mg/Kg	☼	86	75 - 125	1	20
Cadmium	0.11	J	5.52	4.54		mg/Kg	☼	80	75 - 125	1	20
Calcium	6500	B	5520	15300	F1 F2	mg/Kg	☼	161	75 - 125	34	20
Chromium	14		22.1	29.9	F1 F2	mg/Kg	☼	72	75 - 125	33	20
Cobalt	6.7		55.2	56.7		mg/Kg	☼	91	75 - 125	4	20
Copper	33		27.6	51.4	F1 F2	mg/Kg	☼	67	75 - 125	34	20
Iron	18000	B	110	16600	4 F2	mg/Kg	☼	-1467	75 - 125	34	20
Lead	50		55.2	85.5	F1	mg/Kg	☼	65	75 - 125	7	20
Magnesium	2700	B	5520	10500	F1 F2	mg/Kg	☼	142	75 - 125	32	20
Manganese	360		55.2	350	4	mg/Kg	☼	-24	75 - 125	17	20
Nickel	28		55.2	76.2	F2	mg/Kg	☼	87	75 - 125	125	20
Potassium	590	B	5520	5490		mg/Kg	☼	89	75 - 125	2	20
Selenium	0.78	J	55.2	46.2		mg/Kg	☼	82	75 - 125	1	20
Silver	ND		5.52	4.86		mg/Kg	☼	88	75 - 125	2	20
Sodium	140	J B	5520	4880		mg/Kg	☼	86	75 - 125	0	20
Thallium	0.18	J	55.2	45.9		mg/Kg	☼	83	75 - 125	1	20
Vanadium	13		55.2	64.7		mg/Kg	☼	94	75 - 125	0	20
Zinc	64	B	55.2	102	F1	mg/Kg	☼	70	75 - 125	8	20

Lab Sample ID: MB 180-115465/1-A
Matrix: Solid
Analysis Batch: 116214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	2.1	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Antimony	ND		1.0	0.20	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Arsenic	ND		1.0	0.31	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Barium	0.0210	J	20	0.013	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Beryllium	ND		0.40	0.011	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Cadmium	0.0270	J	0.50	0.014	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Calcium	ND		500	1.5	mg/Kg		08/20/14 14:02	08/27/14 07:31	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-115465/1-A
Matrix: Solid
Analysis Batch: 116214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.50	0.077	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Cobalt	ND		5.0	0.042	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Copper	ND		2.5	0.14	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Iron	ND		10	0.89	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Lead	ND		1.0	0.10	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Magnesium	ND		500	2.1	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Manganese	ND		1.5	0.089	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Nickel	ND		4.0	0.048	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Potassium	6.79	J	500	6.4	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Selenium	ND		1.0	0.27	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Silver	ND		0.50	0.040	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Sodium	1.46	J	500	1.1	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Thallium	ND		2.0	0.15	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Vanadium	0.245	J	5.0	0.17	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Zinc	0.186	J	2.0	0.10	mg/Kg		08/20/14 14:02	08/27/14 07:31	1

Lab Sample ID: LCS 180-115465/2-A
Matrix: Solid
Analysis Batch: 116214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	198	198		mg/Kg		100	80 - 120
Antimony	49.5	50.5		mg/Kg		102	80 - 120
Arsenic	49.5	51.0		mg/Kg		103	80 - 120
Barium	198	198		mg/Kg		100	80 - 120
Beryllium	4.95	5.09		mg/Kg		103	80 - 120
Cadmium	4.95	4.70		mg/Kg		95	80 - 120
Calcium	4950	5090		mg/Kg		103	80 - 120
Chromium	19.8	19.7		mg/Kg		99	80 - 120
Cobalt	49.5	49.5		mg/Kg		100	80 - 120
Copper	24.8	24.5		mg/Kg		99	80 - 120
Iron	99.0	102		mg/Kg		103	80 - 120
Lead	49.5	48.1		mg/Kg		97	80 - 120
Magnesium	4950	5010		mg/Kg		101	80 - 120
Manganese	49.5	49.3		mg/Kg		100	80 - 120
Nickel	49.5	49.4		mg/Kg		100	80 - 120
Potassium	4950	5050		mg/Kg		102	80 - 120
Selenium	49.5	48.2		mg/Kg		97	80 - 120
Silver	4.95	4.92		mg/Kg		99	80 - 120
Sodium	4950	5180		mg/Kg		105	80 - 120
Thallium	49.5	46.5		mg/Kg		94	80 - 120
Vanadium	49.5	50.9		mg/Kg		103	80 - 120
Zinc	49.5	49.0		mg/Kg		99	80 - 120

QC Sample Results

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 180-115583/1-A
Matrix: Solid
Analysis Batch: 115636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115583

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.011	mg/Kg		08/21/14 10:24	08/21/14 13:50	1

Lab Sample ID: LCS 180-115583/2-A
Matrix: Solid
Analysis Batch: 115636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115583

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.421		mg/Kg		101	80 - 120

Lab Sample ID: 180-35776-14 MS
Matrix: Solid
Analysis Batch: 115636

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115583

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.017	J	0.162	0.197		mg/Kg	☼	112	75 - 125

Lab Sample ID: 180-35776-14 MSD
Matrix: Solid
Analysis Batch: 115636

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115583

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.017	J	0.169	0.195		mg/Kg	☼	106	75 - 125	1	20

Lab Sample ID: MB 180-115584/1-A
Matrix: Solid
Analysis Batch: 115636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115584

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.011	mg/Kg		08/21/14 10:25	08/21/14 14:45	1

Lab Sample ID: LCS 180-115584/2-A
Matrix: Solid
Analysis Batch: 115636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115584

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.417	0.429		mg/Kg		103	80 - 120

Lab Sample ID: 180-35776-3 MS
Matrix: Solid
Analysis Batch: 115636

Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115584

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.024	J	0.175	0.201		mg/Kg	☼	101	75 - 125

Lab Sample ID: 180-35776-3 MSD
Matrix: Solid
Analysis Batch: 115636

Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115584

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.024	J	0.180	0.201		mg/Kg	☼	98	75 - 125	0	20

QC Sample Results

Lab Sample ID: MB 180-115922/1-A
Matrix: Solid
Analysis Batch: 115966

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.011	mg/Kg		08/25/14 10:10	08/25/14 12:36	1

Lab Sample ID: LCS 180-115922/2-A
Matrix: Solid
Analysis Batch: 115966

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.403	0.414		mg/Kg		103	80 - 120

Lab Sample ID: 180-35776-25 MS
Matrix: Solid
Analysis Batch: 115966

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115922

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.033	J	0.183	0.233		mg/Kg	☼	109	75 - 125

Lab Sample ID: 180-35776-25 MSD
Matrix: Solid
Analysis Batch: 115966

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115922

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.033	J	0.183	0.242		mg/Kg	☼	114	75 - 125	4	20

Lab Sample ID: MB 180-115923/1-A
Matrix: Solid
Analysis Batch: 115966

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115923

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.011	mg/Kg		08/25/14 10:11	08/25/14 13:24	1

Lab Sample ID: LCS 180-115923/2-A
Matrix: Solid
Analysis Batch: 115966

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115923

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.403	0.419		mg/Kg		104	80 - 120

Method: 2540G - SM 2540G

Lab Sample ID: 180-35776-3 DU
Matrix: Solid
Analysis Batch: 114863

Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	11		9.7		%		9	20
Percent Solids	89		90		%		1	20

Method: 2540G - SM 2540G (Continued)

Lab Sample ID: 180-35776-14 DU
Matrix: Solid
Analysis Batch: 114863

Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	9.0		10		%		15	20
Percent Solids	91		90		%		2	20

Lab Sample ID: 180-35776-25 DU
Matrix: Solid
Analysis Batch: 114872

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	12		12		%		0.1	20
Percent Solids	88		88		%		0.02	20

Lab Sample ID: 180-35776-33 DU
Matrix: Solid
Analysis Batch: 114879

Client Sample ID: SSHS-B90-0.17-2 (1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	9.3		8.2		%		13	20
Percent Solids	91		92		%		1	20

Method: 9014 - Cyanide

Lab Sample ID: MB 180-115269/4-A
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115269

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.15	mg/Kg		08/20/14 07:00	08/20/14 09:13	1

Lab Sample ID: HLCS 180-115269/2-A
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115269

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.235		mg/Kg		94	90 - 110

Lab Sample ID: LCS 180-115269/3-A
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115269

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	101	94.1		mg/Kg		93	38 - 162

Lab Sample ID: LLCS 180-115269/1-A
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115269

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0487		mg/Kg		97	90 - 110

QC Sample Results

Method: 9014 - Cyanide (Continued)

Lab Sample ID: 180-35776-3 MS
Matrix: Solid
Analysis Batch: 115506
Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115269

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		5.65	5.78		mg/Kg	☼	102	75 - 125

Lab Sample ID: 180-35776-3 MSD
Matrix: Solid
Analysis Batch: 115506
Client Sample ID: SSHS-B86-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115269

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		5.71	5.54		mg/Kg	☼	97	75 - 125	4	20

Lab Sample ID: MB 180-115397/4-A
Matrix: Solid
Analysis Batch: 115506
Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115397

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.15	mg/Kg		08/20/14 12:00	08/20/14 12:50	1

Lab Sample ID: HLCS 180-115397/2-A
Matrix: Solid
Analysis Batch: 115506
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115397

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.229		mg/Kg		92	90 - 110

Lab Sample ID: LCS 180-115397/3-A
Matrix: Solid
Analysis Batch: 115506
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115397

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	101	90.0		mg/Kg		89	38 - 162

Lab Sample ID: LLCS 180-115397/1-A
Matrix: Solid
Analysis Batch: 115506
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115397

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0462		mg/Kg		92	90 - 110

Lab Sample ID: 180-35776-14 MS
Matrix: Solid
Analysis Batch: 115506
Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115397

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		5.55	5.01		mg/Kg	☼	90	75 - 125

Lab Sample ID: 180-35776-14 MSD
Matrix: Solid
Analysis Batch: 115506
Client Sample ID: SSHS-B82-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115397

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		5.33	5.01		mg/Kg	☼	94	75 - 125	0	20

Lab Sample ID: 180-35776-22 MS
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: SSHS-B85-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115397

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		5.78	5.45		mg/Kg	☼	94	75 - 125

Lab Sample ID: MB 180-115467/4-A
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115467

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.15	mg/Kg		08/20/14 14:00	08/20/14 15:20	1

Lab Sample ID: HLCS 180-115467/2-A
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115467

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.226		mg/Kg		90	90 - 110

Lab Sample ID: LCS 180-115467/3-A
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115467

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	101	93.6		mg/Kg		93	38 - 162

Lab Sample ID: LLCS 180-115467/1-A
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115467

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0496		mg/Kg		99	90 - 110

Lab Sample ID: 180-35776-25 MS
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115467

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		5.47	4.99		mg/Kg	☼	91	75 - 125

Lab Sample ID: 180-35776-25 MSD
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: SSHS-B73-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115467

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		5.69	5.33		mg/Kg	☼	94	75 - 125	7	20

GC/MS VOA

Analysis Batch: 114794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-2	SSHS-B86-2-6 (3.5)	Total/NA	Solid	8260C	114801
180-35776-3	SSHS-B86-6-10 (8)	Total/NA	Solid	8260C	114801
180-35776-3 MS	SSHS-B86-6-10 (8)	Total/NA	Solid	8260C	114801
180-35776-3 MSD	SSHS-B86-6-10 (8)	Total/NA	Solid	8260C	114801
180-35776-4	SSHS-B86-10-15 (12.5)	Total/NA	Solid	8260C	114801
LCS 180-114801/2-A	Lab Control Sample	Total/NA	Solid	8260C	114801
MB 180-114801/1-A	Method Blank	Total/NA	Solid	8260C	114801

Prep Batch: 114801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-2	SSHS-B86-2-6 (3.5)	Total/NA	Solid	5035	
180-35776-3	SSHS-B86-6-10 (8)	Total/NA	Solid	5035	
180-35776-3 MS	SSHS-B86-6-10 (8)	Total/NA	Solid	5035	
180-35776-3 MSD	SSHS-B86-6-10 (8)	Total/NA	Solid	5035	
180-35776-4	SSHS-B86-10-15 (12.5)	Total/NA	Solid	5035	
LCS 180-114801/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-114801/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 114924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-1	SSHS-B86-0.17-2 (1.5)	Total/NA	Solid	8260C	114925
180-35776-5	SSHS-B88-0.17-2 (1)	Total/NA	Solid	8260C	114925
180-35776-6	SSHS-B88-2-6 (4)	Total/NA	Solid	8260C	114925
180-35776-7	SSHS-B88-6-10 (8)	Total/NA	Solid	8260C	114925
180-35776-8	SSHS-B88-10-15 (12.5)	Total/NA	Solid	8260C	114925
180-35776-9	SSHS-B89-0.17-2 (1)	Total/NA	Solid	8260C	114925
180-35776-10	SSHS-B89-2-6 (5)	Total/NA	Solid	8260C	114925
180-35776-11	SSHS-B89-6-10 (7.5)	Total/NA	Solid	8260C	114925
180-35776-12	SSHS-B89-10-15 (12.5)	Total/NA	Solid	8260C	114925
180-35776-13	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	8260C	114925
180-35776-14	SSHS-B82-2-6 (4)	Total/NA	Solid	8260C	114925
180-35776-14 MS	SSHS-B82-2-6 (4)	Total/NA	Solid	8260C	114925
180-35776-14 MSD	SSHS-B82-2-6 (4)	Total/NA	Solid	8260C	114925
180-35776-15	SSHS-B82-6-10 (8)	Total/NA	Solid	8260C	114925
180-35776-16	SSHS-B82-10-15 (12.5)	Total/NA	Solid	8260C	114925
180-35776-17	SSHS-B83-2-6 (5.5)	Total/NA	Solid	8260C	114925
180-35776-18	SSHS-B83-6-10 (8)	Total/NA	Solid	8260C	114925
180-35776-19	SSHS-B83-10-14.5 (12)	Total/NA	Solid	8260C	114925
180-35776-20	SSHS-B85-0.17-2 (1)	Total/NA	Solid	8260C	114925
180-35776-22	SSHS-B85-6-10 (8)	Total/NA	Solid	8260C	114925
LCS 180-114925/2-A	Lab Control Sample	Total/NA	Solid	8260C	114925
MB 180-114925/1-A	Method Blank	Total/NA	Solid	8260C	114925

Prep Batch: 114925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-1	SSHS-B86-0.17-2 (1.5)	Total/NA	Solid	5035	
180-35776-5	SSHS-B88-0.17-2 (1)	Total/NA	Solid	5035	
180-35776-6	SSHS-B88-2-6 (4)	Total/NA	Solid	5035	
180-35776-7	SSHS-B88-6-10 (8)	Total/NA	Solid	5035	
180-35776-8	SSHS-B88-10-15 (12.5)	Total/NA	Solid	5035	
180-35776-9	SSHS-B89-0.17-2 (1)	Total/NA	Solid	5035	

GC/MS VOA (Continued)

Prep Batch: 114925 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-10	SSHS-B89-2-6 (5)	Total/NA	Solid	5035	
180-35776-11	SSHS-B89-6-10 (7.5)	Total/NA	Solid	5035	
180-35776-12	SSHS-B89-10-15 (12.5)	Total/NA	Solid	5035	
180-35776-13	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	5035	
180-35776-14	SSHS-B82-2-6 (4)	Total/NA	Solid	5035	
180-35776-14 MS	SSHS-B82-2-6 (4)	Total/NA	Solid	5035	
180-35776-14 MSD	SSHS-B82-2-6 (4)	Total/NA	Solid	5035	
180-35776-15	SSHS-B82-6-10 (8)	Total/NA	Solid	5035	
180-35776-16	SSHS-B82-10-15 (12.5)	Total/NA	Solid	5035	
180-35776-17	SSHS-B83-2-6 (5.5)	Total/NA	Solid	5035	
180-35776-18	SSHS-B83-6-10 (8)	Total/NA	Solid	5035	
180-35776-19	SSHS-B83-10-14.5 (12)	Total/NA	Solid	5035	
180-35776-20	SSHS-B85-0.17-2 (1)	Total/NA	Solid	5035	
180-35776-22	SSHS-B85-6-10 (8)	Total/NA	Solid	5035	
LCS 180-114925/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-114925/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 114963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-13 - RA	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	8260C	114966
180-35776-21	SSHS-B85-2-6 (3.5)	Total/NA	Solid	8260C	114966
180-35776-23	SSHS-B85-10-15 (12.5)	Total/NA	Solid	8260C	114966
180-35776-24	SSHS-B73-0.17-2 (1)	Total/NA	Solid	8260C	114966
180-35776-25	SSHS-B73-2-6 (4)	Total/NA	Solid	8260C	114966
180-35776-25 MS	SSHS-B73-2-6 (4)	Total/NA	Solid	8260C	114966
180-35776-25 MSD	SSHS-B73-2-6 (4)	Total/NA	Solid	8260C	114966
180-35776-26	SSHS-B73-6-10 (8)	Total/NA	Solid	8260C	114966
180-35776-27	SSHS-B73-10-15 (12.5)	Total/NA	Solid	8260C	114966
180-35776-28	SSHS-B74-SS	Total/NA	Solid	8260C	114966
180-35776-29	SSHS-B74-0.17-2 (1.5)	Total/NA	Solid	8260C	114966
180-35776-30	SSHS-B74-2-6 (5)	Total/NA	Solid	8260C	114966
180-35776-31	SSHS-B74-6-10 (7.5)	Total/NA	Solid	8260C	114966
180-35776-32	SSHS-B74-10-15 (12.5)	Total/NA	Solid	8260C	114966
180-35776-33	SSHS-B90-0.17-2 (1)	Total/NA	Solid	8260C	114966
180-35776-34	SSHS-B90-2-6 (4)	Total/NA	Solid	8260C	114966
180-35776-35	SSHS-B90-6-10 (9)	Total/NA	Solid	8260C	114966
180-35776-37	SSHS-91-SS	Total/NA	Solid	8260C	114966
180-35776-38	SSHS-91-0.17-2 (1.75)	Total/NA	Solid	8260C	114966
180-35776-39	SSHS-91-2-6 (5)	Total/NA	Solid	8260C	114966
180-35776-40	SSHS-91-6-10 (8)	Total/NA	Solid	8260C	114966
LCS 180-114966/2-A	Lab Control Sample	Total/NA	Solid	8260C	114966
MB 180-114966/1-A	Method Blank	Total/NA	Solid	8260C	114966

Prep Batch: 114966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-13 - RA	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	5035	
180-35776-21	SSHS-B85-2-6 (3.5)	Total/NA	Solid	5035	
180-35776-23	SSHS-B85-10-15 (12.5)	Total/NA	Solid	5035	
180-35776-24	SSHS-B73-0.17-2 (1)	Total/NA	Solid	5035	
180-35776-25	SSHS-B73-2-6 (4)	Total/NA	Solid	5035	
180-35776-25 MS	SSHS-B73-2-6 (4)	Total/NA	Solid	5035	

GC/MS VOA (Continued)

Prep Batch: 114966 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-25 MSD	SSHS-B73-2-6 (4)	Total/NA	Solid	5035	
180-35776-26	SSHS-B73-6-10 (8)	Total/NA	Solid	5035	
180-35776-27	SSHS-B73-10-15 (12.5)	Total/NA	Solid	5035	
180-35776-28	SSHS-B74-SS	Total/NA	Solid	5035	
180-35776-29	SSHS-B74-0.17-2 (1.5)	Total/NA	Solid	5035	
180-35776-30	SSHS-B74-2-6 (5)	Total/NA	Solid	5035	
180-35776-31	SSHS-B74-6-10 (7.5)	Total/NA	Solid	5035	
180-35776-32	SSHS-B74-10-15 (12.5)	Total/NA	Solid	5035	
180-35776-33	SSHS-B90-0.17-2 (1)	Total/NA	Solid	5035	
180-35776-34	SSHS-B90-2-6 (4)	Total/NA	Solid	5035	
180-35776-35	SSHS-B90-6-10 (9)	Total/NA	Solid	5035	
180-35776-37	SSHS-91-SS	Total/NA	Solid	5035	
180-35776-38	SSHS-91-0.17-2 (1.75)	Total/NA	Solid	5035	
180-35776-39	SSHS-91-2-6 (5)	Total/NA	Solid	5035	
180-35776-40	SSHS-91-6-10 (8)	Total/NA	Solid	5035	
LCS 180-114966/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-114966/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-36	SSHS-B90-10-15 (13)	Total/NA	Solid	8260C	115034
LCS 180-115034/2-A	Lab Control Sample	Total/NA	Solid	8260C	115034
MB 180-115034/1-A	Method Blank	Total/NA	Solid	8260C	115034

Prep Batch: 115034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-36	SSHS-B90-10-15 (13)	Total/NA	Solid	5035	
LCS 180-115034/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-115034/1-A	Method Blank	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 115664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-1	SSHS-B86-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35776-2	SSHS-B86-2-6 (3.5)	Total/NA	Solid	3541	
180-35776-3	SSHS-B86-6-10 (8)	Total/NA	Solid	3541	
180-35776-3 MS	SSHS-B86-6-10 (8)	Total/NA	Solid	3541	
180-35776-3 MSD	SSHS-B86-6-10 (8)	Total/NA	Solid	3541	
180-35776-4	SSHS-B86-10-15 (12.5)	Total/NA	Solid	3541	
180-35776-5	SSHS-B88-0.17-2 (1)	Total/NA	Solid	3541	
180-35776-6	SSHS-B88-2-6 (4)	Total/NA	Solid	3541	
180-35776-7	SSHS-B88-6-10 (8)	Total/NA	Solid	3541	
180-35776-8	SSHS-B88-10-15 (12.5)	Total/NA	Solid	3541	
180-35776-9	SSHS-B89-0.17-2 (1)	Total/NA	Solid	3541	
180-35776-10	SSHS-B89-2-6 (5)	Total/NA	Solid	3541	
180-35776-11	SSHS-B89-6-10 (7.5)	Total/NA	Solid	3541	
180-35776-12	SSHS-B89-10-15 (12.5)	Total/NA	Solid	3541	
180-35776-13	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35776-15	SSHS-B82-6-10 (8)	Total/NA	Solid	3541	

QC Association Summary

GC/MS Semi VOA (Continued)

Prep Batch: 115664 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-16	SSHS-B82-10-15 (12.5)	Total/NA	Solid	3541	
LCS 180-115664/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-115664/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 115715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-1	SSHS-B86-0.17-2 (1.5)	Total/NA	Solid	8270D	115664
180-35776-2	SSHS-B86-2-6 (3.5)	Total/NA	Solid	8270D	115664
180-35776-3	SSHS-B86-6-10 (8)	Total/NA	Solid	8270D	115664
180-35776-3 MS	SSHS-B86-6-10 (8)	Total/NA	Solid	8270D	115664
180-35776-3 MSD	SSHS-B86-6-10 (8)	Total/NA	Solid	8270D	115664
180-35776-4	SSHS-B86-10-15 (12.5)	Total/NA	Solid	8270D	115664
180-35776-5	SSHS-B88-0.17-2 (1)	Total/NA	Solid	8270D	115664
180-35776-6	SSHS-B88-2-6 (4)	Total/NA	Solid	8270D	115664
180-35776-7	SSHS-B88-6-10 (8)	Total/NA	Solid	8270D	115664
180-35776-8	SSHS-B88-10-15 (12.5)	Total/NA	Solid	8270D	115664
180-35776-9	SSHS-B89-0.17-2 (1)	Total/NA	Solid	8270D	115664
180-35776-10	SSHS-B89-2-6 (5)	Total/NA	Solid	8270D	115664
180-35776-11	SSHS-B89-6-10 (7.5)	Total/NA	Solid	8270D	115664
180-35776-12	SSHS-B89-10-15 (12.5)	Total/NA	Solid	8270D	115664
180-35776-13	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	8270D	115664
180-35776-15	SSHS-B82-6-10 (8)	Total/NA	Solid	8270D	115664
180-35776-16	SSHS-B82-10-15 (12.5)	Total/NA	Solid	8270D	115664
LCS 180-115664/2-A	Lab Control Sample	Total/NA	Solid	8270D	115664
MB 180-115664/1-A	Method Blank	Total/NA	Solid	8270D	115664

Prep Batch: 115780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-14	SSHS-B82-2-6 (4)	Total/NA	Solid	3541	
180-35776-14 MS	SSHS-B82-2-6 (4)	Total/NA	Solid	3541	
180-35776-14 MSD	SSHS-B82-2-6 (4)	Total/NA	Solid	3541	
180-35776-17	SSHS-B83-2-6 (5.5)	Total/NA	Solid	3541	
180-35776-18	SSHS-B83-6-10 (8)	Total/NA	Solid	3541	
180-35776-19	SSHS-B83-10-14.5 (12)	Total/NA	Solid	3541	
180-35776-20	SSHS-B85-0.17-2 (1)	Total/NA	Solid	3541	
180-35776-21	SSHS-B85-2-6 (3.5)	Total/NA	Solid	3541	
180-35776-22	SSHS-B85-6-10 (8)	Total/NA	Solid	3541	
180-35776-23	SSHS-B85-10-15 (12.5)	Total/NA	Solid	3541	
180-35776-24	SSHS-B73-0.17-2 (1)	Total/NA	Solid	3541	
180-35776-26	SSHS-B73-6-10 (8)	Total/NA	Solid	3541	
180-35776-27	SSHS-B73-10-15 (12.5)	Total/NA	Solid	3541	
180-35776-28	SSHS-B74-SS	Total/NA	Solid	3541	
180-35776-29	SSHS-B74-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35776-30	SSHS-B74-2-6 (5)	Total/NA	Solid	3541	
180-35776-31	SSHS-B74-6-10 (7.5)	Total/NA	Solid	3541	
180-35776-32	SSHS-B74-10-15 (12.5)	Total/NA	Solid	3541	
180-35776-33	SSHS-B90-0.17-2 (1)	Total/NA	Solid	3541	
180-35776-34 - DL	SSHS-B90-2-6 (4)	Total/NA	Solid	3541	
180-35776-34	SSHS-B90-2-6 (4)	Total/NA	Solid	3541	
180-35776-35	SSHS-B90-6-10 (9)	Total/NA	Solid	3541	
180-35776-36	SSHS-B90-10-15 (13)	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 115780 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-115780/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-115780/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 115860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-14	SSHS-B82-2-6 (4)	Total/NA	Solid	8270D	115780
180-35776-14 MS	SSHS-B82-2-6 (4)	Total/NA	Solid	8270D	115780
180-35776-14 MSD	SSHS-B82-2-6 (4)	Total/NA	Solid	8270D	115780
180-35776-20	SSHS-B85-0.17-2 (1)	Total/NA	Solid	8270D	115780
180-35776-21	SSHS-B85-2-6 (3.5)	Total/NA	Solid	8270D	115780
180-35776-22	SSHS-B85-6-10 (8)	Total/NA	Solid	8270D	115780
180-35776-23	SSHS-B85-10-15 (12.5)	Total/NA	Solid	8270D	115780
180-35776-24	SSHS-B73-0.17-2 (1)	Total/NA	Solid	8270D	115780
180-35776-26	SSHS-B73-6-10 (8)	Total/NA	Solid	8270D	115780
180-35776-27	SSHS-B73-10-15 (12.5)	Total/NA	Solid	8270D	115780
180-35776-28	SSHS-B74-SS	Total/NA	Solid	8270D	115780
180-35776-29	SSHS-B74-0.17-2 (1.5)	Total/NA	Solid	8270D	115780
180-35776-30	SSHS-B74-2-6 (5)	Total/NA	Solid	8270D	115780
180-35776-31	SSHS-B74-6-10 (7.5)	Total/NA	Solid	8270D	115780
180-35776-34	SSHS-B90-2-6 (4)	Total/NA	Solid	8270D	115780
180-35776-35	SSHS-B90-6-10 (9)	Total/NA	Solid	8270D	115780
MB 180-115780/1-A	Method Blank	Total/NA	Solid	8270D	115780

Prep Batch: 115881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-25	SSHS-B73-2-6 (4)	Total/NA	Solid	3541	
180-35776-25 MS	SSHS-B73-2-6 (4)	Total/NA	Solid	3541	
180-35776-25 MSD	SSHS-B73-2-6 (4)	Total/NA	Solid	3541	
180-35776-37	SSHS-91-SS	Total/NA	Solid	3541	
180-35776-38	SSHS-91-0.17-2 (1.75)	Total/NA	Solid	3541	
180-35776-39	SSHS-91-2-6 (5)	Total/NA	Solid	3541	
180-35776-40	SSHS-91-6-10 (8)	Total/NA	Solid	3541	
LCS 180-115881/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-115881/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 115902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-25	SSHS-B73-2-6 (4)	Total/NA	Solid	8270D	115881
180-35776-25 MS	SSHS-B73-2-6 (4)	Total/NA	Solid	8270D	115881
180-35776-25 MSD	SSHS-B73-2-6 (4)	Total/NA	Solid	8270D	115881
180-35776-37	SSHS-91-SS	Total/NA	Solid	8270D	115881
180-35776-38	SSHS-91-0.17-2 (1.75)	Total/NA	Solid	8270D	115881
180-35776-39	SSHS-91-2-6 (5)	Total/NA	Solid	8270D	115881
180-35776-40	SSHS-91-6-10 (8)	Total/NA	Solid	8270D	115881
LCS 180-115881/2-A	Lab Control Sample	Total/NA	Solid	8270D	115881
MB 180-115881/1-A	Method Blank	Total/NA	Solid	8270D	115881

Analysis Batch: 115992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-17	SSHS-B83-2-6 (5.5)	Total/NA	Solid	8270D	115780
180-35776-18	SSHS-B83-6-10 (8)	Total/NA	Solid	8270D	115780

GC/MS Semi VOA (Continued)

Analysis Batch: 115992 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-19	SSHS-B83-10-14.5 (12)	Total/NA	Solid	8270D	115780
180-35776-32	SSHS-B74-10-15 (12.5)	Total/NA	Solid	8270D	115780
180-35776-33	SSHS-B90-0.17-2 (1)	Total/NA	Solid	8270D	115780
180-35776-34 - DL	SSHS-B90-2-6 (4)	Total/NA	Solid	8270D	115780
180-35776-36	SSHS-B90-10-15 (13)	Total/NA	Solid	8270D	115780
LCS 180-115780/2-A	Lab Control Sample	Total/NA	Solid	8270D	115780

GC Semi VOA

Prep Batch: 115772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-25	SSHS-B73-2-6 (4)	Total/NA	Solid	3541	
180-35776-25 MS	SSHS-B73-2-6 (4)	Total/NA	Solid	3541	
180-35776-25 MS	SSHS-B73-2-6 (4)	Total/NA	Solid	3541	
180-35776-25 MSD	SSHS-B73-2-6 (4)	Total/NA	Solid	3541	
180-35776-25 MSD	SSHS-B73-2-6 (4)	Total/NA	Solid	3541	
180-35776-37	SSHS-91-SS	Total/NA	Solid	3541	
180-35776-38	SSHS-91-0.17-2 (1.75)	Total/NA	Solid	3541	
180-35776-39	SSHS-91-2-6 (5)	Total/NA	Solid	3541	
180-35776-40	SSHS-91-6-10 (8)	Total/NA	Solid	3541	
LCS 180-115772/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCS 180-115772/3-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-115772/1-A	Method Blank	Total/NA	Solid	3541	
MB 180-115772/1-C	Method Blank	Total/NA	Solid	3541	

Prep Batch: 115781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-1	SSHS-B86-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35776-2	SSHS-B86-2-6 (3.5)	Total/NA	Solid	3541	
180-35776-3	SSHS-B86-6-10 (8)	Total/NA	Solid	3541	
180-35776-3 MS	SSHS-B86-6-10 (8)	Total/NA	Solid	3541	
180-35776-3 MS	SSHS-B86-6-10 (8)	Total/NA	Solid	3541	
180-35776-3 MSD	SSHS-B86-6-10 (8)	Total/NA	Solid	3541	
180-35776-3 MSD	SSHS-B86-6-10 (8)	Total/NA	Solid	3541	
180-35776-4	SSHS-B86-10-15 (12.5)	Total/NA	Solid	3541	
180-35776-5	SSHS-B88-0.17-2 (1)	Total/NA	Solid	3541	
180-35776-6	SSHS-B88-2-6 (4)	Total/NA	Solid	3541	
180-35776-7	SSHS-B88-6-10 (8)	Total/NA	Solid	3541	
180-35776-8	SSHS-B88-10-15 (12.5)	Total/NA	Solid	3541	
180-35776-9	SSHS-B89-0.17-2 (1)	Total/NA	Solid	3541	
180-35776-10	SSHS-B89-2-6 (5)	Total/NA	Solid	3541	
180-35776-11	SSHS-B89-6-10 (7.5)	Total/NA	Solid	3541	
180-35776-12	SSHS-B89-10-15 (12.5)	Total/NA	Solid	3541	
180-35776-13	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35776-15	SSHS-B82-6-10 (8)	Total/NA	Solid	3541	
180-35776-16	SSHS-B82-10-15 (12.5)	Total/NA	Solid	3541	
LCS 180-115781/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCS 180-115781/5-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-115781/1-A	Method Blank	Total/NA	Solid	3541	
MB 180-115781/1-C	Method Blank	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 115782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-14	SSHS-B82-2-6 (4)	Total/NA	Solid	3541	
180-35776-14 MS	SSHS-B82-2-6 (4)	Total/NA	Solid	3541	
180-35776-14 MS	SSHS-B82-2-6 (4)	Total/NA	Solid	3541	
180-35776-14 MSD	SSHS-B82-2-6 (4)	Total/NA	Solid	3541	
180-35776-14 MSD	SSHS-B82-2-6 (4)	Total/NA	Solid	3541	
180-35776-17	SSHS-B83-2-6 (5.5)	Total/NA	Solid	3541	
180-35776-18	SSHS-B83-6-10 (8)	Total/NA	Solid	3541	
180-35776-19	SSHS-B83-10-14.5 (12)	Total/NA	Solid	3541	
180-35776-20	SSHS-B85-0.17-2 (1)	Total/NA	Solid	3541	
180-35776-21	SSHS-B85-2-6 (3.5)	Total/NA	Solid	3541	
180-35776-22	SSHS-B85-6-10 (8)	Total/NA	Solid	3541	
180-35776-23	SSHS-B85-10-15 (12.5)	Total/NA	Solid	3541	
180-35776-24	SSHS-B73-0.17-2 (1)	Total/NA	Solid	3541	
180-35776-26	SSHS-B73-6-10 (8)	Total/NA	Solid	3541	
180-35776-27	SSHS-B73-10-15 (12.5)	Total/NA	Solid	3541	
180-35776-28	SSHS-B74-SS	Total/NA	Solid	3541	
180-35776-29	SSHS-B74-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35776-30	SSHS-B74-2-6 (5)	Total/NA	Solid	3541	
180-35776-31	SSHS-B74-6-10 (7.5)	Total/NA	Solid	3541	
180-35776-32	SSHS-B74-10-15 (12.5)	Total/NA	Solid	3541	
180-35776-33	SSHS-B90-0.17-2 (1)	Total/NA	Solid	3541	
180-35776-34	SSHS-B90-2-6 (4)	Total/NA	Solid	3541	
180-35776-35	SSHS-B90-6-10 (9)	Total/NA	Solid	3541	
180-35776-36	SSHS-B90-10-15 (13)	Total/NA	Solid	3541	
LCS 180-115782/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCS 180-115782/5-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-115782/1-A	Method Blank	Total/NA	Solid	3541	
MB 180-115782/1-C	Method Blank	Total/NA	Solid	3541	

Cleanup Batch: 115913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-1	SSHS-B86-0.17-2 (1.5)	Total/NA	Solid	3665A	115781
180-35776-2	SSHS-B86-2-6 (3.5)	Total/NA	Solid	3665A	115781
180-35776-3	SSHS-B86-6-10 (8)	Total/NA	Solid	3665A	115781
180-35776-3 MS	SSHS-B86-6-10 (8)	Total/NA	Solid	3665A	115781
180-35776-3 MSD	SSHS-B86-6-10 (8)	Total/NA	Solid	3665A	115781
180-35776-4	SSHS-B86-10-15 (12.5)	Total/NA	Solid	3665A	115781
180-35776-5	SSHS-B88-0.17-2 (1)	Total/NA	Solid	3665A	115781
180-35776-6	SSHS-B88-2-6 (4)	Total/NA	Solid	3665A	115781
180-35776-7	SSHS-B88-6-10 (8)	Total/NA	Solid	3665A	115781
180-35776-8	SSHS-B88-10-15 (12.5)	Total/NA	Solid	3665A	115781
180-35776-9	SSHS-B89-0.17-2 (1)	Total/NA	Solid	3665A	115781
180-35776-10	SSHS-B89-2-6 (5)	Total/NA	Solid	3665A	115781
180-35776-11	SSHS-B89-6-10 (7.5)	Total/NA	Solid	3665A	115781
180-35776-12	SSHS-B89-10-15 (12.5)	Total/NA	Solid	3665A	115781
180-35776-13	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	3665A	115781
180-35776-15	SSHS-B82-6-10 (8)	Total/NA	Solid	3665A	115781
180-35776-16	SSHS-B82-10-15 (12.5)	Total/NA	Solid	3665A	115781
LCS 180-115781/5-C	Lab Control Sample	Total/NA	Solid	3665A	115781
MB 180-115781/1-C	Method Blank	Total/NA	Solid	3665A	115781

QC Association Summary

GC Semi VOA (Continued)

Cleanup Batch: 115914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-1	SSHS-B86-0.17-2 (1.5)	Total/NA	Solid	3660B	115913
180-35776-2	SSHS-B86-2-6 (3.5)	Total/NA	Solid	3660B	115913
180-35776-3	SSHS-B86-6-10 (8)	Total/NA	Solid	3660B	115913
180-35776-3 MS	SSHS-B86-6-10 (8)	Total/NA	Solid	3660B	115913
180-35776-3 MSD	SSHS-B86-6-10 (8)	Total/NA	Solid	3660B	115913
180-35776-4	SSHS-B86-10-15 (12.5)	Total/NA	Solid	3660B	115913
180-35776-5	SSHS-B88-0.17-2 (1)	Total/NA	Solid	3660B	115913
180-35776-6	SSHS-B88-2-6 (4)	Total/NA	Solid	3660B	115913
180-35776-7	SSHS-B88-6-10 (8)	Total/NA	Solid	3660B	115913
180-35776-8	SSHS-B88-10-15 (12.5)	Total/NA	Solid	3660B	115913
180-35776-9	SSHS-B89-0.17-2 (1)	Total/NA	Solid	3660B	115913
180-35776-10	SSHS-B89-2-6 (5)	Total/NA	Solid	3660B	115913
180-35776-11	SSHS-B89-6-10 (7.5)	Total/NA	Solid	3660B	115913
180-35776-12	SSHS-B89-10-15 (12.5)	Total/NA	Solid	3660B	115913
180-35776-13	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	3660B	115913
180-35776-15	SSHS-B82-6-10 (8)	Total/NA	Solid	3660B	115913
180-35776-16	SSHS-B82-10-15 (12.5)	Total/NA	Solid	3660B	115913
LCS 180-115781/5-C	Lab Control Sample	Total/NA	Solid	3660B	115913
MB 180-115781/1-C	Method Blank	Total/NA	Solid	3660B	115913

Analysis Batch: 115917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-1	SSHS-B86-0.17-2 (1.5)	Total/NA	Solid	8081B	115781
180-35776-2	SSHS-B86-2-6 (3.5)	Total/NA	Solid	8081B	115781
180-35776-3	SSHS-B86-6-10 (8)	Total/NA	Solid	8081B	115781
180-35776-3 MS	SSHS-B86-6-10 (8)	Total/NA	Solid	8081B	115781
180-35776-3 MSD	SSHS-B86-6-10 (8)	Total/NA	Solid	8081B	115781
180-35776-4	SSHS-B86-10-15 (12.5)	Total/NA	Solid	8081B	115781
180-35776-5	SSHS-B88-0.17-2 (1)	Total/NA	Solid	8081B	115781
180-35776-6	SSHS-B88-2-6 (4)	Total/NA	Solid	8081B	115781
180-35776-7	SSHS-B88-6-10 (8)	Total/NA	Solid	8081B	115781
180-35776-8	SSHS-B88-10-15 (12.5)	Total/NA	Solid	8081B	115781
180-35776-9	SSHS-B89-0.17-2 (1)	Total/NA	Solid	8081B	115781
180-35776-10	SSHS-B89-2-6 (5)	Total/NA	Solid	8081B	115781
180-35776-11	SSHS-B89-6-10 (7.5)	Total/NA	Solid	8081B	115781
180-35776-12	SSHS-B89-10-15 (12.5)	Total/NA	Solid	8081B	115781
180-35776-13	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	8081B	115781
180-35776-14	SSHS-B82-2-6 (4)	Total/NA	Solid	8081B	115782
180-35776-14 MS	SSHS-B82-2-6 (4)	Total/NA	Solid	8081B	115782
180-35776-14 MSD	SSHS-B82-2-6 (4)	Total/NA	Solid	8081B	115782
180-35776-15	SSHS-B82-6-10 (8)	Total/NA	Solid	8081B	115781
180-35776-16	SSHS-B82-10-15 (12.5)	Total/NA	Solid	8081B	115781
180-35776-17	SSHS-B83-2-6 (5.5)	Total/NA	Solid	8081B	115782
180-35776-18	SSHS-B83-6-10 (8)	Total/NA	Solid	8081B	115782
180-35776-19	SSHS-B83-10-14.5 (12)	Total/NA	Solid	8081B	115782
180-35776-20	SSHS-B85-0.17-2 (1)	Total/NA	Solid	8081B	115782
180-35776-21	SSHS-B85-2-6 (3.5)	Total/NA	Solid	8081B	115782
180-35776-22	SSHS-B85-6-10 (8)	Total/NA	Solid	8081B	115782
180-35776-23	SSHS-B85-10-15 (12.5)	Total/NA	Solid	8081B	115782
180-35776-24	SSHS-B73-0.17-2 (1)	Total/NA	Solid	8081B	115782
180-35776-25	SSHS-B73-2-6 (4)	Total/NA	Solid	8081B	115772

GC Semi VOA (Continued)

Analysis Batch: 115917 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-25 MS	SSHS-B73-2-6 (4)	Total/NA	Solid	8081B	115772
180-35776-25 MSD	SSHS-B73-2-6 (4)	Total/NA	Solid	8081B	115772
180-35776-26	SSHS-B73-6-10 (8)	Total/NA	Solid	8081B	115782
180-35776-27	SSHS-B73-10-15 (12.5)	Total/NA	Solid	8081B	115782
180-35776-28	SSHS-B74-SS	Total/NA	Solid	8081B	115782
180-35776-29	SSHS-B74-0.17-2 (1.5)	Total/NA	Solid	8081B	115782
180-35776-30	SSHS-B74-2-6 (5)	Total/NA	Solid	8081B	115782
180-35776-31	SSHS-B74-6-10 (7.5)	Total/NA	Solid	8081B	115782
180-35776-32	SSHS-B74-10-15 (12.5)	Total/NA	Solid	8081B	115782
180-35776-33	SSHS-B90-0.17-2 (1)	Total/NA	Solid	8081B	115782
180-35776-34	SSHS-B90-2-6 (4)	Total/NA	Solid	8081B	115782
180-35776-35	SSHS-B90-6-10 (9)	Total/NA	Solid	8081B	115782
180-35776-36	SSHS-B90-10-15 (13)	Total/NA	Solid	8081B	115782
180-35776-37	SSHS-91-SS	Total/NA	Solid	8081B	115772
180-35776-38	SSHS-91-0.17-2 (1.75)	Total/NA	Solid	8081B	115772
180-35776-39	SSHS-91-2-6 (5)	Total/NA	Solid	8081B	115772
180-35776-40	SSHS-91-6-10 (8)	Total/NA	Solid	8081B	115772
LCS 180-115772/2-A	Lab Control Sample	Total/NA	Solid	8081B	115772
LCS 180-115781/2-A	Lab Control Sample	Total/NA	Solid	8081B	115781
LCS 180-115782/2-A	Lab Control Sample	Total/NA	Solid	8081B	115782
MB 180-115772/1-A	Method Blank	Total/NA	Solid	8081B	115772
MB 180-115781/1-A	Method Blank	Total/NA	Solid	8081B	115781
MB 180-115782/1-A	Method Blank	Total/NA	Solid	8081B	115782

Cleanup Batch: 115925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-14	SSHS-B82-2-6 (4)	Total/NA	Solid	3665A	115782
180-35776-14 MS	SSHS-B82-2-6 (4)	Total/NA	Solid	3665A	115782
180-35776-14 MSD	SSHS-B82-2-6 (4)	Total/NA	Solid	3665A	115782
180-35776-17	SSHS-B83-2-6 (5.5)	Total/NA	Solid	3665A	115782
180-35776-18	SSHS-B83-6-10 (8)	Total/NA	Solid	3665A	115782
180-35776-19	SSHS-B83-10-14.5 (12)	Total/NA	Solid	3665A	115782
180-35776-20	SSHS-B85-0.17-2 (1)	Total/NA	Solid	3665A	115782
180-35776-21	SSHS-B85-2-6 (3.5)	Total/NA	Solid	3665A	115782
180-35776-22	SSHS-B85-6-10 (8)	Total/NA	Solid	3665A	115782
180-35776-23	SSHS-B85-10-15 (12.5)	Total/NA	Solid	3665A	115782
180-35776-24	SSHS-B73-0.17-2 (1)	Total/NA	Solid	3665A	115782
180-35776-26	SSHS-B73-6-10 (8)	Total/NA	Solid	3665A	115782
180-35776-27	SSHS-B73-10-15 (12.5)	Total/NA	Solid	3665A	115782
180-35776-28	SSHS-B74-SS	Total/NA	Solid	3665A	115782
180-35776-29	SSHS-B74-0.17-2 (1.5)	Total/NA	Solid	3665A	115782
180-35776-30	SSHS-B74-2-6 (5)	Total/NA	Solid	3665A	115782
180-35776-31	SSHS-B74-6-10 (7.5)	Total/NA	Solid	3665A	115782
180-35776-32	SSHS-B74-10-15 (12.5)	Total/NA	Solid	3665A	115782
180-35776-33	SSHS-B90-0.17-2 (1)	Total/NA	Solid	3665A	115782
180-35776-34	SSHS-B90-2-6 (4)	Total/NA	Solid	3665A	115782
180-35776-35	SSHS-B90-6-10 (9)	Total/NA	Solid	3665A	115782
180-35776-36	SSHS-B90-10-15 (13)	Total/NA	Solid	3665A	115782
LCS 180-115782/5-C	Lab Control Sample	Total/NA	Solid	3665A	115782
MB 180-115782/1-C	Method Blank	Total/NA	Solid	3665A	115782

GC Semi VOA (Continued)

Cleanup Batch: 115926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-14	SSHS-B82-2-6 (4)	Total/NA	Solid	3660B	115925
180-35776-14 MS	SSHS-B82-2-6 (4)	Total/NA	Solid	3660B	115925
180-35776-14 MSD	SSHS-B82-2-6 (4)	Total/NA	Solid	3660B	115925
180-35776-17	SSHS-B83-2-6 (5.5)	Total/NA	Solid	3660B	115925
180-35776-18	SSHS-B83-6-10 (8)	Total/NA	Solid	3660B	115925
180-35776-19	SSHS-B83-10-14.5 (12)	Total/NA	Solid	3660B	115925
180-35776-20	SSHS-B85-0.17-2 (1)	Total/NA	Solid	3660B	115925
180-35776-21	SSHS-B85-2-6 (3.5)	Total/NA	Solid	3660B	115925
180-35776-22	SSHS-B85-6-10 (8)	Total/NA	Solid	3660B	115925
180-35776-23	SSHS-B85-10-15 (12.5)	Total/NA	Solid	3660B	115925
180-35776-24	SSHS-B73-0.17-2 (1)	Total/NA	Solid	3660B	115925
180-35776-26	SSHS-B73-6-10 (8)	Total/NA	Solid	3660B	115925
180-35776-27	SSHS-B73-10-15 (12.5)	Total/NA	Solid	3660B	115925
180-35776-28	SSHS-B74-SS	Total/NA	Solid	3660B	115925
180-35776-29	SSHS-B74-0.17-2 (1.5)	Total/NA	Solid	3660B	115925
180-35776-30	SSHS-B74-2-6 (5)	Total/NA	Solid	3660B	115925
180-35776-31	SSHS-B74-6-10 (7.5)	Total/NA	Solid	3660B	115925
180-35776-32	SSHS-B74-10-15 (12.5)	Total/NA	Solid	3660B	115925
180-35776-33	SSHS-B90-0.17-2 (1)	Total/NA	Solid	3660B	115925
180-35776-34	SSHS-B90-2-6 (4)	Total/NA	Solid	3660B	115925
180-35776-35	SSHS-B90-6-10 (9)	Total/NA	Solid	3660B	115925
180-35776-36	SSHS-B90-10-15 (13)	Total/NA	Solid	3660B	115925
LCS 180-115782/5-C	Lab Control Sample	Total/NA	Solid	3660B	115925
MB 180-115782/1-C	Method Blank	Total/NA	Solid	3660B	115925

Cleanup Batch: 115939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-25	SSHS-B73-2-6 (4)	Total/NA	Solid	3665A	115772
180-35776-25 MS	SSHS-B73-2-6 (4)	Total/NA	Solid	3665A	115772
180-35776-25 MSD	SSHS-B73-2-6 (4)	Total/NA	Solid	3665A	115772
180-35776-37	SSHS-91-SS	Total/NA	Solid	3665A	115772
180-35776-38	SSHS-91-0.17-2 (1.75)	Total/NA	Solid	3665A	115772
180-35776-39	SSHS-91-2-6 (5)	Total/NA	Solid	3665A	115772
180-35776-40	SSHS-91-6-10 (8)	Total/NA	Solid	3665A	115772
LCS 180-115772/3-C	Lab Control Sample	Total/NA	Solid	3665A	115772
MB 180-115772/1-C	Method Blank	Total/NA	Solid	3665A	115772

Cleanup Batch: 115940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-25	SSHS-B73-2-6 (4)	Total/NA	Solid	3660B	115939
180-35776-25 MS	SSHS-B73-2-6 (4)	Total/NA	Solid	3660B	115939
180-35776-25 MSD	SSHS-B73-2-6 (4)	Total/NA	Solid	3660B	115939
180-35776-37	SSHS-91-SS	Total/NA	Solid	3660B	115939
180-35776-38	SSHS-91-0.17-2 (1.75)	Total/NA	Solid	3660B	115939
180-35776-39	SSHS-91-2-6 (5)	Total/NA	Solid	3660B	115939
180-35776-40	SSHS-91-6-10 (8)	Total/NA	Solid	3660B	115939
LCS 180-115772/3-C	Lab Control Sample	Total/NA	Solid	3660B	115939
MB 180-115772/1-C	Method Blank	Total/NA	Solid	3660B	115939

GC Semi VOA (Continued)

Analysis Batch: 115942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-14	SSHS-B82-2-6 (4)	Total/NA	Solid	8082A	115926
180-35776-14 MS	SSHS-B82-2-6 (4)	Total/NA	Solid	8082A	115926
180-35776-14 MSD	SSHS-B82-2-6 (4)	Total/NA	Solid	8082A	115926
180-35776-17	SSHS-B83-2-6 (5.5)	Total/NA	Solid	8082A	115926
180-35776-18	SSHS-B83-6-10 (8)	Total/NA	Solid	8082A	115926
180-35776-19	SSHS-B83-10-14.5 (12)	Total/NA	Solid	8082A	115926
180-35776-20	SSHS-B85-0.17-2 (1)	Total/NA	Solid	8082A	115926
180-35776-21	SSHS-B85-2-6 (3.5)	Total/NA	Solid	8082A	115926
180-35776-22	SSHS-B85-6-10 (8)	Total/NA	Solid	8082A	115926
180-35776-23	SSHS-B85-10-15 (12.5)	Total/NA	Solid	8082A	115926
180-35776-24	SSHS-B73-0.17-2 (1)	Total/NA	Solid	8082A	115926
180-35776-25	SSHS-B73-2-6 (4)	Total/NA	Solid	8082A	115940
180-35776-25 MS	SSHS-B73-2-6 (4)	Total/NA	Solid	8082A	115940
180-35776-25 MSD	SSHS-B73-2-6 (4)	Total/NA	Solid	8082A	115940
180-35776-26	SSHS-B73-6-10 (8)	Total/NA	Solid	8082A	115926
180-35776-27	SSHS-B73-10-15 (12.5)	Total/NA	Solid	8082A	115926
180-35776-28	SSHS-B74-SS	Total/NA	Solid	8082A	115926
180-35776-29	SSHS-B74-0.17-2 (1.5)	Total/NA	Solid	8082A	115926
180-35776-30	SSHS-B74-2-6 (5)	Total/NA	Solid	8082A	115926
180-35776-31	SSHS-B74-6-10 (7.5)	Total/NA	Solid	8082A	115926
180-35776-32	SSHS-B74-10-15 (12.5)	Total/NA	Solid	8082A	115926
180-35776-33	SSHS-B90-0.17-2 (1)	Total/NA	Solid	8082A	115926
180-35776-34	SSHS-B90-2-6 (4)	Total/NA	Solid	8082A	115926
180-35776-35	SSHS-B90-6-10 (9)	Total/NA	Solid	8082A	115926
180-35776-36	SSHS-B90-10-15 (13)	Total/NA	Solid	8082A	115926
180-35776-37	SSHS-91-SS	Total/NA	Solid	8082A	115940
180-35776-38	SSHS-91-0.17-2 (1.75)	Total/NA	Solid	8082A	115940
180-35776-39	SSHS-91-2-6 (5)	Total/NA	Solid	8082A	115940
180-35776-40	SSHS-91-6-10 (8)	Total/NA	Solid	8082A	115940
LCS 180-115772/3-C	Lab Control Sample	Total/NA	Solid	8082A	115940
LCS 180-115782/5-C	Lab Control Sample	Total/NA	Solid	8082A	115926
MB 180-115772/1-C	Method Blank	Total/NA	Solid	8082A	115940
MB 180-115782/1-C	Method Blank	Total/NA	Solid	8082A	115926

Analysis Batch: 115944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-14 MS	SSHS-B82-2-6 (4)	Total/NA	Solid	8082A	115926
180-35776-14 MSD	SSHS-B82-2-6 (4)	Total/NA	Solid	8082A	115926
180-35776-17	SSHS-B83-2-6 (5.5)	Total/NA	Solid	8082A	115926
180-35776-18	SSHS-B83-6-10 (8)	Total/NA	Solid	8082A	115926
180-35776-19	SSHS-B83-10-14.5 (12)	Total/NA	Solid	8082A	115926
180-35776-20	SSHS-B85-0.17-2 (1)	Total/NA	Solid	8082A	115926
180-35776-21	SSHS-B85-2-6 (3.5)	Total/NA	Solid	8082A	115926
180-35776-22	SSHS-B85-6-10 (8)	Total/NA	Solid	8082A	115926
180-35776-23	SSHS-B85-10-15 (12.5)	Total/NA	Solid	8082A	115926
180-35776-24	SSHS-B73-0.17-2 (1)	Total/NA	Solid	8082A	115926
180-35776-25	SSHS-B73-2-6 (4)	Total/NA	Solid	8082A	115940
180-35776-25 MS	SSHS-B73-2-6 (4)	Total/NA	Solid	8082A	115940
180-35776-25 MSD	SSHS-B73-2-6 (4)	Total/NA	Solid	8082A	115940
180-35776-26	SSHS-B73-6-10 (8)	Total/NA	Solid	8082A	115926
180-35776-27	SSHS-B73-10-15 (12.5)	Total/NA	Solid	8082A	115926

GC Semi VOA (Continued)

Analysis Batch: 115944 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-28	SSHS-B74-SS	Total/NA	Solid	8082A	115926
180-35776-29	SSHS-B74-0.17-2 (1.5)	Total/NA	Solid	8082A	115926
180-35776-30	SSHS-B74-2-6 (5)	Total/NA	Solid	8082A	115926
180-35776-31	SSHS-B74-6-10 (7.5)	Total/NA	Solid	8082A	115926
180-35776-32	SSHS-B74-10-15 (12.5)	Total/NA	Solid	8082A	115926
180-35776-33	SSHS-B90-0.17-2 (1)	Total/NA	Solid	8082A	115926
180-35776-34	SSHS-B90-2-6 (4)	Total/NA	Solid	8082A	115926
180-35776-35	SSHS-B90-6-10 (9)	Total/NA	Solid	8082A	115926
180-35776-36	SSHS-B90-10-15 (13)	Total/NA	Solid	8082A	115926
180-35776-37	SSHS-91-SS	Total/NA	Solid	8082A	115940
180-35776-38	SSHS-91-0.17-2 (1.75)	Total/NA	Solid	8082A	115940
180-35776-39	SSHS-91-2-6 (5)	Total/NA	Solid	8082A	115940
180-35776-40	SSHS-91-6-10 (8)	Total/NA	Solid	8082A	115940
LCS 180-115772/3-C	Lab Control Sample	Total/NA	Solid	8082A	115940
LCS 180-115782/5-C	Lab Control Sample	Total/NA	Solid	8082A	115926
MB 180-115772/1-C	Method Blank	Total/NA	Solid	8082A	115940
MB 180-115782/1-C	Method Blank	Total/NA	Solid	8082A	115926

Analysis Batch: 115949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-1	SSHS-B86-0.17-2 (1.5)	Total/NA	Solid	8082A	115914
180-35776-2	SSHS-B86-2-6 (3.5)	Total/NA	Solid	8082A	115914
180-35776-3	SSHS-B86-6-10 (8)	Total/NA	Solid	8082A	115914
180-35776-3 MS	SSHS-B86-6-10 (8)	Total/NA	Solid	8082A	115914
180-35776-3 MSD	SSHS-B86-6-10 (8)	Total/NA	Solid	8082A	115914
180-35776-4	SSHS-B86-10-15 (12.5)	Total/NA	Solid	8082A	115914
180-35776-5	SSHS-B88-0.17-2 (1)	Total/NA	Solid	8082A	115914
180-35776-6	SSHS-B88-2-6 (4)	Total/NA	Solid	8082A	115914
180-35776-7	SSHS-B88-6-10 (8)	Total/NA	Solid	8082A	115914
180-35776-8	SSHS-B88-10-15 (12.5)	Total/NA	Solid	8082A	115914
180-35776-9	SSHS-B89-0.17-2 (1)	Total/NA	Solid	8082A	115914
180-35776-10	SSHS-B89-2-6 (5)	Total/NA	Solid	8082A	115914
180-35776-11	SSHS-B89-6-10 (7.5)	Total/NA	Solid	8082A	115914
180-35776-12	SSHS-B89-10-15 (12.5)	Total/NA	Solid	8082A	115914
180-35776-13	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	8082A	115914
180-35776-15	SSHS-B82-6-10 (8)	Total/NA	Solid	8082A	115914
180-35776-16	SSHS-B82-10-15 (12.5)	Total/NA	Solid	8082A	115914
LCS 180-115781/5-C	Lab Control Sample	Total/NA	Solid	8082A	115914
MB 180-115781/1-C	Method Blank	Total/NA	Solid	8082A	115914

Analysis Batch: 115951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-1	SSHS-B86-0.17-2 (1.5)	Total/NA	Solid	8082A	115914
180-35776-2	SSHS-B86-2-6 (3.5)	Total/NA	Solid	8082A	115914
180-35776-3	SSHS-B86-6-10 (8)	Total/NA	Solid	8082A	115914
180-35776-3 MS	SSHS-B86-6-10 (8)	Total/NA	Solid	8082A	115914
180-35776-3 MSD	SSHS-B86-6-10 (8)	Total/NA	Solid	8082A	115914
180-35776-4	SSHS-B86-10-15 (12.5)	Total/NA	Solid	8082A	115914
180-35776-5	SSHS-B88-0.17-2 (1)	Total/NA	Solid	8082A	115914
180-35776-6	SSHS-B88-2-6 (4)	Total/NA	Solid	8082A	115914
180-35776-7	SSHS-B88-6-10 (8)	Total/NA	Solid	8082A	115914

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

GC Semi VOA (Continued)

Analysis Batch: 115951 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-8	SSHS-B88-10-15 (12.5)	Total/NA	Solid	8082A	115914
180-35776-9	SSHS-B89-0.17-2 (1)	Total/NA	Solid	8082A	115914
180-35776-10	SSHS-B89-2-6 (5)	Total/NA	Solid	8082A	115914
180-35776-11	SSHS-B89-6-10 (7.5)	Total/NA	Solid	8082A	115914
180-35776-12	SSHS-B89-10-15 (12.5)	Total/NA	Solid	8082A	115914
180-35776-13	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	8082A	115914
180-35776-15	SSHS-B82-6-10 (8)	Total/NA	Solid	8082A	115914
180-35776-16	SSHS-B82-10-15 (12.5)	Total/NA	Solid	8082A	115914
LCS 180-115781/5-C	Lab Control Sample	Total/NA	Solid	8082A	115914
MB 180-115781/1-C	Method Blank	Total/NA	Solid	8082A	115914

Analysis Batch: 116038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-5	SSHS-B88-0.17-2 (1)	Total/NA	Solid	8081B	115781

Metals

Prep Batch: 115461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-1	SSHS-B86-0.17-2 (1.5)	Total/NA	Solid	3050B	
180-35776-2	SSHS-B86-2-6 (3.5)	Total/NA	Solid	3050B	
180-35776-3	SSHS-B86-6-10 (8)	Total/NA	Solid	3050B	
180-35776-3 MS	SSHS-B86-6-10 (8)	Total/NA	Solid	3050B	
180-35776-3 MSD	SSHS-B86-6-10 (8)	Total/NA	Solid	3050B	
180-35776-4	SSHS-B86-10-15 (12.5)	Total/NA	Solid	3050B	
180-35776-5	SSHS-B88-0.17-2 (1)	Total/NA	Solid	3050B	
180-35776-6	SSHS-B88-2-6 (4)	Total/NA	Solid	3050B	
180-35776-7	SSHS-B88-6-10 (8)	Total/NA	Solid	3050B	
180-35776-8	SSHS-B88-10-15 (12.5)	Total/NA	Solid	3050B	
180-35776-9	SSHS-B89-0.17-2 (1)	Total/NA	Solid	3050B	
180-35776-10	SSHS-B89-2-6 (5)	Total/NA	Solid	3050B	
180-35776-11	SSHS-B89-6-10 (7.5)	Total/NA	Solid	3050B	
180-35776-12	SSHS-B89-10-15 (12.5)	Total/NA	Solid	3050B	
180-35776-13	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	3050B	
LCS 180-115461/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 180-115461/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 115463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-14	SSHS-B82-2-6 (4)	Total/NA	Solid	3050B	
180-35776-14 MS	SSHS-B82-2-6 (4)	Total/NA	Solid	3050B	
180-35776-14 MSD	SSHS-B82-2-6 (4)	Total/NA	Solid	3050B	
180-35776-15	SSHS-B82-6-10 (8)	Total/NA	Solid	3050B	
180-35776-16	SSHS-B82-10-15 (12.5)	Total/NA	Solid	3050B	
180-35776-17	SSHS-B83-2-6 (5.5)	Total/NA	Solid	3050B	
180-35776-18	SSHS-B83-6-10 (8)	Total/NA	Solid	3050B	
180-35776-19	SSHS-B83-10-14.5 (12)	Total/NA	Solid	3050B	
180-35776-20	SSHS-B85-0.17-2 (1)	Total/NA	Solid	3050B	
180-35776-21	SSHS-B85-2-6 (3.5)	Total/NA	Solid	3050B	
180-35776-22	SSHS-B85-6-10 (8)	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 115463 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-23	SSHS-B85-10-15 (12.5)	Total/NA	Solid	3050B	
180-35776-24	SSHS-B73-0.17-2 (1)	Total/NA	Solid	3050B	
180-35776-25	SSHS-B73-2-6 (4)	Total/NA	Solid	3050B	
180-35776-25 MS	SSHS-B73-2-6 (4)	Total/NA	Solid	3050B	
180-35776-25 MSD	SSHS-B73-2-6 (4)	Total/NA	Solid	3050B	
180-35776-26	SSHS-B73-6-10 (8)	Total/NA	Solid	3050B	
180-35776-27	SSHS-B73-10-15 (12.5)	Total/NA	Solid	3050B	
180-35776-28	SSHS-B74-SS	Total/NA	Solid	3050B	
180-35776-29	SSHS-B74-0.17-2 (1.5)	Total/NA	Solid	3050B	
180-35776-30	SSHS-B74-2-6 (5)	Total/NA	Solid	3050B	
180-35776-31	SSHS-B74-6-10 (7.5)	Total/NA	Solid	3050B	
180-35776-32	SSHS-B74-10-15 (12.5)	Total/NA	Solid	3050B	
180-35776-33	SSHS-B90-0.17-2 (1)	Total/NA	Solid	3050B	
LCS 180-115463/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 180-115463/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 115465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-34	SSHS-B90-2-6 (4)	Total/NA	Solid	3050B	
180-35776-35	SSHS-B90-6-10 (9)	Total/NA	Solid	3050B	
180-35776-36	SSHS-B90-10-15 (13)	Total/NA	Solid	3050B	
180-35776-37	SSHS-91-SS	Total/NA	Solid	3050B	
180-35776-38	SSHS-91-0.17-2 (1.75)	Total/NA	Solid	3050B	
180-35776-39	SSHS-91-2-6 (5)	Total/NA	Solid	3050B	
180-35776-40	SSHS-91-6-10 (8)	Total/NA	Solid	3050B	
LCS 180-115465/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 180-115465/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 115583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-14	SSHS-B82-2-6 (4)	Total/NA	Solid	7471B	
180-35776-14 MS	SSHS-B82-2-6 (4)	Total/NA	Solid	7471B	
180-35776-14 MSD	SSHS-B82-2-6 (4)	Total/NA	Solid	7471B	
180-35776-15	SSHS-B82-6-10 (8)	Total/NA	Solid	7471B	
180-35776-16	SSHS-B82-10-15 (12.5)	Total/NA	Solid	7471B	
180-35776-17	SSHS-B83-2-6 (5.5)	Total/NA	Solid	7471B	
180-35776-18	SSHS-B83-6-10 (8)	Total/NA	Solid	7471B	
180-35776-19	SSHS-B83-10-14.5 (12)	Total/NA	Solid	7471B	
LCS 180-115583/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 180-115583/1-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 115584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-1	SSHS-B86-0.17-2 (1.5)	Total/NA	Solid	7471B	
180-35776-2	SSHS-B86-2-6 (3.5)	Total/NA	Solid	7471B	
180-35776-3	SSHS-B86-6-10 (8)	Total/NA	Solid	7471B	
180-35776-3 MS	SSHS-B86-6-10 (8)	Total/NA	Solid	7471B	
180-35776-3 MSD	SSHS-B86-6-10 (8)	Total/NA	Solid	7471B	
180-35776-4	SSHS-B86-10-15 (12.5)	Total/NA	Solid	7471B	
180-35776-5	SSHS-B88-0.17-2 (1)	Total/NA	Solid	7471B	
180-35776-6	SSHS-B88-2-6 (4)	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 115584 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-7	SSHS-B88-6-10 (8)	Total/NA	Solid	7471B	
180-35776-8	SSHS-B88-10-15 (12.5)	Total/NA	Solid	7471B	
180-35776-9	SSHS-B89-0.17-2 (1)	Total/NA	Solid	7471B	
180-35776-10	SSHS-B89-2-6 (5)	Total/NA	Solid	7471B	
180-35776-11	SSHS-B89-6-10 (7.5)	Total/NA	Solid	7471B	
180-35776-12	SSHS-B89-10-15 (12.5)	Total/NA	Solid	7471B	
180-35776-13	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	7471B	
LCS 180-115584/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 180-115584/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 115636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-1	SSHS-B86-0.17-2 (1.5)	Total/NA	Solid	7471B	115584
180-35776-2	SSHS-B86-2-6 (3.5)	Total/NA	Solid	7471B	115584
180-35776-3	SSHS-B86-6-10 (8)	Total/NA	Solid	7471B	115584
180-35776-3 MS	SSHS-B86-6-10 (8)	Total/NA	Solid	7471B	115584
180-35776-3 MSD	SSHS-B86-6-10 (8)	Total/NA	Solid	7471B	115584
180-35776-4	SSHS-B86-10-15 (12.5)	Total/NA	Solid	7471B	115584
180-35776-5	SSHS-B88-0.17-2 (1)	Total/NA	Solid	7471B	115584
180-35776-6	SSHS-B88-2-6 (4)	Total/NA	Solid	7471B	115584
180-35776-7	SSHS-B88-6-10 (8)	Total/NA	Solid	7471B	115584
180-35776-8	SSHS-B88-10-15 (12.5)	Total/NA	Solid	7471B	115584
180-35776-9	SSHS-B89-0.17-2 (1)	Total/NA	Solid	7471B	115584
180-35776-10	SSHS-B89-2-6 (5)	Total/NA	Solid	7471B	115584
180-35776-11	SSHS-B89-6-10 (7.5)	Total/NA	Solid	7471B	115584
180-35776-12	SSHS-B89-10-15 (12.5)	Total/NA	Solid	7471B	115584
180-35776-13	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	7471B	115584
180-35776-14	SSHS-B82-2-6 (4)	Total/NA	Solid	7471B	115583
180-35776-14 MS	SSHS-B82-2-6 (4)	Total/NA	Solid	7471B	115583
180-35776-14 MSD	SSHS-B82-2-6 (4)	Total/NA	Solid	7471B	115583
180-35776-15	SSHS-B82-6-10 (8)	Total/NA	Solid	7471B	115583
180-35776-16	SSHS-B82-10-15 (12.5)	Total/NA	Solid	7471B	115583
180-35776-17	SSHS-B83-2-6 (5.5)	Total/NA	Solid	7471B	115583
180-35776-18	SSHS-B83-6-10 (8)	Total/NA	Solid	7471B	115583
180-35776-19	SSHS-B83-10-14.5 (12)	Total/NA	Solid	7471B	115583
LCS 180-115583/2-A	Lab Control Sample	Total/NA	Solid	7471B	115583
LCS 180-115584/2-A	Lab Control Sample	Total/NA	Solid	7471B	115584
MB 180-115583/1-A	Method Blank	Total/NA	Solid	7471B	115583
MB 180-115584/1-A	Method Blank	Total/NA	Solid	7471B	115584

Prep Batch: 115922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-20	SSHS-B85-0.17-2 (1)	Total/NA	Solid	7471B	
180-35776-21	SSHS-B85-2-6 (3.5)	Total/NA	Solid	7471B	
180-35776-22	SSHS-B85-6-10 (8)	Total/NA	Solid	7471B	
180-35776-23	SSHS-B85-10-15 (12.5)	Total/NA	Solid	7471B	
180-35776-24	SSHS-B73-0.17-2 (1)	Total/NA	Solid	7471B	
180-35776-25	SSHS-B73-2-6 (4)	Total/NA	Solid	7471B	
180-35776-25 MS	SSHS-B73-2-6 (4)	Total/NA	Solid	7471B	
180-35776-25 MSD	SSHS-B73-2-6 (4)	Total/NA	Solid	7471B	
180-35776-26	SSHS-B73-6-10 (8)	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 115922 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-27	SSHS-B73-10-15 (12.5)	Total/NA	Solid	7471B	
180-35776-28	SSHS-B74-SS	Total/NA	Solid	7471B	
180-35776-29	SSHS-B74-0.17-2 (1.5)	Total/NA	Solid	7471B	
180-35776-30	SSHS-B74-2-6 (5)	Total/NA	Solid	7471B	
180-35776-31	SSHS-B74-6-10 (7.5)	Total/NA	Solid	7471B	
180-35776-32	SSHS-B74-10-15 (12.5)	Total/NA	Solid	7471B	
180-35776-33	SSHS-B90-0.17-2 (1)	Total/NA	Solid	7471B	
180-35776-34	SSHS-B90-2-6 (4)	Total/NA	Solid	7471B	
180-35776-35	SSHS-B90-6-10 (9)	Total/NA	Solid	7471B	
180-35776-36	SSHS-B90-10-15 (13)	Total/NA	Solid	7471B	
180-35776-37	SSHS-91-SS	Total/NA	Solid	7471B	
180-35776-38	SSHS-91-0.17-2 (1.75)	Total/NA	Solid	7471B	
LCS 180-115922/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 180-115922/1-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 115923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-39	SSHS-91-2-6 (5)	Total/NA	Solid	7471B	
180-35776-40	SSHS-91-6-10 (8)	Total/NA	Solid	7471B	
LCS 180-115923/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 180-115923/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 115966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-20	SSHS-B85-0.17-2 (1)	Total/NA	Solid	7471B	115922
180-35776-21	SSHS-B85-2-6 (3.5)	Total/NA	Solid	7471B	115922
180-35776-22	SSHS-B85-6-10 (8)	Total/NA	Solid	7471B	115922
180-35776-23	SSHS-B85-10-15 (12.5)	Total/NA	Solid	7471B	115922
180-35776-24	SSHS-B73-0.17-2 (1)	Total/NA	Solid	7471B	115922
180-35776-25	SSHS-B73-2-6 (4)	Total/NA	Solid	7471B	115922
180-35776-25 MS	SSHS-B73-2-6 (4)	Total/NA	Solid	7471B	115922
180-35776-25 MSD	SSHS-B73-2-6 (4)	Total/NA	Solid	7471B	115922
180-35776-26	SSHS-B73-6-10 (8)	Total/NA	Solid	7471B	115922
180-35776-27	SSHS-B73-10-15 (12.5)	Total/NA	Solid	7471B	115922
180-35776-28	SSHS-B74-SS	Total/NA	Solid	7471B	115922
180-35776-29	SSHS-B74-0.17-2 (1.5)	Total/NA	Solid	7471B	115922
180-35776-30	SSHS-B74-2-6 (5)	Total/NA	Solid	7471B	115922
180-35776-31	SSHS-B74-6-10 (7.5)	Total/NA	Solid	7471B	115922
180-35776-32	SSHS-B74-10-15 (12.5)	Total/NA	Solid	7471B	115922
180-35776-33	SSHS-B90-0.17-2 (1)	Total/NA	Solid	7471B	115922
180-35776-34	SSHS-B90-2-6 (4)	Total/NA	Solid	7471B	115922
180-35776-35	SSHS-B90-6-10 (9)	Total/NA	Solid	7471B	115922
180-35776-36	SSHS-B90-10-15 (13)	Total/NA	Solid	7471B	115922
180-35776-37	SSHS-91-SS	Total/NA	Solid	7471B	115922
180-35776-38	SSHS-91-0.17-2 (1.75)	Total/NA	Solid	7471B	115922
180-35776-39	SSHS-91-2-6 (5)	Total/NA	Solid	7471B	115923
180-35776-40	SSHS-91-6-10 (8)	Total/NA	Solid	7471B	115923
LCS 180-115922/2-A	Lab Control Sample	Total/NA	Solid	7471B	115922
LCS 180-115923/2-A	Lab Control Sample	Total/NA	Solid	7471B	115923
MB 180-115922/1-A	Method Blank	Total/NA	Solid	7471B	115922
MB 180-115923/1-A	Method Blank	Total/NA	Solid	7471B	115923

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-1

Metals (Continued)

Analysis Batch: 116139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-1	SSHS-B86-0.17-2 (1.5)	Total/NA	Solid	6010C	115461
180-35776-2	SSHS-B86-2-6 (3.5)	Total/NA	Solid	6010C	115461
180-35776-3	SSHS-B86-6-10 (8)	Total/NA	Solid	6010C	115461
180-35776-3 MS	SSHS-B86-6-10 (8)	Total/NA	Solid	6010C	115461
180-35776-3 MSD	SSHS-B86-6-10 (8)	Total/NA	Solid	6010C	115461
180-35776-4	SSHS-B86-10-15 (12.5)	Total/NA	Solid	6010C	115461
180-35776-5	SSHS-B88-0.17-2 (1)	Total/NA	Solid	6010C	115461
180-35776-6	SSHS-B88-2-6 (4)	Total/NA	Solid	6010C	115461
180-35776-7	SSHS-B88-6-10 (8)	Total/NA	Solid	6010C	115461
180-35776-8	SSHS-B88-10-15 (12.5)	Total/NA	Solid	6010C	115461
180-35776-9	SSHS-B89-0.17-2 (1)	Total/NA	Solid	6010C	115461
180-35776-10	SSHS-B89-2-6 (5)	Total/NA	Solid	6010C	115461
180-35776-11	SSHS-B89-6-10 (7.5)	Total/NA	Solid	6010C	115461
180-35776-12	SSHS-B89-10-15 (12.5)	Total/NA	Solid	6010C	115461
180-35776-13	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	6010C	115461
180-35776-14	SSHS-B82-2-6 (4)	Total/NA	Solid	6010C	115463
180-35776-14 MS	SSHS-B82-2-6 (4)	Total/NA	Solid	6010C	115463
180-35776-14 MSD	SSHS-B82-2-6 (4)	Total/NA	Solid	6010C	115463
180-35776-15	SSHS-B82-6-10 (8)	Total/NA	Solid	6010C	115463
180-35776-16	SSHS-B82-10-15 (12.5)	Total/NA	Solid	6010C	115463
180-35776-17	SSHS-B83-2-6 (5.5)	Total/NA	Solid	6010C	115463
180-35776-18	SSHS-B83-6-10 (8)	Total/NA	Solid	6010C	115463
180-35776-19	SSHS-B83-10-14.5 (12)	Total/NA	Solid	6010C	115463
180-35776-20	SSHS-B85-0.17-2 (1)	Total/NA	Solid	6010C	115463
180-35776-21	SSHS-B85-2-6 (3.5)	Total/NA	Solid	6010C	115463
180-35776-22	SSHS-B85-6-10 (8)	Total/NA	Solid	6010C	115463
180-35776-23	SSHS-B85-10-15 (12.5)	Total/NA	Solid	6010C	115463
180-35776-24	SSHS-B73-0.17-2 (1)	Total/NA	Solid	6010C	115463
180-35776-25	SSHS-B73-2-6 (4)	Total/NA	Solid	6010C	115463
180-35776-25 MS	SSHS-B73-2-6 (4)	Total/NA	Solid	6010C	115463
180-35776-25 MSD	SSHS-B73-2-6 (4)	Total/NA	Solid	6010C	115463
180-35776-26	SSHS-B73-6-10 (8)	Total/NA	Solid	6010C	115463
180-35776-27	SSHS-B73-10-15 (12.5)	Total/NA	Solid	6010C	115463
180-35776-28	SSHS-B74-SS	Total/NA	Solid	6010C	115463
180-35776-29	SSHS-B74-0.17-2 (1.5)	Total/NA	Solid	6010C	115463
180-35776-30	SSHS-B74-2-6 (5)	Total/NA	Solid	6010C	115463
180-35776-31	SSHS-B74-6-10 (7.5)	Total/NA	Solid	6010C	115463
180-35776-32	SSHS-B74-10-15 (12.5)	Total/NA	Solid	6010C	115463
180-35776-33	SSHS-B90-0.17-2 (1)	Total/NA	Solid	6010C	115463
LCS 180-115461/2-A	Lab Control Sample	Total/NA	Solid	6010C	115461
LCS 180-115463/2-A	Lab Control Sample	Total/NA	Solid	6010C	115463
MB 180-115461/1-A	Method Blank	Total/NA	Solid	6010C	115461
MB 180-115463/1-A	Method Blank	Total/NA	Solid	6010C	115463

Analysis Batch: 116214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-16	SSHS-B82-10-15 (12.5)	Total/NA	Solid	6010C	115463
180-35776-34	SSHS-B90-2-6 (4)	Total/NA	Solid	6010C	115465
180-35776-35	SSHS-B90-6-10 (9)	Total/NA	Solid	6010C	115465
180-35776-36	SSHS-B90-10-15 (13)	Total/NA	Solid	6010C	115465
180-35776-37	SSHS-91-SS	Total/NA	Solid	6010C	115465

Metals (Continued)

Analysis Batch: 116214 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-38	SSHS-91-0.17-2 (1.75)	Total/NA	Solid	6010C	115465
180-35776-39	SSHS-91-2-6 (5)	Total/NA	Solid	6010C	115465
180-35776-40	SSHS-91-6-10 (8)	Total/NA	Solid	6010C	115465
LCS 180-115463/2-A	Lab Control Sample	Total/NA	Solid	6010C	115463
LCS 180-115465/2-A	Lab Control Sample	Total/NA	Solid	6010C	115465
MB 180-115465/1-A	Method Blank	Total/NA	Solid	6010C	115465

General Chemistry

Analysis Batch: 114863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-1	SSHS-B86-0.17-2 (1.5)	Total/NA	Solid	2540G	
180-35776-2	SSHS-B86-2-6 (3.5)	Total/NA	Solid	2540G	
180-35776-3	SSHS-B86-6-10 (8)	Total/NA	Solid	2540G	
180-35776-3 DU	SSHS-B86-6-10 (8)	Total/NA	Solid	2540G	
180-35776-4	SSHS-B86-10-15 (12.5)	Total/NA	Solid	2540G	
180-35776-5	SSHS-B88-0.17-2 (1)	Total/NA	Solid	2540G	
180-35776-6	SSHS-B88-2-6 (4)	Total/NA	Solid	2540G	
180-35776-7	SSHS-B88-6-10 (8)	Total/NA	Solid	2540G	
180-35776-8	SSHS-B88-10-15 (12.5)	Total/NA	Solid	2540G	
180-35776-9	SSHS-B89-0.17-2 (1)	Total/NA	Solid	2540G	
180-35776-10	SSHS-B89-2-6 (5)	Total/NA	Solid	2540G	
180-35776-11	SSHS-B89-6-10 (7.5)	Total/NA	Solid	2540G	
180-35776-12	SSHS-B89-10-15 (12.5)	Total/NA	Solid	2540G	
180-35776-14	SSHS-B82-2-6 (4)	Total/NA	Solid	2540G	
180-35776-14 DU	SSHS-B82-2-6 (4)	Total/NA	Solid	2540G	

Analysis Batch: 114872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-13	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	2540G	
180-35776-15	SSHS-B82-6-10 (8)	Total/NA	Solid	2540G	
180-35776-16	SSHS-B82-10-15 (12.5)	Total/NA	Solid	2540G	
180-35776-17	SSHS-B83-2-6 (5.5)	Total/NA	Solid	2540G	
180-35776-18	SSHS-B83-6-10 (8)	Total/NA	Solid	2540G	
180-35776-19	SSHS-B83-10-14.5 (12)	Total/NA	Solid	2540G	
180-35776-20	SSHS-B85-0.17-2 (1)	Total/NA	Solid	2540G	
180-35776-21	SSHS-B85-2-6 (3.5)	Total/NA	Solid	2540G	
180-35776-22	SSHS-B85-6-10 (8)	Total/NA	Solid	2540G	
180-35776-23	SSHS-B85-10-15 (12.5)	Total/NA	Solid	2540G	
180-35776-24	SSHS-B73-0.17-2 (1)	Total/NA	Solid	2540G	
180-35776-25	SSHS-B73-2-6 (4)	Total/NA	Solid	2540G	
180-35776-25 DU	SSHS-B73-2-6 (4)	Total/NA	Solid	2540G	
180-35776-26	SSHS-B73-6-10 (8)	Total/NA	Solid	2540G	
180-35776-27	SSHS-B73-10-15 (12.5)	Total/NA	Solid	2540G	
180-35776-28	SSHS-B74-SS	Total/NA	Solid	2540G	
180-35776-29	SSHS-B74-0.17-2 (1.5)	Total/NA	Solid	2540G	
180-35776-30	SSHS-B74-2-6 (5)	Total/NA	Solid	2540G	
180-35776-31	SSHS-B74-6-10 (7.5)	Total/NA	Solid	2540G	
180-35776-32	SSHS-B74-10-15 (12.5)	Total/NA	Solid	2540G	

QC Association Summary

General Chemistry (Continued)

Analysis Batch: 114879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-33	SSHS-B90-0.17-2 (1)	Total/NA	Solid	2540G	
180-35776-33 DU	SSHS-B90-0.17-2 (1)	Total/NA	Solid	2540G	
180-35776-34	SSHS-B90-2-6 (4)	Total/NA	Solid	2540G	
180-35776-35	SSHS-B90-6-10 (9)	Total/NA	Solid	2540G	
180-35776-36	SSHS-B90-10-15 (13)	Total/NA	Solid	2540G	
180-35776-37	SSHS-91-SS	Total/NA	Solid	2540G	
180-35776-38	SSHS-91-0.17-2 (1.75)	Total/NA	Solid	2540G	
180-35776-39	SSHS-91-2-6 (5)	Total/NA	Solid	2540G	
180-35776-40	SSHS-91-6-10 (8)	Total/NA	Solid	2540G	

Prep Batch: 115269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-1	SSHS-B86-0.17-2 (1.5)	Total/NA	Solid	9010C	
180-35776-2	SSHS-B86-2-6 (3.5)	Total/NA	Solid	9010C	
180-35776-3	SSHS-B86-6-10 (8)	Total/NA	Solid	9010C	
180-35776-3 MS	SSHS-B86-6-10 (8)	Total/NA	Solid	9010C	
180-35776-3 MSD	SSHS-B86-6-10 (8)	Total/NA	Solid	9010C	
180-35776-4	SSHS-B86-10-15 (12.5)	Total/NA	Solid	9010C	
180-35776-5	SSHS-B88-0.17-2 (1)	Total/NA	Solid	9010C	
180-35776-6	SSHS-B88-2-6 (4)	Total/NA	Solid	9010C	
180-35776-7	SSHS-B88-6-10 (8)	Total/NA	Solid	9010C	
180-35776-8	SSHS-B88-10-15 (12.5)	Total/NA	Solid	9010C	
180-35776-9	SSHS-B89-0.17-2 (1)	Total/NA	Solid	9010C	
180-35776-10	SSHS-B89-2-6 (5)	Total/NA	Solid	9010C	
180-35776-11	SSHS-B89-6-10 (7.5)	Total/NA	Solid	9010C	
HLCS 180-115269/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-115269/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-115269/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-115269/4-A	Method Blank	Total/NA	Solid	9010C	

Prep Batch: 115397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-12	SSHS-B89-10-15 (12.5)	Total/NA	Solid	9010C	
180-35776-13	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	9010C	
180-35776-14	SSHS-B82-2-6 (4)	Total/NA	Solid	9010C	
180-35776-14 MS	SSHS-B82-2-6 (4)	Total/NA	Solid	9010C	
180-35776-14 MSD	SSHS-B82-2-6 (4)	Total/NA	Solid	9010C	
180-35776-15	SSHS-B82-6-10 (8)	Total/NA	Solid	9010C	
180-35776-16	SSHS-B82-10-15 (12.5)	Total/NA	Solid	9010C	
180-35776-17	SSHS-B83-2-6 (5.5)	Total/NA	Solid	9010C	
180-35776-18	SSHS-B83-6-10 (8)	Total/NA	Solid	9010C	
180-35776-19	SSHS-B83-10-14.5 (12)	Total/NA	Solid	9010C	
180-35776-20	SSHS-B85-0.17-2 (1)	Total/NA	Solid	9010C	
180-35776-21	SSHS-B85-2-6 (3.5)	Total/NA	Solid	9010C	
180-35776-22	SSHS-B85-6-10 (8)	Total/NA	Solid	9010C	
180-35776-22 MS	SSHS-B85-6-10 (8)	Total/NA	Solid	9010C	
180-35776-23	SSHS-B85-10-15 (12.5)	Total/NA	Solid	9010C	
180-35776-24	SSHS-B73-0.17-2 (1)	Total/NA	Solid	9010C	
180-35776-26	SSHS-B73-6-10 (8)	Total/NA	Solid	9010C	
180-35776-27	SSHS-B73-10-15 (12.5)	Total/NA	Solid	9010C	
180-35776-28	SSHS-B74-SS	Total/NA	Solid	9010C	

General Chemistry (Continued)

Prep Batch: 115397 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-29	SSHS-B74-0.17-2 (1.5)	Total/NA	Solid	9010C	
180-35776-30	SSHS-B74-2-6 (5)	Total/NA	Solid	9010C	
180-35776-31	SSHS-B74-6-10 (7.5)	Total/NA	Solid	9010C	
HLCS 180-115397/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-115397/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-115397/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-115397/4-A	Method Blank	Total/NA	Solid	9010C	

Prep Batch: 115467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-25	SSHS-B73-2-6 (4)	Total/NA	Solid	9010C	
180-35776-25 MS	SSHS-B73-2-6 (4)	Total/NA	Solid	9010C	
180-35776-25 MSD	SSHS-B73-2-6 (4)	Total/NA	Solid	9010C	
180-35776-32	SSHS-B74-10-15 (12.5)	Total/NA	Solid	9010C	
180-35776-33	SSHS-B90-0.17-2 (1)	Total/NA	Solid	9010C	
180-35776-34	SSHS-B90-2-6 (4)	Total/NA	Solid	9010C	
180-35776-35	SSHS-B90-6-10 (9)	Total/NA	Solid	9010C	
180-35776-36	SSHS-B90-10-15 (13)	Total/NA	Solid	9010C	
180-35776-37	SSHS-91-SS	Total/NA	Solid	9010C	
180-35776-38	SSHS-91-0.17-2 (1.75)	Total/NA	Solid	9010C	
180-35776-39	SSHS-91-2-6 (5)	Total/NA	Solid	9010C	
180-35776-40	SSHS-91-6-10 (8)	Total/NA	Solid	9010C	
HLCS 180-115467/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-115467/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-115467/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-115467/4-A	Method Blank	Total/NA	Solid	9010C	

Analysis Batch: 115506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-1	SSHS-B86-0.17-2 (1.5)	Total/NA	Solid	9014	115269
180-35776-2	SSHS-B86-2-6 (3.5)	Total/NA	Solid	9014	115269
180-35776-3	SSHS-B86-6-10 (8)	Total/NA	Solid	9014	115269
180-35776-3 MS	SSHS-B86-6-10 (8)	Total/NA	Solid	9014	115269
180-35776-3 MSD	SSHS-B86-6-10 (8)	Total/NA	Solid	9014	115269
180-35776-4	SSHS-B86-10-15 (12.5)	Total/NA	Solid	9014	115269
180-35776-5	SSHS-B88-0.17-2 (1)	Total/NA	Solid	9014	115269
180-35776-6	SSHS-B88-2-6 (4)	Total/NA	Solid	9014	115269
180-35776-7	SSHS-B88-6-10 (8)	Total/NA	Solid	9014	115269
180-35776-8	SSHS-B88-10-15 (12.5)	Total/NA	Solid	9014	115269
180-35776-9	SSHS-B89-0.17-2 (1)	Total/NA	Solid	9014	115269
180-35776-10	SSHS-B89-2-6 (5)	Total/NA	Solid	9014	115269
180-35776-11	SSHS-B89-6-10 (7.5)	Total/NA	Solid	9014	115269
180-35776-12	SSHS-B89-10-15 (12.5)	Total/NA	Solid	9014	115397
180-35776-13	SSHS-B82-0.17-2 (1.5)	Total/NA	Solid	9014	115397
180-35776-14	SSHS-B82-2-6 (4)	Total/NA	Solid	9014	115397
180-35776-14 MS	SSHS-B82-2-6 (4)	Total/NA	Solid	9014	115397
180-35776-14 MSD	SSHS-B82-2-6 (4)	Total/NA	Solid	9014	115397
180-35776-15	SSHS-B82-6-10 (8)	Total/NA	Solid	9014	115397
180-35776-16	SSHS-B82-10-15 (12.5)	Total/NA	Solid	9014	115397
180-35776-17	SSHS-B83-2-6 (5.5)	Total/NA	Solid	9014	115397
180-35776-18	SSHS-B83-6-10 (8)	Total/NA	Solid	9014	115397

General Chemistry (Continued)

Analysis Batch: 115506 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-19	SSHS-B83-10-14.5 (12)	Total/NA	Solid	9014	115397
180-35776-20	SSHS-B85-0.17-2 (1)	Total/NA	Solid	9014	115397
180-35776-21	SSHS-B85-2-6 (3.5)	Total/NA	Solid	9014	115397
180-35776-22	SSHS-B85-6-10 (8)	Total/NA	Solid	9014	115397
180-35776-22 MS	SSHS-B85-6-10 (8)	Total/NA	Solid	9014	115397
180-35776-23	SSHS-B85-10-15 (12.5)	Total/NA	Solid	9014	115397
180-35776-24	SSHS-B73-0.17-2 (1)	Total/NA	Solid	9014	115397
180-35776-25	SSHS-B73-2-6 (4)	Total/NA	Solid	9014	115467
180-35776-25 MS	SSHS-B73-2-6 (4)	Total/NA	Solid	9014	115467
180-35776-25 MSD	SSHS-B73-2-6 (4)	Total/NA	Solid	9014	115467
180-35776-26	SSHS-B73-6-10 (8)	Total/NA	Solid	9014	115397
180-35776-27	SSHS-B73-10-15 (12.5)	Total/NA	Solid	9014	115397
180-35776-28	SSHS-B74-SS	Total/NA	Solid	9014	115397
180-35776-29	SSHS-B74-0.17-2 (1.5)	Total/NA	Solid	9014	115397
180-35776-30	SSHS-B74-2-6 (5)	Total/NA	Solid	9014	115397
180-35776-31	SSHS-B74-6-10 (7.5)	Total/NA	Solid	9014	115397
180-35776-32	SSHS-B74-10-15 (12.5)	Total/NA	Solid	9014	115467
180-35776-33	SSHS-B90-0.17-2 (1)	Total/NA	Solid	9014	115467
180-35776-34	SSHS-B90-2-6 (4)	Total/NA	Solid	9014	115467
180-35776-35	SSHS-B90-6-10 (9)	Total/NA	Solid	9014	115467
180-35776-36	SSHS-B90-10-15 (13)	Total/NA	Solid	9014	115467
180-35776-37	SSHS-91-SS	Total/NA	Solid	9014	115467
180-35776-38	SSHS-91-0.17-2 (1.75)	Total/NA	Solid	9014	115467
180-35776-39	SSHS-91-2-6 (5)	Total/NA	Solid	9014	115467
180-35776-40	SSHS-91-6-10 (8)	Total/NA	Solid	9014	115467
HLCS 180-115269/2-A	Lab Control Sample	Total/NA	Solid	9014	115269
HLCS 180-115397/2-A	Lab Control Sample	Total/NA	Solid	9014	115397
HLCS 180-115467/2-A	Lab Control Sample	Total/NA	Solid	9014	115467
LCS 180-115269/3-A	Lab Control Sample	Total/NA	Solid	9014	115269
LCS 180-115397/3-A	Lab Control Sample	Total/NA	Solid	9014	115397
LCS 180-115467/3-A	Lab Control Sample	Total/NA	Solid	9014	115467
LLCS 180-115269/1-A	Lab Control Sample	Total/NA	Solid	9014	115269
LLCS 180-115397/1-A	Lab Control Sample	Total/NA	Solid	9014	115397
LLCS 180-115467/1-A	Lab Control Sample	Total/NA	Solid	9014	115467
MB 180-115269/4-A	Method Blank	Total/NA	Solid	9014	115269
MB 180-115397/4-A	Method Blank	Total/NA	Solid	9014	115397
MB 180-115467/4-A	Method Blank	Total/NA	Solid	9014	115467

1 Temp = 3.2 + CF = 3.2 Thermo 5
2 3.1 3.1
3 2.5 2.5
4 1.9 1.9
5 2.3 2.3

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 8 of 8
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B - Metals	Cyanide	8260B - VOCs LL + TICs	8270D - SVOCs LL + TICs	8082/8081 PCBs/PEST	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
55HS-B86-0.17-2 (1.5)	8/13/14	1458	C/G	S			X	X	X	X	X		8 Coolers
55HS-B86-2-6 (3.5)	8/13/14	1503	C/G	S			X	X	X	X	X		
55HS-B86 ~~4~~-6-10 (8)	8/13/14	1515	C/G	S			X	X	X	X	X		
55HS-B86-6-10 (8) MS/MSD	8/13/14	1515	C/G	S		Y	X	X	X	X	X		
55HS-B86-10-15 (12.5)	8/13/14	1522	C/G	S			X	X	X	X	X		
55HS-B88-0.17-2 (1)	8/13/14	1333	C/G	S			X	X	X	X	X		
55HS-B88-2-6 (4)	8/13/14	1340	C/G	S			X	X	X	X	X		
55HS-B88-6-10 (8)	8/13/14	1345	C/G	S			X	X	X	X	X		
55HS-B88-10-15 (12.5)	8/13/14	1355	C/G	S			X	X	X	X	X		
55HS-B89-0.17-2 (1)	8/13/14	1410	C/G	S			X	X	X	X	X		
55HS-B89-~~0.17~~2-6 (6)	8/13/14	1418	C/G	S			X	X	X	X	X		

Other: Lab Courier

Preservation Codes:

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

180-35776 Chain of Custody

Possible Hazard Identification ⑬
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:	Method of Shipment:	
Relinquished by:	Date/Time: 8/14/13 0700	Company: Geosyntec	Received by: Chad Kennedy	Date/Time: 8/14/14 7:00	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/14/14 1308	Company: TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 2 of 8
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B - Metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082A/8081 PCBs/PEST									Total Number of containers	Special Instructions/Note: Lab Courier
			Preservation Code:		☒	☒														☒	
SSHS-B89-6-10 (7.5)	8/13/14	1424	C/G	S			X	X	X	X	X										
SSHS-B89-10-15 (12.5)	8/13/14	1430	C/G	S			X	X	X	X	X										
SSHS-B82-0.17-2 (1.5)	8/13/14	1650	C/G	S			X	X	X	X	X										
SSHS-B82-2-6 (4)	8/13/14	1658	C/G	S			X	X	X	X	X										
SSHS-B82-2-6 (4) MS/MSD	8/13/14	1658	C/G	S		Y	X	X	X	X	X										
SSHS-B82-6-10 (8)	8/13/14	1708	C/G	S			X	X	X	X	X										
SSHS-B82-10-15 (12.5)	8/13/14	1715	C/G	S			X	X	X	X	X										
SSHS-B83-2-6 (5.5)	8/13/14	1745	C/G	S			X	X	X	X	X										
SSHS-B83-6-10 (8)	8/13/14	1749	C/G	S			X	X	X	X	X										
SSHS-B83-10-14.5 (12)	8/13/14	1754	C/G	S			X	X	X	X	X										
SSHS-B85-0.17-2 (1)	8/13/14	1555	C/G	S			X	X	X	X	X										

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 8/14/13 0700	Company Geosyntec	Received by: Chad Kennedy	Date/Time: 8/14/14 7:00	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/14/14 1308	Company TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information

Client Contact: Adam Gray
Company: Geosyntec Consultants, Inc.
Address: 10220 Old Columbia Road Suite A
City: Columbia
State, Zip: MD, 21046
Phone:
Email: agray@geosyntec.com
Project Name: Former Sperry Remington Site - North
Site:

Sampler: Adam Gray
Phone: 301-379-0933
Due Date Requested:
TAT Requested (days): Normal
PO #: MN0832
WO #:
Project #: 18013464
SSOW#:

Lab PM: Dunlap, David A
E-Mail: dave.dunlap@testamericainc.com
Carrier Tracking No(s):

COC No: 180-18661-4775.8
Page: Page 3 of 8
Job #:

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA

M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B - Metals	Cyanide	8260B - VOCs LL + TICs	8270D - SVOCs LL + TICs	8082A/8081 PCBs/PEST	Total Number of containers	Special Instructions/Note: Lab Courier
			Preservation Code:										
SSHS-B85-2-6(3.5)	8/13/14	1603	C/G	S			X	X	X	X	X		
SSHS-B85-6-10 (8)	8/13/14	1610	C/G	S			X	X	X	X	X		
SSHS-B85-10-15(12.5)	8/13/14	1620	C/G	S			X	X	X	X	X		
SSHS-B73-0.17-2(1)	8/13/14	0950	C/G	S			X	X	X	X	X		
SSHS-B73-2-6 (4)	8/13/14	1005	C/G	S			X	X	X	X	X		
SSHS-B73-6-10(8)	8/13/14	1010	C/G	S			X	X	X	X	X		
SSHS-B73-2-6 (4) MS/MSD	8/13/14	1005	C/G	S		Y	X	X	X	X	X		
SSHS-B73-10-15(12.5)	8/13/14	1025	C/G	S			X	X	X	X	X		
SSHS-B74-SS	8/13/14	0900	C/G	S			X	X	X	X	X		
SSHS-B74-0.17-2(1.5)	8/13/14	0909	C/G	S			X	X	X	X	X		
SSHS-B74-2-6(5)	8/13/14	0910	C/G	S			X	X	X	X	X		

Parent

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time: 8/14/13 0700	Company: Geosyntec	Received by: Chuck Kennedy	Date/Time: 8/14/14 7:00	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/14/14 1308	Company: TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler:	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone:	E-Mail: dave.dunlap@testamericainc.com		Page: Page 4 of 8
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days):			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

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

Special Instructions/Note: Lab Courier

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B - Metals	Cyanide	8260B - VOCs LL TICS	8270D - VOCs LLTICS	8082A/8081 PCBs/PEST	Total Number of containers	Special Instructions/Note
			Preservation Code:										
SSHS-B74-6-10 (7.5)	8/13/14	0920	C/G	S			X	X	X	X	X		
SSHS-B74-10-15 (12.5)	8/13/14	0929	C/G	S			X	X	X	X	X		
SSHS-B90-0.17-2 (1)	8/13/14	1136	C/G	S			X	X	X	X	X		
SSHS-B90-2-6 (4)	8/13/14	1140	C/G	S			X	X	X	X	X		
SSHS-B90-6-10 (9)	8/13/14	1151	C/G	S			X	X	X	X	X		
SSHS-B90-10-15 (13)	8/13/14	1158	C/G	S			X	X	X	X	X		
SSHS-B91-SS	8/13/14	1043	C/G	S			X	X	X	X	X		
SSHS-B91-0.17-2 (1.75)	8/13/14	1047	C/G	S			X	X	X	X	X		
SSHS-B91-2-6 (5)	8/13/14	1053	C/G	S			X	X	X	X	X		
SSHS-B91-6-10 (8)	8/13/14	1100	C/G	S			X	X	X	X	X		
SSHS-B91-10-15 (12.5)	8/13/14	1108	C/G	S			X	X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 8/14/13 0700	Company: Geosyntec	Received by: Chad Kennedy	Date/Time: 8/14/14 7:00	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/14/14 1308	Company: TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler:	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone:	E-Mail: dave.dunlap@testamericainc.com		Page: Page 5 of 8
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10220 Old Columbia Road Suite A
City: Columbia
State, Zip: MD, 21046
Phone:
Email: agray@geosyntec.com
Project Name: Former Sperry Remington Site - North
Site:

Due Date Requested:
TAT Requested (days):
PO #: MN0832
WO #:
Project #: 18013464
SSOW#:

Analysis Requested

Preservation Codes:

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

Other:

Lab Courier

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B Metals	Cyanide	8260B - VOCs LL-TICs	8270D - SVOCs LL-TICs	8082/8081 PCB/PEST	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X						X	
SSHS-B99-SS	8/13/14	1327	C/4	S			X	X	X	X	X		
SSHS-B99-SS MS/MSD	8/13/14	1327	C/4	S			X	X	X	X	X		
SSHS-B99-0.17-2(1)	8/13/14	1330	C/4	S			X	X	X	X	X		
SSHS-B99-2-6(4)	8/13/14	1339	C/4	S			X	X	X	X	X		
SSHS-B99-6-10(8)	8/13/14	1352	C/4	S			X	X	X	X	X		
SSHS-B99-10-14.5(12)	8/13/14	1405	C/4	S			X	X	X	X	X		
SSHS-B98-SS	8/13/14	1045 ~~[illegible]~~	C/4	S			X	X	X	X	X		time 1045
SSHS-B98-0.17-2(1)	8/13/14	1049 ~~[illegible]~~	C/4	S			X	X	X	X	X		time 1049
SSHS-B98-6-10(7.5)	8/13/14	1108	C/4	S			X	X	X	X	X		
SSHS-B98-2-6(3.5)	8/13/14	1056	C/4	S			X	X	X	X	X		
SSHS-B98-10-12(12)	8/13/14	1120	C/4	S			X	X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____________ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:
Relinquished by:	Date/Time: 8/14/13 0700	Company Geosyntec	Received by:	Date/Time: 8/14/14 7:00	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/14/14 1308	Company TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler:	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone:	E-Mail: dave.dunlap@testamericainc.com		Page: Page 6 of 8
Company: Geosyntec Consultants, Inc.		**Analysis Requested**		Job #:
Address: 10220 Old Columbia Road Suite A	**Due Date Requested:**			
City: Columbia	**TAT Requested (days):**			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:

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

Other:

Special Instructions/Note: Lab Courier

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B - Metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082A/8081 PCBs/PEST	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SSHS-B97-SS	8/13/14	0850	C/G	S			X	X	X	X	X		
SSHS-B97-0.17-2 (1)	8/13/14	0854	C/G	S			X	X	X	X	X		
SSHS-B97-2-6 (5)	8/13/14	0859	C/G	S			X	X	X	X	X		
SSHS-B97-6-10 (8)	8/13/14	0952	C/G	S			X	X	X	X	X		
SSHS-B97-10-16 (13)	8/13/14	0959	C/G	S			X	X	X	X	X		
SSHS-B29-A-SS	8/13/14	1508	C/G	S			X	X	X	X	X		
SSHS-B29-A-0.17-2 (1.5)	8/13/14	1509	C/G	S			X	X	X	X	X		
SSHS-B29-A-2-6 (4.5)	8/13/14	1534	C/G	S			X	X	X	X	X		
SSHS-B29-A-8-10 (8.5)	8/13/14	1547	C/G	S			X	X	X	X	X		
SSHS-B29-A-10-12 (11.5)	8/13/14	1609	C/G	S			X	X	X	X	X		
DUP-04	8/13/14	–	C/G	S			X	X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 8/14/15 0700	Company: Geosyntec	Received by: Chad Kent	Date/Time: 8/14/14 7:00	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/14/14 1308	Company: TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler:	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone:	E-Mail: dave.dunlap@testamericainc.com		Page: Page 7 of 8
Company: Geosyntec Consultants, Inc.		**Analysis Requested**		Job #:

Address: 10220 Old Columbia Road Suite A
City: Columbia
State, Zip: MD, 21046
Phone:
Email: agray@geosyntec.com
Project Name: Former Sperry Remington Site - North
Site:

Due Date Requested:
TAT Requested (days):
PO #: MN0832
WO #:
Project #: 18013464
SSOW#:

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B - Metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082A/8081 PCBs/PEST		Total Number of containers	Special Instructions/Note: Lab Control
			Preservation Code:											
DUP-05	8/13/14	–	C/4	S			X	X	X	X	X			
DUP-06	8/13/14	–	C/4	S			X	X	X	X	X			
DUP-07	8/13/14	–	C/4	S			X	X	X	X	X			
DUP-08	8/13/14	–	C/4	S			X	X	X	X	X			
DUP-09	8/13/14	–	C/4	S			X	X	X	X	X			
DUP-10	8/13/14	–	C/4	S			X	X	X	X	X			
DUP-11	8/13/14	–	C/4	S			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	DAD 8/14/14		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:
Date:
Time:
Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	8/14/14 0700	Geosyntec		8/14/14 7:00	
				8/14/14 1308	TA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler:	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone:	E-Mail: dave.dunlap@testamericainc.com		Page: Page 8 of 8
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days):			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOCs LL+TICs	8015D - TPH GRO	8015D - TPH DRO	8082A - PCBs Low Level	8081 - PEST Low Level	8270D - SVOCs LL+TICs	6010C/7471B - Metals	Cyanide						Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
55HS-B97-GW-18-22	8/13/14	0936	G	W			X														
55HS-B98-GW-18-22	8/13/14	1142	G	W			X														
55HS-B29-A-GW-18-22	8/13/14	1630	G	W			X	X	X	X		X	added per Aran Krausnopda DAD 8/14/14								Potential Product (Petroleum) Droplets in Samples
55HS-B99-GW-17-21	8/13/14	1430	G	W			X	X	X	X		X									
20140813-EQUIPMENT BLANK-GW	8/13/14	1720	G	W			X	X	X	X											
20140813-EQUIPMENT BLANK-SOIL	8/13/14	1720	G	W			X			X	X	X	X	X							
~~d~~ TRIP BLANK 8/13/14		—	G	W			X			DAD 8/14/14											

Preservation Codes:

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

Other:

Lab Courier

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 8/14/13 0700	Company: Geosyntec	Received by:	Date/Time: 8/14/14 7:00	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/14/14 1308	Company: TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.　Job Number: 180-35776-1

Login Number: 35776　**List Source: TestAmerica Pittsburgh**
List Number: 1
Creator: Kovitch, Christina M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	rec DUP-11, TRIP BLANK not on COC
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

TestAmerica Job ID: 180-35776-2
Client Project/Site: Former Sperry Remington Site - North

For:
Geosyntec Consultants, Inc.
10220 Old Columbia Road
Suite A
Columbia, Maryland 21046

Attn: Mr. Aron Krasnopoler

Authorized for release by:
9/5/2014 4:11:02 PM

David Dunlap, Senior Project Manager
(412)963-2432
dave.dunlap@testamericainc.com

Table of Contents

Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Job ID: 180-35776-2

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-35776-2

This report contains the results of the 41st sample to the last sample on the COCs. The remainder of the samples are reported in laboratory job# 180-35776-1.

Receipt
The samples were received on 8/14/2014 1:08 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 1.9º C, 2.3º C, 2.5º C, 3.1º C and 3.2º C.

Sample DUP-11 (180-35776-76) was received but was not listed on the COC. Notation was made to the COC.

Sample TRIP BLANK (180-35776-75) was received but was not listed on the COC. Notation was made to the COC.

The samples were delivered by Express Courier. The Express Courier personnel did not relinquish the COCs at the time of delivery to the laboratory.

GC/MS VOA
Method(s) 8260C: The following sample was analyzed via the methanol preserved terracore vial to bring the concentration of target analytes within the calibration range: SSHS-B98-SS (180-35776-47). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: SSHS-B29-A-GW-18-22 (180-35776-71). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The laboratory control sample (LCS) for batch 114996 recovered above the control limits for the following analytes: carbon tetrachloride, chloroethane, and 1,1,2-trichloro-1,2,2-trifluoroethane. As these analytes were biased high in the LCS and were not detected in the associated samples, the results were reported.

Method(s) 8260C: The laboratory control sample duplicate (LCSD) for batch 115232 recovered slightly above the control limits for the following analyte: 1,3-dichlorobenzene. As this analyte was biased high in the LCSD and was not detected in the associated samples, the results were reported.

Method(s) 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for prep batch 115242 was above the control limits for the following analyte: 1-2-dibromo-3-chloropropane. The recoveries were within the control limits.

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

GC/MS Semi VOA
Method(s) 8270D LL: The internal standard response for perylene-d12 wasa above criteria in samples SSHS-B29-A-GW-18-22 (180-35776-71) and SSHS-99-GW-17-21 (180-35776-72). The samples showed evidence of matrix interference, therefore reanalysis was not completed.

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

GC VOA
Method(s) 8015D: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory at the time of analysis (approximately 7), and corrective action was not possible: SSHS-B29-A-GW-18-22 (180-35776-71) and SSHS-B29-A-GW-18-22 (180-35776-72).

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

GC Semi VOA
Method(s) 8015D: The following sample was diluted to bring the concentration of target analytes within the calibration range:

Job ID: 180-35776-2 (Continued)

Laboratory: TestAmerica Pittsburgh (Continued)

SSHS-B29-A-GW-18-22 (180-35776-71) and SSHS-99-GW-17-21 (180-35776-72). Elevated reporting limits (RLs) are provided.

Method 8081B: The recovery of surrogate tetrachloro-m-xylene was below the control limits for samples DUP-08 (180-35776-66) and 20140813-EQUIPMENT BLANK-SOIL (180-35776-74) on both columns. The recoveries of surrogate decachlorobiphenyl were within the control limits.

Method 8082A: The recovery of surrogate tetrachloro-m-xylene was below the control limits for sample DUP-07 (180-35776-65) on both columns. The recoveries of surrogate decachlorobiphenyl were within the control limits.

Method 8082A: The recovery of surrogate decachlorobiphenyl was below the control limits for sample SSHS-B29-A-GW-18-22 (180-35776-71) on one column.

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

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

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
*	RPD of the LCS and LCSD exceeds the control limits
B	Compound was found in the blank and sample.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
*	ISTD response or retention time outside acceptable limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.
N	Presumptive evidence of material.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-15
California	State Program	9	2891	03-31-15
Connecticut	State Program	1	PH-0688	09-30-14 *
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	01-31-15
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-15
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-15
North Carolina (WW/SW)	State Program	4	434	12-31-14
Pennsylvania	NELAP	3	02-00416	04-30-15
South Carolina	State Program	4	89014	04-30-15
Texas	NELAP	6	T104704528	03-31-15
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P330-10-00139	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-14 *
West Virginia DEP	State Program	3	142	01-31-15
Wisconsin	State Program	5	998027800	08-31-14 *

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-14 *
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-14 *

* Certification renewal pending - certification considered valid.

Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-35776-41	SSHS-91-10-15 (12.5)	Solid	08/13/14 11:08	08/14/14 13:08
180-35776-42	SSHS-B99-SS	Solid	08/13/14 13:27	08/14/14 13:08
180-35776-43	SSHS-B99-0.17-2 (1)	Solid	08/13/14 13:30	08/14/14 13:08
180-35776-44	SSHS-B99-2-6 (4)	Solid	08/13/14 13:39	08/14/14 13:08
180-35776-45	SSHS-B99-6-10 (8)	Solid	08/13/14 13:52	08/14/14 13:08
180-35776-46	SSHS-B99-10-14.5 (12)	Solid	08/13/14 14:05	08/14/14 13:08
180-35776-47	SSHS-B98-SS	Solid	08/13/14 10:45	08/14/14 13:08
180-35776-48	SSHS-B98-0.17-2 (1)	Solid	08/13/14 10:49	08/14/14 13:08
180-35776-49	SSHS-B98-6-10 (7.5)	Solid	08/13/14 11:08	08/14/14 13:08
180-35776-50	SSHS-B98-2-6 (3.5)	Solid	08/13/14 10:56	08/14/14 13:08
180-35776-51	SSHS-B98-10-12 (12)	Solid	08/13/14 11:20	08/14/14 13:08
180-35776-52	SSHS-B97-SS	Solid	08/13/14 08:50	08/14/14 13:08
180-35776-53	SSHS-B97-0.17-2 (1)	Solid	08/13/14 08:54	08/14/14 13:08
180-35776-54	SSHS-B97-2-6 (5)	Solid	08/13/14 08:59	08/14/14 13:08
180-35776-55	SSHS-B97-6-10 (8)	Solid	08/13/14 09:52	08/14/14 13:08
180-35776-56	SSHS-B97-10-16 (13)	Solid	08/13/14 09:59	08/14/14 13:08
180-35776-57	SSHS-B29-A-SS	Solid	08/13/14 15:08	08/14/14 13:08
180-35776-58	SSHS-B29-A-0.17-2 (1.5)	Solid	08/13/14 15:09	08/14/14 13:08
180-35776-59	SSHS-B29-A-2-6 (4.5)	Solid	08/13/14 15:34	08/14/14 13:08
180-35776-60	SSHS-B29-A-8-10 (8.5)	Solid	08/13/14 15:47	08/14/14 13:08
180-35776-61	SSHS-B29-A-10-12 (11.5)	Solid	08/13/14 16:09	08/14/14 13:08
180-35776-62	DUP-04	Solid	08/13/14 00:00	08/14/14 13:08
180-35776-63	DUP-05	Solid	08/13/14 00:00	08/14/14 13:08
180-35776-64	DUP-06	Solid	08/13/14 00:00	08/14/14 13:08
180-35776-65	DUP-07	Solid	08/13/14 00:00	08/14/14 13:08
180-35776-66	DUP-08	Solid	08/13/14 00:00	08/14/14 13:08
180-35776-67	DUP-09	Solid	08/13/14 00:00	08/14/14 13:08
180-35776-68	DUP-10	Solid	08/13/14 00:00	08/14/14 13:08
180-35776-69	SSHS-B97-GW-18-22	Water	08/13/14 09:36	08/14/14 13:08
180-35776-70	SSHS-B98-GW-18-22	Water	08/13/14 11:42	08/14/14 13:08
180-35776-71	SSHS-B29-A-GW-18-22	Water	08/13/14 16:30	08/14/14 13:08
180-35776-72	SSHS-99-GW-17-21	Water	08/13/14 14:30	08/14/14 13:08
180-35776-73	20140813-EQUIPMENT BLANK-GW	Water	08/13/14 17:20	08/14/14 13:08
180-35776-74	20140813-EQUIPMENT BLANK-SOIL	Water	08/13/14 17:20	08/14/14 13:08
180-35776-75	TRIP BLANK	Water	08/13/14 00:00	08/14/14 13:08
180-35776-76	DUP-11	Solid	08/13/14 00:00	08/14/14 13:08

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds (GC/MS)	SW846	TAL PIT
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PIT
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
8015D	Gasoline Range Organics (GRO) (GC)	SW846	TAL CAN
8015D	Diesel Range Organics (DRO) (GC)	SW846	TAL CAN
8081B	Organochlorine Pesticides (GC)	SW846	TAL PIT
8081B_LL	Organochlorine Pesticides (GC)	SW846	TAL PIT
8082A	Polychlorinated Biphenyls (PCBs) (GC)	SW846	TAL PIT
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
6010C	Metals (ICP)	SW846	TAL PIT
7470A	Mercury (CVAA)	SW846	TAL PIT
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
9014	Cyanide	SW846	TAL PIT

Protocol References:

SM22 = SM22

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: SSHS-91-10-15 (12.5)

Lab Sample ID: 180-35776-41

Date Collected: 08/13/14 11:08
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.892 g	5 mL	114996	08/17/14 10:00	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	6.892 g	5 mL	114991	08/17/14 15:48	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115881	08/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115902	08/25/14 15:04	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	115772	08/22/14 16:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	115917	08/26/14 01:32	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20.0 mL	115772	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115939	08/25/14 12:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115940	08/25/14 12:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115942	08/26/14 07:01	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.1 g	20.0 mL	115772	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115939	08/25/14 12:07	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115940	08/25/14 12:08	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115944	08/26/14 07:33	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00000.99 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116214	08/27/14 08:17	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:31	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.04 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	115506	08/20/14 15:27	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B99-SS

Lab Sample ID: 180-35776-42

Date Collected: 08/13/14 13:27
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 76.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2027 g	5 mL	114996	08/17/14 10:00	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5.2027 g	5 mL	114991	08/17/14 13:40	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115881	08/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115902	08/25/14 15:32	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20 mL	116038	08/26/14 12:08	DFE	TAL PIT
	Instrument ID: CHGC15									

Client Sample ID: SSHS-B99-SS Lab Sample ID: 180-35776-42

Date Collected: 08/13/14 13:27 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 76.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20 mL	115965	08/26/14 14:40	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20 mL	115968	08/26/14 15:12	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.08 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116214	08/27/14 08:32	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:33	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114872	08/15/14 11:36	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.03 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	115631	08/21/14 13:47	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B99-0.17-2 (1) Lab Sample ID: 180-35776-43

Date Collected: 08/13/14 13:30 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 87.1**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.6704 g	5 mL	114996	08/17/14 10:00	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	6.6704 g	5 mL	114991	08/17/14 16:14	PJJ	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.2 g	5.0 mL	115881	08/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.2 g	5.0 mL	115902	08/25/14 16:56	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20 mL	116038	08/26/14 12:55	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20 mL	115965	08/26/14 16:16	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B99-0.17-2 (1)

Lab Sample ID: 180-35776-43

Date Collected: 08/13/14 13:30
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20 mL	115968	08/26/14 16:48	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.01 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.01 g	100 mL	116214	08/27/14 08:57	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:42	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.97 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.97 g	50 mL	115506	08/20/14 15:34	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B99-2-6 (4)

Lab Sample ID: 180-35776-44

Date Collected: 08/13/14 13:39
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.8081 g	5 mL	114996	08/17/14 10:00	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	6.8081 g	5 mL	114991	08/17/14 16:40	PJJ	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115881	08/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115902	08/25/14 17:24	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.1 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20 mL	116038	08/26/14 13:10	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20 mL	115965	08/26/14 16:48	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20 mL	115968	08/26/14 17:20	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.99 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116214	08/27/14 09:02	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:44	LEM	TAL PIT
	Instrument ID:	K								

Lab Chronicle

Client Sample ID: SSHS-B99-2-6 (4)

Lab Sample ID: 180-35776-44

Date Collected: 08/13/14 13:39

Matrix: Solid

Date Received: 08/14/14 13:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.98 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	115506	08/20/14 15:34	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B99-6-10 (8)

Lab Sample ID: 180-35776-45

Date Collected: 08/13/14 13:52

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.2822 g	5 mL	114996	08/17/14 10:00	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	7.2822 g	5 mL	114991	08/17/14 17:05	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	115881	08/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115902	08/25/14 17:51	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20 mL	116038	08/26/14 13:26	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20 mL	115965	08/26/14 17:20	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20 mL	115968	08/26/14 17:51	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.01 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.01 g	100 mL	116214	08/27/14 09:07	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:46	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.97 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.97 g	50 mL	115506	08/20/14 15:34	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Lab Chronicle

Client Sample ID: SSHS-B99-10-14.5 (12)

Lab Sample ID: 180-35776-46

Date Collected: 08/13/14 14:05

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.1527 g	5 mL	114996	08/17/14 10:00	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	6.1527 g	5 mL	114991	08/17/14 17:31	PJJ	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115881	08/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115902	08/25/14 18:19	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.2 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20 mL	116038	08/26/14 13:42	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.2 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20 mL	115965	08/26/14 17:51	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.2 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20 mL	115968	08/26/14 18:23	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.08 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116214	08/27/14 09:13	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:47	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.97 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.97 g	50 mL	115506	08/20/14 15:34	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B98-SS

Lab Sample ID: 180-35776-47

Date Collected: 08/13/14 10:45

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 72.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4897 g	5 mL	115242	08/19/14 08:45	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5.4897 g	5 mL	115214	08/19/14 19:02	PJJ	TAL PIT
	Instrument ID:	CHHP4								
Total/NA	Prep	3541			15.0 g	5.0 mL	115881	08/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115902	08/25/14 18:47	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20 mL	116038	08/26/14 13:57	DFE	TAL PIT
	Instrument ID:	CHGC15								

Client Sample ID: SSHS-B98-SS
Lab Sample ID: 180-35776-47

Date Collected: 08/13/14 10:45
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 72.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20 mL	115965	08/26/14 18:23	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20 mL	115968	08/26/14 18:55	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.00 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.00 g	100 mL	116214	08/27/14 09:18	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:49	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.00 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	115506	08/20/14 15:34	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B98-0.17-2 (1)
Lab Sample ID: 180-35776-48

Date Collected: 08/13/14 10:49
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 77.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3685 g	5 mL	115034	08/18/14 04:22	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.3685 g	5 mL	115020	08/18/14 10:09	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115881	08/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115902	08/25/14 19:14	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.2 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20 mL	116038	08/26/14 14:13	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.2 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20 mL	115965	08/26/14 18:55	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.2 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B98-0.17-2 (1)

Lab Sample ID: 180-35776-48

Date Collected: 08/13/14 10:49

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 77.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.2 g	20 mL	115968	08/26/14 19:26	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.14 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.14 g	100 mL	116214	08/27/14 09:33	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:51	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.01 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	115506	08/20/14 15:34	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B98-6-10 (7.5)

Lab Sample ID: 180-35776-49

Date Collected: 08/13/14 11:08

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4674 g	5 mL	114996	08/17/14 10:00	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5.4674 g	5 mL	114991	08/17/14 18:47	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115881	08/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115902	08/25/14 19:42	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20 mL	116038	08/26/14 14:28	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20 mL	115965	08/26/14 19:26	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.1 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20 mL	115968	08/26/14 19:58	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.04 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.04 g	100 mL	116214	08/27/14 09:38	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:52	LEM	TAL PIT
	Instrument ID: K									

Client Sample ID: SSHS-B98-6-10 (7.5) — Lab Sample ID: 180-35776-49

Date Collected: 08/13/14 11:08 **Matrix: Solid**
Date Received: 08/14/14 13:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115506	08/20/14 15:34	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B98-2-6 (3.5) — Lab Sample ID: 180-35776-50

Date Collected: 08/13/14 10:56 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 90.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.0915 g	5 mL	114996	08/17/14 10:00	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	6.0915 g	5 mL	114991	08/17/14 19:13	PJJ	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115881	08/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	115902	08/25/14 20:09	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20 mL	116038	08/26/14 14:44	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20 mL	115965	08/26/14 19:58	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20 mL	115968	08/26/14 20:29	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.08 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116214	08/27/14 09:43	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 13:54	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.00 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	115506	08/20/14 15:34	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B98-10-12 (12)

Lab Sample ID: 180-35776-51

Date Collected: 08/13/14 11:20

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 77.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.3263 g	5 mL	114996	08/17/14 10:00	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	6.3263 g	5 mL	114991	08/17/14 20:05	PJJ	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115881	08/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115902	08/25/14 20:37	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.2 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20 mL	116038	08/26/14 14:59	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.2 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20 mL	115965	08/26/14 20:29	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.2 g	20 mL	115773	08/22/14 16:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115947	08/25/14 12:52	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115948	08/25/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20 mL	115968	08/26/14 21:01	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.08 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116214	08/27/14 09:48	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:00	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.98 g	50 mL	115467	08/20/14 14:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	115506	08/20/14 15:37	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B97-SS

Lab Sample ID: 180-35776-52

Date Collected: 08/13/14 08:50

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 74.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6192 g	5 mL	114996	08/17/14 10:00	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5.6192 g	5 mL	114991	08/17/14 20:31	PJJ	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115881	08/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115902	08/25/14 21:05	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116038	08/26/14 16:48	DFE	TAL PIT
	Instrument ID:	CHGC15								

Client Sample ID: SSHS-B97-SS

Lab Sample ID: 180-35776-52

Date Collected: 08/13/14 08:50
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 74.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115965	08/26/14 22:35	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115968	08/26/14 23:06	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.02 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116214	08/27/14 09:53	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:01	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.02 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	115631	08/21/14 13:47	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B97-0.17-2 (1)

Lab Sample ID: 180-35776-53

Date Collected: 08/13/14 08:54
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.16 g	5 mL	114996	08/17/14 10:00	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	6.16 g	5 mL	114991	08/17/14 20:57	PJJ	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115881	08/25/14 03:00	KLG	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	115902	08/25/14 21:32	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116038	08/26/14 17:04	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115965	08/26/14 23:06	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B97-0.17-2 (1)

Lab Sample ID: 180-35776-53

Date Collected: 08/13/14 08:54

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115968	08/26/14 23:38	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.10 g	100 mL	115465	08/20/14 14:02	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.10 g	100 mL	116214	08/27/14 09:58	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:03	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114879	08/15/14 12:03	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.97 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.97 g	50 mL	115631	08/21/14 13:47	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B97-2-6 (5)

Lab Sample ID: 180-35776-54

Date Collected: 08/13/14 08:59

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5409 g	5 mL	114996	08/17/14 10:00	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5.5409 g	5 mL	114991	08/17/14 21:23	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115980	08/25/14 17:20	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116054	08/26/14 12:44	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116038	08/26/14 17:19	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115965	08/26/14 23:38	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.1 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115968	08/27/14 00:09	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.08 g	100 mL	116034	08/26/14 09:01	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116361	08/28/14 07:59	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:05	LEM	TAL PIT
	Instrument ID: K									

Lab Chronicle

Client Sample ID: SSHS-B97-2-6 (5)

Lab Sample ID: 180-35776-54

Date Collected: 08/13/14 08:59
Matrix: Solid
Date Received: 08/14/14 13:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			114884	08/15/14 12:29	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.02 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	115631	08/21/14 13:54	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B97-6-10 (8)

Lab Sample ID: 180-35776-55

Date Collected: 08/13/14 09:52
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.2193 g	5 mL	114996	08/17/14 10:00	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	6.2193 g	5 mL	114991	08/17/14 21:49	PJJ	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.2 g	5.0 mL	115980	08/25/14 17:20	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.2 g	5.0 mL	116054	08/26/14 14:10	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116038	08/26/14 17:35	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115965	08/27/14 00:09	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115968	08/27/14 00:41	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.00 g	100 mL	116034	08/26/14 09:01	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.00 g	100 mL	116361	08/28/14 08:35	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:06	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114884	08/15/14 12:29	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.02 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	115631	08/21/14 13:54	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: SSHS-B97-10-16 (13)

Date Collected: 08/13/14 09:59
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-56

Matrix: Solid
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.3144 g	5 mL	114996	08/17/14 10:00	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	6.3144 g	5 mL	114991	08/17/14 22:15	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115980	08/25/14 17:20	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116054	08/26/14 14:38	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116038	08/26/14 18:21	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115965	08/27/14 01:44	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.1 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115968	08/27/14 02:15	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.05 g	100 mL	116034	08/26/14 09:01	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.05 g	100 mL	116361	08/28/14 08:40	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:08	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114884	08/15/14 12:29	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.00 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	115631	08/21/14 13:54	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B29-A-SS

Date Collected: 08/13/14 15:08
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-57

Matrix: Solid
Percent Solids: 76.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8533 g	5 mL	114996	08/17/14 10:00	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5.8533 g	5 mL	114991	08/17/14 22:42	PJJ	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115980	08/25/14 17:20	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116054	08/26/14 15:07	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116038	08/26/14 18:37	DFE	TAL PIT
	Instrument ID: CHGC15									

Lab Chronicle

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B29-A-SS Lab Sample ID: 180-35776-57

Date Collected: 08/13/14 15:08 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 76.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115965	08/27/14 02:15	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.1 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115968	08/27/14 02:46	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.08 g	100 mL	116034	08/26/14 09:01	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116361	08/28/14 08:46	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:10	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114884	08/15/14 12:29	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.02 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	115631	08/21/14 13:54	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B29-A-0.17-2 (1.5) Lab Sample ID: 180-35776-58

Date Collected: 08/13/14 15:09 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 91.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.0741 g	5 mL	115034	08/18/14 04:22	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.0741 g	5 mL	115020	08/18/14 10:32	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115980	08/25/14 17:20	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116054	08/26/14 15:35	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116038	08/26/14 18:52	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115965	08/27/14 02:46	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: SSHS-B29-A-0.17-2 (1.5)

Date Collected: 08/13/14 15:09
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-58
Matrix: Solid
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115968	08/27/14 03:18	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.04 g	100 mL	116034	08/26/14 09:01	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.04 g	100 mL	116361	08/28/14 08:51	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115923	08/25/14 10:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:11	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114884	08/15/14 12:29	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.03 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	115631	08/21/14 13:54	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B29-A-2-6 (4.5)

Date Collected: 08/13/14 15:34
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-59
Matrix: Solid
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.3183 g	5 mL	115034	08/18/14 04:22	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.3183 g	5 mL	115020	08/18/14 10:54	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115980	08/25/14 17:20	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116054	08/26/14 16:04	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116038	08/26/14 19:08	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115965	08/27/14 03:18	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115968	08/27/14 03:49	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.03 g	100 mL	116034	08/26/14 09:01	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116361	08/28/14 08:56	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115924	08/25/14 10:13	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:21	LEM	TAL PIT
	Instrument ID:	K								

Lab Chronicle

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-2

Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B29-A-2-6 (4.5) Lab Sample ID: 180-35776-59

Date Collected: 08/13/14 15:34 **Matrix: Solid**

Date Received: 08/14/14 13:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			114884	08/15/14 12:29	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.04 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	115631	08/21/14 13:54	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B29-A-8-10 (8.5) Lab Sample ID: 180-35776-60

Date Collected: 08/13/14 15:47 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 94.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2415 g	5 mL	115034	08/18/14 04:22	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.2415 g	5 mL	115020	08/18/14 11:39	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	115980	08/25/14 17:20	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.3 g	5.0 mL	116054	08/26/14 16:33	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116038	08/26/14 19:23	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115965	08/27/14 03:49	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115968	08/27/14 04:20	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00000.99 g	100 mL	116034	08/26/14 09:01	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116361	08/28/14 09:01	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115924	08/25/14 10:13	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:26	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114884	08/15/14 12:29	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.02 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	115631	08/21/14 13:54	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B29-A-10-12 (11.5) Lab Sample ID: 180-35776-61

Date Collected: 08/13/14 16:09 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 96.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.885 g	5 mL	115034	08/18/14 04:22	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.885 g	5 mL	115020	08/18/14 12:01	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115980	08/25/14 17:20	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116054	08/26/14 17:02	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116038	08/26/14 19:39	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115965	08/27/14 04:20	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115968	08/27/14 04:52	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.03 g	100 mL	116034	08/26/14 09:01	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116361	08/28/14 09:06	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115924	08/25/14 10:13	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:27	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114884	08/15/14 12:29	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.03 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	115631	08/21/14 13:54	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: DUP-04 Lab Sample ID: 180-35776-62

Date Collected: 08/13/14 00:00 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 89.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.5894 g	5 mL	115034	08/18/14 04:22	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.5894 g	5 mL	115020	08/18/14 12:23	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	115980	08/25/14 17:20	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116054	08/26/14 17:31	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116038	08/26/14 19:54	DFE	TAL PIT
	Instrument ID: CHGC15									

Client Sample ID: DUP-04

Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-62

Matrix: Solid
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115965	08/27/14 04:52	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115968	08/27/14 05:23	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.02 g	100 mL	116034	08/26/14 09:01	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116361	08/28/14 09:11	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115924	08/25/14 10:13	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:29	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114884	08/15/14 12:29	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.03 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	115631	08/21/14 14:02	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: DUP-05

Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-63

Matrix: Solid
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.2729 g	5 mL	115034	08/18/14 04:22	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.2729 g	5 mL	115020	08/18/14 12:45	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115980	08/25/14 17:20	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116054	08/26/14 17:59	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116038	08/26/14 20:10	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115965	08/27/14 05:23	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.1 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: DUP-05

Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-63
Matrix: Solid
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115968	08/27/14 05:55	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.03 g	100 mL	116034	08/26/14 09:01	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116361	08/28/14 09:27	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115924	08/25/14 10:13	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:31	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114884	08/15/14 12:29	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115631	08/21/14 14:02	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: DUP-06

Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-64
Matrix: Solid
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.7619 g	5 mL	115034	08/18/14 04:22	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.7619 g	5 mL	115020	08/18/14 13:08	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	115980	08/25/14 17:20	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116054	08/26/14 18:28	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116038	08/26/14 20:26	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115965	08/27/14 05:55	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	115968	08/27/14 06:26	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.04 g	100 mL	116034	08/26/14 09:01	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.04 g	100 mL	116361	08/28/14 09:32	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115924	08/25/14 10:13	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:33	LEM	TAL PIT
	Instrument ID:	K								

Client Sample ID: DUP-06 Lab Sample ID: 180-35776-64

Date Collected: 08/13/14 00:00 Matrix: Solid
Date Received: 08/14/14 13:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			114884	08/15/14 12:29	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.00 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	115631	08/21/14 14:02	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: DUP-07 Lab Sample ID: 180-35776-65

Date Collected: 08/13/14 00:00 Matrix: Solid
Date Received: 08/14/14 13:08 Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9165 g	5 mL	115034	08/18/14 04:22	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.9165 g	5 mL	115020	08/18/14 13:30	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	115980	08/25/14 17:20	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116054	08/26/14 18:56	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.1 g	20.0 mL	115889	08/25/14 10:03	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116038	08/26/14 20:41	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	115889	08/25/14 10:03	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115965	08/27/14 06:58	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	115889	08/25/14 10:03	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115968	08/27/14 07:29	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.08 g	100 mL	116034	08/26/14 09:01	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116361	08/28/14 09:37	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.62 g	100 mL	115924	08/25/14 10:13	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:34	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			114884	08/15/14 12:29	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.03 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	115631	08/21/14 14:02	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: DUP-08
Lab Sample ID: 180-35776-66
Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.0458 g	5 mL	115034	08/18/14 04:22	KLG	TAL PIT
Total/NA	Analysis	8260C		1	7.0458 g	5 mL	115020	08/18/14 13:52	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	115980	08/25/14 17:20	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.2 g	5.0 mL	116054	08/26/14 19:24	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116038	08/26/14 20:57	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115965	08/27/14 06:26	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.1 g	20.0 mL	115889	08/25/14 06:15	KLG	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	115959	08/25/14 14:37	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	115960	08/25/14 14:39	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	115968	08/27/14 06:58	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.05 g	100 mL	116034	08/26/14 09:01	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.05 g	100 mL	116361	08/28/14 09:42	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115924	08/25/14 10:13	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:36	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114884	08/15/14 12:29	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.98 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	115631	08/21/14 14:02	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: DUP-09
Lab Sample ID: 180-35776-67
Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.9548 g	5 mL	115034	08/18/14 04:22	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.9548 g	5 mL	115020	08/18/14 14:15	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	115980	08/25/14 17:20	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116054	08/26/14 19:52	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.4 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.4 g	20.0 mL	116178	08/27/14 16:58	DFE	TAL PIT
	Instrument ID: CHGC15									

Client Sample ID: DUP-09

Lab Sample ID: 180-35776-67

Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08
Matrix: Solid
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.4 g	20.0 mL	116167	08/27/14 23:14	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.4 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.4 g	20.0 mL	116170	08/27/14 23:46	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.00 g	100 mL	116034	08/26/14 09:01	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.00 g	100 mL	116361	08/28/14 09:47	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115924	08/25/14 10:13	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:41	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114884	08/15/14 12:29	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.99 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115631	08/21/14 14:02	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: DUP-10

Lab Sample ID: 180-35776-68

Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08
Matrix: Solid
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.2719 g	5 mL	115034	08/18/14 04:22	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.2719 g	5 mL	115020	08/18/14 14:37	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115980	08/25/14 17:20	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116054	08/26/14 20:20	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.3 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.3 g	20.0 mL	116178	08/27/14 17:13	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.3 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116167	08/27/14 23:46	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.3 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT

Lab Chronicle

Client Sample ID: DUP-10

Lab Sample ID: 180-35776-68

Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116170	08/28/14 00:17	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.09 g	100 mL	116034	08/26/14 09:01	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.09 g	100 mL	116361	08/28/14 09:52	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115924	08/25/14 10:13	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:43	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114884	08/15/14 12:29	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.02 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	115631	08/21/14 14:02	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B97-GW-18-22

Lab Sample ID: 180-35776-69

Date Collected: 08/13/14 09:36
Matrix: Water
Date Received: 08/14/14 13:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115910	08/25/14 15:30	DLF	TAL PIT
	Instrument ID: CHHP6									

Client Sample ID: SSHS-B98-GW-18-22

Lab Sample ID: 180-35776-70

Date Collected: 08/13/14 11:42
Matrix: Water
Date Received: 08/14/14 13:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115838	08/24/14 16:43	DLF	TAL PIT
	Instrument ID: CHHP6									

Client Sample ID: SSHS-B29-A-GW-18-22

Lab Sample ID: 180-35776-71

Date Collected: 08/13/14 16:30
Matrix: Water
Date Received: 08/14/14 13:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		25	5 mL	5 mL	115232	08/19/14 22:09	DLF	TAL PIT
	Instrument ID: CHHP5									
Total/NA	Prep	3520C			1060 mL	1.0 mL	115091	08/18/14 10:33	BJT	TAL PIT
Total/NA	Analysis	8270D LL		1	1060 mL	1.0 mL	115542	08/21/14 15:28	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Analysis	8015D		1	5 mL	5 mL	143606	08/20/14 15:56	KMG	TAL CAN
	Instrument ID: AFID									
Total/NA	Prep	3520C			1050 mL	5 mL	143586	08/20/14 07:51	CS	TAL CAN

Client Sample ID: SSHS-B29-A-GW-18-22 Lab Sample ID: 180-35776-71

Date Collected: 08/13/14 16:30 **Matrix: Water**
Date Received: 08/14/14 13:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015D		100	1050 mL	5 mL	143747	08/21/14 18:15	DEB	TAL CAN
	Instrument ID: A2HP6F									
Total/NA	Prep	3510C			1050 mL	1.0 mL	115137	08/18/14 14:32	JPM	TAL PIT
Total/NA	Analysis	8082A		1	1050 mL	1.0 mL	115456	08/20/14 22:17	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3510C			1050 mL	1.0 mL	115137	08/18/14 14:32	JPM	TAL PIT
Total/NA	Analysis	8082A		1	1050 mL	1.0 mL	115470	08/20/14 21:14	AKG	TAL PIT
	Instrument ID: CHGC10_R									

Client Sample ID: SSHS-99-GW-17-21 Lab Sample ID: 180-35776-72

Date Collected: 08/13/14 14:30 **Matrix: Water**
Date Received: 08/14/14 13:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115910	08/25/14 16:18	DLF	TAL PIT
	Instrument ID: CHHP6									
Total/NA	Prep	3520C			1050 mL	1.0 mL	115091	08/18/14 10:33	BJT	TAL PIT
Total/NA	Analysis	8270D LL		1	1050 mL	1.0 mL	115542	08/21/14 15:57	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Analysis	8015D		1	5 mL	5 mL	143606	08/20/14 16:33	KMG	TAL CAN
	Instrument ID: AFID									
Total/NA	Prep	3520C			1040 mL	5 mL	143586	08/20/14 07:51	CS	TAL CAN
Total/NA	Analysis	8015D		100	1040 mL	5 mL	143747	08/21/14 18:45	DEB	TAL CAN
	Instrument ID: A2HP6F									
Total/NA	Prep	3510C			1050 mL	1.0 mL	115137	08/18/14 14:32	JPM	TAL PIT
Total/NA	Analysis	8082A		1	1050 mL	1.0 mL	115456	08/20/14 22:48	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3510C			1050 mL	1.0 mL	115137	08/18/14 14:32	JPM	TAL PIT
Total/NA	Analysis	8082A		1	1050 mL	1.0 mL	115470	08/20/14 21:46	AKG	TAL PIT
	Instrument ID: CHGC10_R									

Client Sample ID: 20140813-EQUIPMENT BLANK-GW Lab Sample ID: 180-35776-73

Date Collected: 08/13/14 17:20 **Matrix: Water**
Date Received: 08/14/14 13:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115838	08/24/14 17:07	DLF	TAL PIT
	Instrument ID: CHHP6									
Total/NA	Analysis	8015D		1	5 mL	5 mL	143606	08/20/14 18:24	KMG	TAL CAN
	Instrument ID: AFID									
Total/NA	Prep	3520C			1000 mL	5 mL	143586	08/20/14 07:51	CS	TAL CAN
Total/NA	Analysis	8015D		1	1000 mL	5 mL	143747	08/21/14 14:38	DEB	TAL CAN
	Instrument ID: A2HP6F									
Total/NA	Prep	3510C			1060 mL	1.0 mL	115137	08/18/14 14:32	JPM	TAL PIT

Client Sample ID: 20140813-EQUIPMENT BLANK-GW

Lab Sample ID: 180-35776-73

Date Collected: 08/13/14 17:20

Matrix: Water

Date Received: 08/14/14 13:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	1060 mL	1.0 mL	115456	08/20/14 23:20	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3510C			1060 mL	1.0 mL	115137	08/18/14 14:32	JPM	TAL PIT
Total/NA	Analysis	8082A		1	1060 mL	1.0 mL	115470	08/20/14 22:17	AKG	TAL PIT
	Instrument ID:	CHGC10_R								

Client Sample ID: 20140813-EQUIPMENT BLANK-SOIL

Lab Sample ID: 180-35776-74

Date Collected: 08/13/14 17:20

Matrix: Water

Date Received: 08/14/14 13:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115838	08/24/14 17:55	DLF	TAL PIT
	Instrument ID:	CHHP6								
Total/NA	Prep	3520C			260 mL	0.25 mL	114822	08/15/14 08:12	BJT	TAL PIT
Total/NA	Analysis	8270D LL		1	260 mL	0.25 mL	115189	08/19/14 14:35	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3510C			1010 mL	1.0 mL	115137	08/18/14 14:32	JPM	TAL PIT
Total/NA	Analysis	8081B_LL		1	1010 mL	1.0 mL	115424	08/20/14 14:07	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3510C			1010 mL	1.0 mL	115137	08/18/14 14:32	JPM	TAL PIT
Total/NA	Analysis	8082A		1	1010 mL	1.0 mL	115456	08/20/14 23:51	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3510C			1010 mL	1.0 mL	115137	08/18/14 14:32	JPM	TAL PIT
Total/NA	Analysis	8082A		1	1010 mL	1.0 mL	115470	08/20/14 22:48	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total Recoverable	Prep	3005A			50 mL	50 mL	115029	08/18/14 06:08	SLB	TAL PIT
Total Recoverable	Analysis	6010C		1	50 mL	50 mL	116002	08/25/14 17:50	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7470A			50 mL	50 mL	115423	08/20/14 10:20	LEM	TAL PIT
Total/NA	Analysis	7470A		1	50 mL	50 mL	115556	08/20/14 14:55	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Prep	9010C			50 mL	50 mL	115561	08/21/14 08:50	PGJ	TAL PIT
Total/NA	Analysis	9014		1	50 mL	50 mL	115631	08/21/14 11:02	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: TRIP BLANK

Lab Sample ID: 180-35776-75

Date Collected: 08/13/14 00:00

Matrix: Water

Date Received: 08/14/14 13:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115838	08/24/14 18:19	DLF	TAL PIT
	Instrument ID:	CHHP6								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: DUP-11
Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-76
Matrix: Solid
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.1311 g	5 mL	115034	08/18/14 04:22	KLG	TAL PIT
Total/NA	Analysis	8260C		1	7.1311 g	5 mL	115020	08/18/14 14:59	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	115980	08/25/14 17:20	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116054	08/26/14 20:49	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/27/14 17:29	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116167	08/28/14 00:17	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116170	08/28/14 00:49	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.10 g	100 mL	116034	08/26/14 09:01	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.10 g	100 mL	116361	08/28/14 09:58	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	115924	08/25/14 10:13	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.62 g	100 mL	115966	08/25/14 14:45	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			114904	08/15/14 15:19	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.04 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	115748	08/22/14 09:45	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396
TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL CAN

Batch Type: Prep

CS = Caitlin Scott

Batch Type: Analysis

DEB = Deborah Bolgrin

KMG = Katie Grant

Lab: TAL PIT

Batch Type: Cleanup

DFE = David Eppinger

JMO = John Oravec

Batch Type: Prep

BJT = Bill Trout

CBY = Charles Yushinski

JPM = Jeremy Merriman

KLG = Kevin Geehring

LEM = Lauren McGrath

PGJ = Paul Johnson

PJJ = Patrick Journet

RJR = Ron Rosenbaum

SLB = Sandy Becker

Batch Type: Analysis

AJB = Amanda Brunick

AKG = Ashok Gupta

DFE = David Eppinger

DLF = Donald Ferguson

KLG = Kathy Gordon

LEM = Lauren McGrath

PGJ = Paul Johnson

PJJ = Patrick Journet

RJG = Rob Good

RJR = Ron Rosenbaum

VVP = Vincent Piccolino

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: SSHS-91-10-15 (12.5)
Date Collected: 08/13/14 11:08
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-41
Matrix: Solid
Percent Solids: 88.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		16	4.1	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Benzene	ND		4.1	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Bromoform	ND		4.1	0.36	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Bromomethane	ND		4.1	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
2-Butanone (MEK)	ND		4.1	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Carbon disulfide	ND		4.1	0.42	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Carbon tetrachloride	ND	*	4.1	0.37	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Chlorobenzene	ND		4.1	0.62	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Chlorobromomethane	ND		4.1	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Chlorodibromomethane	ND		4.1	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Chloroethane	ND	*	4.1	1.3	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Chloroform	ND		4.1	0.48	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Chloromethane	ND		4.1	0.70	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
cis-1,2-Dichloroethene	ND		4.1	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
cis-1,3-Dichloropropene	ND		4.1	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Cyclohexane	ND		4.1	0.31	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
1,2-Dibromo-3-Chloropropane	ND		4.1	0.62	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
1,2-Dibromoethane	ND		4.1	0.71	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
1,2-Dichlorobenzene	ND		4.1	0.66	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
1,3-Dichlorobenzene	ND		4.1	0.54	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
1,4-Dichlorobenzene	ND		4.1	0.52	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Dichlorobromomethane	ND		4.1	0.46	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Dichlorodifluoromethane	ND		4.1	0.55	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
1,1-Dichloroethane	ND		4.1	0.47	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
1,2-Dichloroethane	ND		4.1	0.50	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
1,1-Dichloroethene	ND		4.1	0.70	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
1,2-Dichloropropane	ND		4.1	0.45	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
1,4-Dioxane	ND		820	230	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Ethylbenzene	ND		4.1	0.53	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
2-Hexanone	ND		4.1	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Isopropylbenzene	ND		4.1	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Methyl acetate	ND		4.1	0.74	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Methylcyclohexane	ND		4.1	0.60	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Methylene Chloride	ND		4.1	0.55	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
4-Methyl-2-pentanone (MIBK)	ND		4.1	0.54	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Methyl tert-butyl ether	ND		4.1	0.62	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
m-Xylene & p-Xylene	ND		8.2	1.2	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
o-Xylene	ND		4.1	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Styrene	ND		4.1	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
1,1,2,2-Tetrachloroethane	ND		4.1	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Tetrachloroethene	ND		4.1	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Toluene	ND		4.1	0.60	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
trans-1,2-Dichloroethene	ND		4.1	0.49	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
trans-1,3-Dichloropropene	ND		4.1	0.49	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
1,2,3-Trichlorobenzene	ND		4.1	0.69	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
1,2,4-Trichlorobenzene	ND		4.1	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
1,1,1-Trichloroethane	ND		4.1	0.40	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
1,1,2-Trichloroethane	ND		4.1	0.68	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Trichloroethene	ND		4.1	0.54	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1

Client Sample Results

Client Sample ID: SSHS-91-10-15 (12.5) **Lab Sample ID: 180-35776-41**
Date Collected: 08/13/14 11:08 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 88.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.1	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.1	0.88	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1
Vinyl chloride	ND		4.1	0.39	ug/Kg	☼	08/17/14 10:00	08/17/14 15:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/17/14 10:00*	*08/17/14 15:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*63 - 120*	*08/17/14 10:00*	*08/17/14 15:48*	*1*
Dibromofluoromethane (Surr)	*98*		*68 - 121*	*08/17/14 10:00*	*08/17/14 15:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*52 - 124*	*08/17/14 10:00*	*08/17/14 15:48*	*1*
Toluene-d8 (Surr)	*97*		*72 - 127*	*08/17/14 10:00*	*08/17/14 15:48*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	7.3	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Acenaphthylene	ND		76	8.7	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Acetophenone	ND		370	31	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Anthracene	ND		76	7.4	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Atrazine	ND		370	37	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Benzaldehyde	ND		370	57	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Benzo[a]anthracene	ND		76	9.5	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Benzo[a]pyrene	ND		76	7.6	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Benzo[b]fluoranthene	ND		76	12	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Benzo[g,h,i]perylene	ND		76	7.5	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Benzo[k]fluoranthene	ND		76	15	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
1,1'-Biphenyl	ND		370	34	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Bis(2-chloroethyl)ether	ND		76	10	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Bis(2-ethylhexyl) phthalate	ND		760	61	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
4-Bromophenyl phenyl ether	ND		370	33	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Butyl benzyl phthalate	ND		370	52	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Caprolactam	ND		1900	290	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Carbazole	ND		76	7.0	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
4-Chloro-3-methylphenol	ND		370	35	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
2-Chloronaphthalene	ND		76	7.9	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
4-Chlorophenyl phenyl ether	ND		370	42	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Chrysene	ND		76	9.0	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Dibenz(a,h)anthracene	ND		76	8.4	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
3,3'-Dichlorobenzidine	ND		370	40	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
2,4-Dichlorophenol	ND		76	7.6	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
2,4-Dimethylphenol	ND		370	59	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1

Client Sample Results

Client Sample ID: SSHS-91-10-15 (12.5)

Lab Sample ID: 180-35776-41

Date Collected: 08/13/14 11:08
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 88.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		370	31	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Di-n-octyl phthalate	ND		370	40	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
1,4-Dioxane	ND		760	43	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Fluoranthene	ND		76	8.1	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Fluorene	ND		76	10	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Hexachlorobenzene	ND		76	8.1	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Hexachlorobutadiene	ND		76	8.5	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Hexachlorocyclopentadiene	ND		370	41	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Indeno[1,2,3-cd]pyrene	ND		76	7.8	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Isophorone	ND		370	29	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
2-Methylnaphthalene	ND		76	6.8	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Naphthalene	ND		76	6.5	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
3-Nitroaniline	ND		1900	160	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Nitrobenzene	ND		760	31	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
2-Nitrophenol	ND		370	42	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
N-Nitrosodi-n-propylamine	ND		76	8.9	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
2,2'-oxybis[1-chloropropane]	ND		76	8.2	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Pentachlorophenol	ND		370	34	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Phenanthrene	ND		76	12	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Phenol	ND		76	8.9	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
Pyrene	ND		76	7.6	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
1,2,4,5-Tetrachlorobenzene	ND		370	29	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1
2,4,6-Trichlorophenol	ND		370	57	ug/Kg	☼	08/25/14 03:00	08/25/14 15:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*260*	*T J*	*ug/Kg*	☼	*13.12*		*08/25/14 03:00*	*08/25/14 15:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*35 - 105*	*08/25/14 03:00*	*08/25/14 15:04*	*1*
2-Fluorophenol (Surr)	*68*		*39 - 103*	*08/25/14 03:00*	*08/25/14 15:04*	*1*
Nitrobenzene-d5 (Surr)	*73*		*25 - 104*	*08/25/14 03:00*	*08/25/14 15:04*	*1*
Phenol-d5 (Surr)	*70*		*25 - 105*	*08/25/14 03:00*	*08/25/14 15:04*	*1*
Terphenyl-d14 (Surr)	*72*		*25 - 127*	*08/25/14 03:00*	*08/25/14 15:04*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*35 - 124*	*08/25/14 03:00*	*08/25/14 15:04*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
alpha-BHC	ND		1.9	0.31	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-91-10-15 (12.5) Lab Sample ID: 180-35776-41

Date Collected: 08/13/14 11:08 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 88.2**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.9	0.49	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
4,4'-DDD	ND		1.9	0.25	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
Endosulfan sulfate	ND		1.9	0.20	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
gamma-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
Heptachlor epoxide	ND		1.9	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1
Toxaphene	ND		75	13	ug/Kg	☼	08/22/14 16:50	08/26/14 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:32*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:32*	*1*
Tetrachloro-m-xylene	*95*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:32*	*1*
Tetrachloro-m-xylene	*92*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:32*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/22/14 16:50	08/26/14 07:01	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/22/14 16:50	08/26/14 07:01	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/22/14 16:50	08/26/14 07:01	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/22/14 16:50	08/26/14 07:01	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/22/14 16:50	08/26/14 07:01	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/22/14 16:50	08/26/14 07:01	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/22/14 16:50	08/26/14 07:01	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/22/14 16:50	08/26/14 07:01	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/22/14 16:50	08/26/14 07:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/22/14 16:50*	*08/26/14 07:01*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/22/14 16:50*	*08/26/14 07:33*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*45 - 135*	*08/22/14 16:50*	*08/26/14 07:01*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*	*08/22/14 16:50*	*08/26/14 07:33*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7200**		23	2.4	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Antimony	ND		1.1	0.23	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Arsenic	**9.1**		1.1	0.35	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Barium	**68**	**B**	23	0.015	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Beryllium	**0.37**	**J**	0.46	0.013	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1

Client Sample Results

Client Sample ID: SSHS-91-10-15 (12.5)

Lab Sample ID: 180-35776-41

Date Collected: 08/13/14 11:08
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 88.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.19**	**J B**	0.57	0.016	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Calcium	**1600**		570	1.7	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Chromium	**9.8**		0.57	0.088	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Cobalt	**6.8**		5.7	0.048	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Copper	**24**		2.9	0.16	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Iron	**25000**		11	1.0	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Lead	**9.2**		1.1	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Magnesium	**2400**		570	2.4	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Manganese	**760**		1.7	0.10	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Nickel	**20**		4.6	0.054	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Potassium	**600**	**B**	570	7.3	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Selenium	**0.35**	**J**	1.1	0.31	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Silver	ND		0.57	0.046	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Sodium	**79**	**J B**	570	1.2	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Thallium	**0.37**	**J**	2.3	0.17	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Vanadium	**14**	**B**	5.7	0.20	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1
Zinc	**98**	**B**	2.3	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 08:17	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.017**	**J**	0.036	0.012	mg/Kg	☼	08/25/14 10:11	08/25/14 13:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**88**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	ND		0.55	0.16	mg/Kg	☼	08/20/14 14:00	08/20/14 15:27	1

Client Sample ID: SSHS-B99-SS

Lab Sample ID: 180-35776-42

Date Collected: 08/13/14 13:27
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 76.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**280**		25	6.3	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Benzene	ND		6.3	0.84	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Bromoform	ND		6.3	0.55	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Bromomethane	ND		6.3	0.92	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
2-Butanone (MEK)	ND		6.3	1.1	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Carbon disulfide	ND		6.3	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Carbon tetrachloride	ND	*	6.3	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Chlorobenzene	ND		6.3	0.95	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Chlorobromomethane	ND		6.3	0.86	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Chlorodibromomethane	ND		6.3	0.89	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Chloroethane	ND	*	6.3	1.9	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Chloroform	ND		6.3	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Chloromethane	ND		6.3	1.1	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
cis-1,2-Dichloroethene	ND		6.3	0.88	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
cis-1,3-Dichloropropene	ND		6.3	0.85	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Cyclohexane	ND		6.3	0.46	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: SSHS-B99-SS
Date Collected: 08/13/14 13:27
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-42
Matrix: Solid
Percent Solids: 76.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		6.3	0.94	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
1,2-Dibromoethane	ND		6.3	1.1	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
1,2-Dichlorobenzene	ND		6.3	1.0	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
1,3-Dichlorobenzene	ND		6.3	0.82	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
1,4-Dichlorobenzene	ND		6.3	0.80	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Dichlorobromomethane	ND		6.3	0.70	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Dichlorodifluoromethane	ND		6.3	0.83	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
1,1-Dichloroethane	ND		6.3	0.72	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
1,2-Dichloroethane	ND		6.3	0.77	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
1,1-Dichloroethene	ND		6.3	1.1	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
1,2-Dichloropropane	ND		6.3	0.68	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
1,4-Dioxane	ND		1300	350	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Ethylbenzene	ND		6.3	0.80	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
2-Hexanone	ND		6.3	0.86	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Isopropylbenzene	ND		6.3	0.85	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Methyl acetate	ND		6.3	1.1	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Methylcyclohexane	ND		6.3	0.91	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Methylene Chloride	ND		6.3	0.84	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
4-Methyl-2-pentanone (MIBK)	ND		6.3	0.82	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Methyl tert-butyl ether	ND		6.3	0.93	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
m-Xylene & p-Xylene	ND		13	1.8	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
o-Xylene	ND		6.3	0.97	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Styrene	ND		6.3	0.88	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
1,1,2,2-Tetrachloroethane	ND		6.3	0.90	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Tetrachloroethene	ND		6.3	0.85	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Toluene	ND		6.3	0.91	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
trans-1,2-Dichloroethene	ND		6.3	0.74	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
trans-1,3-Dichloropropene	ND		6.3	0.75	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
1,2,3-Trichlorobenzene	ND		6.3	1.1	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
1,2,4-Trichlorobenzene	ND		6.3	1.1	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
1,1,1-Trichloroethane	ND		6.3	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
1,1,2-Trichloroethane	ND		6.3	1.0	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Trichloroethene	ND		6.3	0.82	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Trichlorofluoromethane	ND		6.3	1.1	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	6.3	1.3	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1
Vinyl chloride	ND		6.3	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 13:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/17/14 10:00*	*08/17/14 13:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*63 - 120*	*08/17/14 10:00*	*08/17/14 13:40*	*1*
Dibromofluoromethane (Surr)	*94*		*68 - 121*	*08/17/14 10:00*	*08/17/14 13:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*52 - 124*	*08/17/14 10:00*	*08/17/14 13:40*	*1*
Toluene-d8 (Surr)	*98*		*72 - 127*	*08/17/14 10:00*	*08/17/14 13:40*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		87	8.3	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Acenaphthylene	**24**	**J**	87	9.9	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1

Client Sample Results

Client Sample ID: SSHS-B99-SS
Date Collected: 08/13/14 13:27
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-42
Matrix: Solid
Percent Solids: 76.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		430	36	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Anthracene	**29**	**J**	87	8.5	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Atrazine	ND		430	42	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Benzaldehyde	ND		430	65	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Benzo[a]anthracene	**190**		87	11	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Benzo[a]pyrene	**240**		87	8.7	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Benzo[b]fluoranthene	**330**		87	14	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Benzo[g,h,i]perylene	**240**		87	8.6	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Benzo[k]fluoranthene	**130**		87	18	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
1,1'-Biphenyl	ND		430	39	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Bis(2-chloroethoxy)methane	ND		430	29	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Bis(2-chloroethyl)ether	ND		87	12	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Bis(2-ethylhexyl) phthalate	**180**	**J**	870	70	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
4-Bromophenyl phenyl ether	ND		430	38	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Butyl benzyl phthalate	**160**	**J**	430	59	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Caprolactam	ND		2200	330	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Carbazole	**21**	**J**	87	8.0	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
4-Chloroaniline	ND		430	35	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
4-Chloro-3-methylphenol	ND		430	40	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
2-Chloronaphthalene	ND		87	9.1	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
2-Chlorophenol	ND		430	35	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
4-Chlorophenyl phenyl ether	ND		430	48	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Chrysene	**270**		87	10	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Dibenz(a,h)anthracene	**64**	**J**	87	9.7	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Dibenzofuran	ND		430	43	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
3,3'-Dichlorobenzidine	ND		430	46	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
2,4-Dichlorophenol	ND		87	8.7	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Diethyl phthalate	ND		430	47	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
2,4-Dimethylphenol	ND		430	68	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Dimethyl phthalate	ND		430	47	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Di-n-butyl phthalate	ND		430	54	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
4,6-Dinitro-2-methylphenol	ND		2200	170	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
2,4-Dinitrophenol	ND		2200	520	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
2,4-Dinitrotoluene	ND		430	35	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
2,6-Dinitrotoluene	ND		430	45	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Di-n-octyl phthalate	ND		430	46	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
1,4-Dioxane	ND		870	50	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Fluoranthene	**440**		87	9.3	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Fluorene	ND		87	11	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Hexachlorobenzene	ND		87	9.2	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Hexachlorobutadiene	ND		87	9.7	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Hexachlorocyclopentadiene	ND		430	47	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Hexachloroethane	ND		430	31	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Indeno[1,2,3-cd]pyrene	**200**		87	8.9	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Isophorone	ND		430	33	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
2-Methylnaphthalene	ND		87	7.8	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
2-Methylphenol	ND		430	30	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Methylphenol, 3 & 4	ND		430	42	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Naphthalene	ND		87	7.5	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1

Client Sample ID: SSHS-B99-SS
Lab Sample ID: 180-35776-42
Date Collected: 08/13/14 13:27
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 76.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2200	190	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
3-Nitroaniline	ND		2200	180	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
4-Nitroaniline	ND		2200	180	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Nitrobenzene	ND		870	36	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
2-Nitrophenol	ND		430	48	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
4-Nitrophenol	ND		2200	160	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
N-Nitrosodi-n-propylamine	ND		87	10	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
N-Nitrosodiphenylamine	ND		430	40	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
2,2'-oxybis[1-chloropropane]	ND		87	9.4	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Pentachlorophenol	ND		430	39	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Phenanthrene	**150**		87	14	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Phenol	ND		87	10	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
Pyrene	**340**		87	8.8	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
1,2,4,5-Tetrachlorobenzene	ND		430	33	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
2,3,4,6-Tetrachlorophenol	ND		430	28	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
2,4,5-Trichlorophenol	ND		430	46	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1
2,4,6-Trichlorophenol	ND		430	65	ug/Kg	☼	08/25/14 03:00	08/25/14 15:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*240*	*T J*	*ug/Kg*	☼	*13.87*		*08/25/14 03:00*	*08/25/14 15:32*	*1*
Unknown	*310*	*T J*	*ug/Kg*	☼	*15.21*		*08/25/14 03:00*	*08/25/14 15:32*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*16.07*		*08/25/14 03:00*	*08/25/14 15:32*	*1*
Unknown	*2500*	*T J*	*ug/Kg*	☼	*16.22*		*08/25/14 03:00*	*08/25/14 15:32*	*1*
Unknown	*3300*	*T J*	*ug/Kg*	☼	*16.67*		*08/25/14 03:00*	*08/25/14 15:32*	*1*
Unknown PAH	*300*	*T J*	*ug/Kg*	☼	*16.95*		*08/25/14 03:00*	*08/25/14 15:32*	*1*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*17.72*		*08/25/14 03:00*	*08/25/14 15:32*	*1*
Unknown Straight Chain Alkane	*1800*	*T J*	*ug/Kg*	☼	*18.11*		*08/25/14 03:00*	*08/25/14 15:32*	*1*
Unknown	*860*	*T J*	*ug/Kg*	☼	*18.18*		*08/25/14 03:00*	*08/25/14 15:32*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*18.29*		*08/25/14 03:00*	*08/25/14 15:32*	*1*
Unknown	*450*	*T J*	*ug/Kg*	☼	*18.66*		*08/25/14 03:00*	*08/25/14 15:32*	*1*
Unknown	*1500*	*T J*	*ug/Kg*	☼	*19.27*		*08/25/14 03:00*	*08/25/14 15:32*	*1*
Unknown	*390*	*T J*	*ug/Kg*	☼	*19.53*		*08/25/14 03:00*	*08/25/14 15:32*	*1*
Unknown Straight Chain Alkane	*1100*	*T J*	*ug/Kg*	☼	*19.68*		*08/25/14 03:00*	*08/25/14 15:32*	*1*
Unknown	*1400*	*T J*	*ug/Kg*	☼	*19.80*		*08/25/14 03:00*	*08/25/14 15:32*	*1*
Unknown	*1300*	*T J*	*ug/Kg*	☼	*20.32*		*08/25/14 03:00*	*08/25/14 15:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 105*	*08/25/14 03:00*	*08/25/14 15:32*	*1*
2-Fluorophenol (Surr)	*55*		*39 - 103*	*08/25/14 03:00*	*08/25/14 15:32*	*1*
Nitrobenzene-d5 (Surr)	*61*		*25 - 104*	*08/25/14 03:00*	*08/25/14 15:32*	*1*
Phenol-d5 (Surr)	*60*		*25 - 105*	*08/25/14 03:00*	*08/25/14 15:32*	*1*
Terphenyl-d14 (Surr)	*67*		*25 - 127*	*08/25/14 03:00*	*08/25/14 15:32*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*35 - 124*	*08/25/14 03:00*	*08/25/14 15:32*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.2	0.39	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
alpha-BHC	ND		2.2	0.35	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
alpha-Chlordane	ND		2.2	0.43	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
beta-BHC	ND		2.2	0.56	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1

Client Sample ID: SSHS-B99-SS
Lab Sample ID: 180-35776-42
Date Collected: 08/13/14 13:27
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 76.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**1.7**	**J p**	2.2	0.28	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
4,4'-DDE	ND		2.2	0.33	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
4,4'-DDT	**13**		2.2	0.32	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
delta-BHC	ND		2.2	0.33	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
Dieldrin	**2.9**		2.2	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
Endosulfan I	**1.2**	**J**	2.2	0.41	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
Endosulfan II	**0.95**	**J p**	2.2	0.38	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
Endosulfan sulfate	**1.2**	**J p**	2.2	0.23	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
Endrin	**7.4**	**p**	2.2	0.42	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
Endrin aldehyde	ND		2.2	0.42	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
Endrin ketone	**1.6**	**J p**	2.2	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
gamma-BHC (Lindane)	ND		2.2	0.38	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
gamma-Chlordane	**6.2**	**p**	2.2	0.43	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
Heptachlor	ND		2.2	0.48	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
Heptachlor epoxide	**13**		2.2	0.42	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
Methoxychlor	**5.7**	**p**	4.3	0.45	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1
Toxaphene	ND		87	14	ug/Kg	☼	08/22/14 16:50	08/26/14 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*08/22/14 16:50*	*08/26/14 12:08*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/22/14 16:50*	*08/26/14 12:08*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/22/14 16:50*	*08/26/14 12:08*	*1*
Tetrachloro-m-xylene	*73*		*45 - 130*	*08/22/14 16:50*	*08/26/14 12:08*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		22	3.2	ug/Kg	☼	08/22/14 16:50	08/26/14 14:40	1
PCB-1221	ND		22	4.1	ug/Kg	☼	08/22/14 16:50	08/26/14 14:40	1
PCB-1232	ND		22	3.7	ug/Kg	☼	08/22/14 16:50	08/26/14 14:40	1
PCB-1242	ND		22	3.5	ug/Kg	☼	08/22/14 16:50	08/26/14 14:40	1
PCB-1248	**1000**		22	2.1	ug/Kg	☼	08/22/14 16:50	08/26/14 14:40	1
PCB-1254	ND		22	3.1	ug/Kg	☼	08/22/14 16:50	08/26/14 14:40	1
PCB-1260	**140**		22	3.1	ug/Kg	☼	08/22/14 16:50	08/26/14 15:12	1
PCB-1262	ND		22	4.7	ug/Kg	☼	08/22/14 16:50	08/26/14 14:40	1
PCB-1268	ND		22	2.8	ug/Kg	☼	08/22/14 16:50	08/26/14 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*	*08/22/14 16:50*	*08/26/14 14:40*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/22/14 16:50*	*08/26/14 15:12*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*	*08/22/14 16:50*	*08/26/14 14:40*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*45 - 135*	*08/22/14 16:50*	*08/26/14 15:12*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9100**		24	2.5	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Antimony	ND		1.2	0.24	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Arsenic	**7.7**		1.2	0.37	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Barium	**97**	**B**	24	0.015	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Beryllium	**0.49**		0.48	0.013	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Cadmium	**0.22**	**J B**	0.60	0.017	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1

Client Sample ID: SSHS-B99-SS

Lab Sample ID: 180-35776-42

Date Collected: 08/13/14 13:27

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 76.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**8200**		600	1.8	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Chromium	**15**		0.60	0.093	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Cobalt	**8.0**		6.0	0.050	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Copper	**34**		3.0	0.17	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Iron	**19000**		12	1.1	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Lead	**32**		1.2	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Magnesium	**3900**		600	2.5	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Manganese	**470**		1.8	0.11	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Nickel	**40**		4.8	0.057	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Potassium	**860**	**B**	600	7.7	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Selenium	ND		1.2	0.32	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Silver	ND		0.60	0.049	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Sodium	**81**	**J B**	600	1.3	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Thallium	ND		2.4	0.18	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Vanadium	**13**	**B**	6.0	0.21	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1
Zinc	**82**	**B**	2.4	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 08:32	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.068**		0.042	0.014	mg/Kg	☼	08/25/14 10:11	08/25/14 13:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**23**		0.10	0.10	%			08/15/14 11:36	1
Percent Solids	**77**		0.10	0.10	%			08/15/14 11:36	1
Cyanide, Total	**0.34**	**J**	0.63	0.19	mg/Kg	☼	08/21/14 12:25	08/21/14 13:47	1

Client Sample ID: SSHS-B99-0.17-2 (1)

Lab Sample ID: 180-35776-43

Date Collected: 08/13/14 13:30

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 87.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**7.6**	**J**	17	4.3	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Benzene	ND		4.3	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Bromoform	ND		4.3	0.38	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Bromomethane	ND		4.3	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
2-Butanone (MEK)	ND		4.3	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Carbon disulfide	ND		4.3	0.44	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Carbon tetrachloride	ND	*	4.3	0.38	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Chlorobenzene	ND		4.3	0.65	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Chlorobromomethane	ND		4.3	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Chlorodibromomethane	ND		4.3	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Chloroethane	ND	*	4.3	1.3	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Chloroform	ND		4.3	0.50	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Chloromethane	ND		4.3	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
cis-1,2-Dichloroethene	ND		4.3	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
cis-1,3-Dichloropropene	ND		4.3	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Cyclohexane	ND		4.3	0.32	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
1,2-Dibromo-3-Chloropropane	ND		4.3	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1

Client Sample Results

Client Sample ID: SSHS-B99-0.17-2 (1)

Lab Sample ID: 180-35776-43

Date Collected: 08/13/14 13:30

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		4.3	0.74	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
1,2-Dichlorobenzene	ND		4.3	0.69	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
1,3-Dichlorobenzene	ND		4.3	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
1,4-Dichlorobenzene	ND		4.3	0.55	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Dichlorobromomethane	ND		4.3	0.48	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Dichlorodifluoromethane	ND		4.3	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
1,1-Dichloroethane	ND		4.3	0.50	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
1,2-Dichloroethane	ND		4.3	0.53	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
1,1-Dichloroethene	ND		4.3	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
1,2-Dichloropropane	ND		4.3	0.47	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
1,4-Dioxane	ND		860	240	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Ethylbenzene	ND		4.3	0.55	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
2-Hexanone	ND		4.3	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Isopropylbenzene	ND		4.3	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Methyl acetate	ND		4.3	0.78	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Methylcyclohexane	ND		4.3	0.62	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Methylene Chloride	ND		4.3	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
4-Methyl-2-pentanone (MIBK)	ND		4.3	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Methyl tert-butyl ether	ND		4.3	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
m-Xylene & p-Xylene	ND		8.6	1.3	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
o-Xylene	ND		4.3	0.67	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Styrene	ND		4.3	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.62	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Tetrachloroethene	ND		4.3	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Toluene	ND		4.3	0.63	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
trans-1,2-Dichloroethene	ND		4.3	0.51	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
trans-1,3-Dichloropropene	ND		4.3	0.51	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
1,2,3-Trichlorobenzene	ND		4.3	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
1,2,4-Trichlorobenzene	ND		4.3	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
1,1,1-Trichloroethane	ND		4.3	0.42	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
1,1,2-Trichloroethane	ND		4.3	0.72	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Trichloroethene	ND		4.3	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Trichlorofluoromethane	ND		4.3	0.79	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.3	0.92	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1
Vinyl chloride	ND		4.3	0.40	ug/Kg	☼	08/17/14 10:00	08/17/14 16:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/17/14 10:00*	*08/17/14 16:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*63 - 120*	*08/17/14 10:00*	*08/17/14 16:14*	*1*
Dibromofluoromethane (Surr)	*89*		*68 - 121*	*08/17/14 10:00*	*08/17/14 16:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*75*		*52 - 124*	*08/17/14 10:00*	*08/17/14 16:14*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/17/14 10:00*	*08/17/14 16:14*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	7.3	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Acenaphthylene	**49**	**J**	76	8.7	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Acetophenone	ND		370	31	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1

Client Sample Results

Client Sample ID: SSHS-B99-0.17-2 (1)

Lab Sample ID: 180-35776-43

Date Collected: 08/13/14 13:30

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 87.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**53**	**J**	76	7.4	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Atrazine	ND		370	37	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Benzaldehyde	ND		370	57	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Benzo[a]anthracene	**180**		76	9.5	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Benzo[a]pyrene	**170**		76	7.6	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Benzo[b]fluoranthene	**200**		76	12	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Benzo[g,h,i]perylene	**150**		76	7.5	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Benzo[k]fluoranthene	**120**		76	15	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
1,1'-Biphenyl	ND		370	34	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Bis(2-chloroethyl)ether	ND		76	10	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Bis(2-ethylhexyl) phthalate	**210**	**J**	760	61	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
4-Bromophenyl phenyl ether	ND		370	33	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Butyl benzyl phthalate	ND		370	52	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Caprolactam	ND		1900	290	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Carbazole	**23**	**J**	76	7.0	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
4-Chloro-3-methylphenol	ND		370	35	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
2-Chloronaphthalene	ND		76	7.9	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
4-Chlorophenyl phenyl ether	ND		370	42	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Chrysene	**190**		76	9.0	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Dibenz(a,h)anthracene	**45**	**J**	76	8.4	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
3,3'-Dichlorobenzidine	ND		370	40	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
2,4-Dichlorophenol	ND		76	7.6	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
2,4-Dimethylphenol	ND		370	59	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
2,4-Dinitrotoluene	ND		370	31	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Di-n-octyl phthalate	ND		370	40	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
1,4-Dioxane	ND		760	43	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Fluoranthene	**400**		76	8.1	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Fluorene	ND		76	10	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Hexachlorobenzene	ND		76	8.1	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Hexachlorobutadiene	ND		76	8.5	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Hexachlorocyclopentadiene	ND		370	41	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Indeno[1,2,3-cd]pyrene	**130**		76	7.8	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Isophorone	ND		370	28	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
2-Methylnaphthalene	**22**	**J**	76	6.8	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Naphthalene	ND		76	6.5	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1

Client Sample ID: SSHS-B99-0.17-2 (1)

Date Collected: 08/13/14 13:30
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-43

Matrix: Solid
Percent Solids: 87.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1900	160	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Nitrobenzene	ND		760	31	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
2-Nitrophenol	ND		370	42	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
N-Nitrosodi-n-propylamine	ND		76	8.9	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
2,2'-oxybis[1-chloropropane]	ND		76	8.2	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Pentachlorophenol	ND		370	34	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Phenanthrene	**210**		76	12	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Phenol	ND		76	8.9	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
Pyrene	**290**		76	7.6	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
1,2,4,5-Tetrachlorobenzene	ND		370	29	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1
2,4,6-Trichlorophenol	ND		370	57	ug/Kg	☼	08/25/14 03:00	08/25/14 16:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*280*	*T J*	*ug/Kg*	☼	*16.22*		*08/25/14 03:00*	*08/25/14 16:56*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*17.72*		*08/25/14 03:00*	*08/25/14 16:56*	*1*
Unknown	*390*	*T J*	*ug/Kg*	☼	*18.11*		*08/25/14 03:00*	*08/25/14 16:56*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*19.26*		*08/25/14 03:00*	*08/25/14 16:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 105*	*08/25/14 03:00*	*08/25/14 16:56*	*1*
2-Fluorophenol (Surr)	*56*		*39 - 103*	*08/25/14 03:00*	*08/25/14 16:56*	*1*
Nitrobenzene-d5 (Surr)	*62*		*25 - 104*	*08/25/14 03:00*	*08/25/14 16:56*	*1*
Phenol-d5 (Surr)	*58*		*25 - 105*	*08/25/14 03:00*	*08/25/14 16:56*	*1*
Terphenyl-d14 (Surr)	*66*		*25 - 127*	*08/25/14 03:00*	*08/25/14 16:56*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*35 - 124*	*08/25/14 03:00*	*08/25/14 16:56*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
alpha-BHC	ND		2.0	0.31	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
alpha-Chlordane	**0.56**	**J p**	2.0	0.38	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
beta-BHC	ND		2.0	0.50	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
4,4'-DDD	**0.62**	**J p**	2.0	0.25	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
4,4'-DDE	ND		2.0	0.29	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
4,4'-DDT	**4.8**	**p**	2.0	0.29	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
delta-BHC	ND		2.0	0.29	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
Dieldrin	**3.3**		2.0	0.32	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
Endosulfan I	**1.9**	**J**	2.0	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
Endosulfan II	**1.0**	**J p**	2.0	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
Endosulfan sulfate	**2.6**	**p**	2.0	0.20	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
Endrin	**23**		2.0	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
Endrin aldehyde	**1.7**	**J p**	2.0	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
Endrin ketone	**2.3**	**p**	2.0	0.30	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
gamma-BHC (Lindane)	ND		2.0	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
gamma-Chlordane	**19**	**p**	2.0	0.38	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1

Client Sample Results

Client Sample ID: SSHS-B99-0.17-2 (1)

Lab Sample ID: 180-35776-43
Date Collected: 08/13/14 13:30
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 87.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		2.0	0.43	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
Heptachlor epoxide	**11**	**p**	2.0	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
Methoxychlor	**7.3**	**p**	3.8	0.40	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1
Toxaphene	ND		77	13	ug/Kg	☼	08/22/14 16:50	08/26/14 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*	*08/22/14 16:50*	*08/26/14 12:55*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/22/14 16:50*	*08/26/14 12:55*	*1*
Tetrachloro-m-xylene	*101*		*45 - 130*	*08/22/14 16:50*	*08/26/14 12:55*	*1*
Tetrachloro-m-xylene	*98*		*45 - 130*	*08/22/14 16:50*	*08/26/14 12:55*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/22/14 16:50	08/26/14 16:16	1
PCB-1221	ND		19	3.7	ug/Kg	☼	08/22/14 16:50	08/26/14 16:16	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/22/14 16:50	08/26/14 16:16	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/22/14 16:50	08/26/14 16:16	1
PCB-1248	**870**		19	1.8	ug/Kg	☼	08/22/14 16:50	08/26/14 16:16	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/22/14 16:50	08/26/14 16:16	1
PCB-1260	**240**		19	2.7	ug/Kg	☼	08/22/14 16:50	08/26/14 16:48	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/22/14 16:50	08/26/14 16:16	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/22/14 16:50	08/26/14 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*	*08/22/14 16:50*	*08/26/14 16:16*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 125*	*08/22/14 16:50*	*08/26/14 16:48*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*	*08/22/14 16:50*	*08/26/14 16:16*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*	*08/22/14 16:50*	*08/26/14 16:48*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8800**		23	2.4	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Antimony	ND		1.1	0.23	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Arsenic	**10**		1.1	0.35	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Barium	**92**	**B**	23	0.015	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Beryllium	**0.45**		0.45	0.013	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Cadmium	**0.18**	**J B**	0.57	0.016	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Calcium	**9200**		570	1.7	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Chromium	**14**		0.57	0.088	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Cobalt	**8.0**		5.7	0.048	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Copper	**48**		2.8	0.16	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Iron	**19000**		11	1.0	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Lead	**36**		1.1	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Magnesium	**3800**		570	2.3	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Manganese	**450**		1.7	0.10	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Nickel	**94**		4.5	0.054	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Potassium	**710**	**B**	570	7.3	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Selenium	**0.45**	**J**	1.1	0.30	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Silver	ND		0.57	0.046	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Sodium	**110**	**J B**	570	1.2	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1

Client Sample ID: SSHS-B99-0.17-2 (1) Lab Sample ID: 180-35776-43

Date Collected: 08/13/14 13:30 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 87.1**

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		2.3	0.17	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Vanadium	**12**	**B**	5.7	0.20	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1
Zinc	**75**	**B**	2.3	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 08:57	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.047**		0.037	0.012	mg/Kg	☼	08/25/14 10:11	08/25/14 13:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**87**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	**0.55**	**J**	0.59	0.17	mg/Kg	☼	08/20/14 14:00	08/20/14 15:34	1

Client Sample ID: SSHS-B99-2-6 (4) Lab Sample ID: 180-35776-44

Date Collected: 08/13/14 13:39 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 86.5**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.2	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Benzene	ND		4.2	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Bromoform	ND		4.2	0.38	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Bromomethane	ND		4.2	0.63	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
2-Butanone (MEK)	ND		4.2	0.75	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Carbon disulfide	ND		4.2	0.43	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Carbon tetrachloride	ND	*	4.2	0.38	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Chlorobenzene	ND		4.2	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Chlorobromomethane	ND		4.2	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Chlorodibromomethane	ND		4.2	0.60	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Chloroethane	ND	*	4.2	1.3	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Chloroform	ND		4.2	0.50	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Chloromethane	ND		4.2	0.72	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
cis-1,2-Dichloroethene	ND		4.2	0.60	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
cis-1,3-Dichloropropene	ND		4.2	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Cyclohexane	ND		4.2	0.32	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
1,2-Dibromo-3-Chloropropane	ND		4.2	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
1,2-Dibromoethane	ND		4.2	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
1,2-Dichlorobenzene	ND		4.2	0.68	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
1,3-Dichlorobenzene	ND		4.2	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
1,4-Dichlorobenzene	ND		4.2	0.54	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Dichlorobromomethane	ND		4.2	0.48	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Dichlorodifluoromethane	ND		4.2	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
1,1-Dichloroethane	ND		4.2	0.49	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
1,2-Dichloroethane	ND		4.2	0.52	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
1,1-Dichloroethene	ND		4.2	0.72	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
1,2-Dichloropropane	ND		4.2	0.46	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
1,4-Dioxane	ND		850	230	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Ethylbenzene	ND		4.2	0.55	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
2-Hexanone	ND		4.2	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: SSHS-B99-2-6 (4)
Date Collected: 08/13/14 13:39
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-44
Matrix: Solid
Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		4.2	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Methyl acetate	ND		4.2	0.77	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Methylcyclohexane	ND		4.2	0.62	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Methylene Chloride	ND		4.2	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.55	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Methyl tert-butyl ether	ND		4.2	0.63	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
m-Xylene & p-Xylene	ND		8.5	1.2	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
o-Xylene	ND		4.2	0.66	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Styrene	ND		4.2	0.60	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Tetrachloroethene	ND		4.2	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Toluene	ND		4.2	0.62	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
trans-1,2-Dichloroethene	ND		4.2	0.51	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
trans-1,3-Dichloropropene	ND		4.2	0.51	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
1,2,3-Trichlorobenzene	ND		4.2	0.72	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
1,2,4-Trichlorobenzene	ND		4.2	0.75	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
1,1,1-Trichloroethane	ND		4.2	0.41	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
1,1,2-Trichloroethane	ND		4.2	0.71	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Trichloroethene	**3.2**	**J**	4.2	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Trichlorofluoromethane	ND		4.2	0.78	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.2	0.91	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1
Vinyl chloride	ND		4.2	0.40	ug/Kg	☼	08/17/14 10:00	08/17/14 16:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/17/14 10:00*	*08/17/14 16:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*63 - 120*	*08/17/14 10:00*	*08/17/14 16:40*	*1*
Dibromofluoromethane (Surr)	*100*		*68 - 121*	*08/17/14 10:00*	*08/17/14 16:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*52 - 124*	*08/17/14 10:00*	*08/17/14 16:40*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/17/14 10:00*	*08/17/14 16:40*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**13**	**J**	77	7.4	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Acenaphthylene	**47**	**J**	77	8.8	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Acetophenone	ND		380	32	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Anthracene	**57**	**J**	77	7.5	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Atrazine	ND		380	38	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Benzaldehyde	ND		380	58	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Benzo[a]anthracene	**160**		77	9.7	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Benzo[a]pyrene	**140**		77	7.7	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Benzo[b]fluoranthene	**200**		77	12	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Benzo[g,h,i]perylene	**150**		77	7.7	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Benzo[k]fluoranthene	**69**	**J**	77	16	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
1,1'-Biphenyl	ND		380	34	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Bis(2-chloroethoxy)methane	ND		380	25	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Bis(2-chloroethyl)ether	ND		77	10	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Bis(2-ethylhexyl) phthalate	ND		770	62	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
4-Bromophenyl phenyl ether	ND		380	34	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1

Client Sample ID: SSHS-B99-2-6 (4)
Lab Sample ID: 180-35776-44
Date Collected: 08/13/14 13:39
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 86.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		380	53	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Caprolactam	ND		2000	290	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Carbazole	**28**	**J**	77	7.1	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
4-Chloroaniline	ND		380	31	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
4-Chloro-3-methylphenol	ND		380	35	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
2-Chloronaphthalene	ND		77	8.0	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
2-Chlorophenol	ND		380	32	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
4-Chlorophenyl phenyl ether	ND		380	43	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Chrysene	**200**		77	9.2	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Dibenz(a,h)anthracene	**48**	**J**	77	8.6	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Dibenzofuran	ND		380	38	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
3,3'-Dichlorobenzidine	ND		380	41	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
2,4-Dichlorophenol	ND		77	7.7	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Diethyl phthalate	ND		380	42	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
2,4-Dimethylphenol	ND		380	60	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Dimethyl phthalate	ND		380	42	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Di-n-butyl phthalate	**70**	**J**	380	48	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
4,6-Dinitro-2-methylphenol	ND		2000	150	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
2,4-Dinitrophenol	ND		2000	460	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
2,6-Dinitrotoluene	ND		380	40	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Di-n-octyl phthalate	ND		380	41	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
1,4-Dioxane	ND		770	44	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Fluoranthene	**310**		77	8.2	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Fluorene	ND		77	10	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Hexachlorobenzene	ND		77	8.2	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Hexachlorobutadiene	ND		77	8.6	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Hexachlorocyclopentadiene	ND		380	42	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Hexachloroethane	ND		380	28	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Indeno[1,2,3-cd]pyrene	**120**		77	7.9	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Isophorone	ND		380	29	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
2-Methylnaphthalene	**54**	**J**	77	6.9	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Methylphenol, 3 & 4	ND		380	38	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Naphthalene	**51**	**J**	77	6.6	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
2-Nitroaniline	ND		2000	170	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Nitrobenzene	ND		770	32	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
2-Nitrophenol	ND		380	43	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
4-Nitrophenol	ND		2000	140	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
N-Nitrosodi-n-propylamine	ND		77	9.0	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
N-Nitrosodiphenylamine	ND		380	36	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
2,2'-oxybis[1-chloropropane]	ND		77	8.3	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Pentachlorophenol	ND		380	34	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Phenanthrene	**220**		77	12	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Phenol	ND		77	9.1	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
Pyrene	**250**		77	7.8	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1

Client Sample ID: SSHS-B99-2-6 (4)
Date Collected: 08/13/14 13:39
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-44
Matrix: Solid
Percent Solids: 86.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	ND		380	25	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
2,4,5-Trichlorophenol	ND		380	41	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1
2,4,6-Trichlorophenol	ND		380	58	ug/Kg	☼	08/25/14 03:00	08/25/14 17:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*210*	*T J*	*ug/Kg*	☼	*10.45*		*08/25/14 03:00*	*08/25/14 17:24*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*10.82*		*08/25/14 03:00*	*08/25/14 17:24*	*1*
Unknown Substituted Biphenyl	*170*	*T J*	*ug/Kg*	☼	*10.92*		*08/25/14 03:00*	*08/25/14 17:24*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*11.24*		*08/25/14 03:00*	*08/25/14 17:24*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*11.41*		*08/25/14 03:00*	*08/25/14 17:24*	*1*
Unknown Substituted Biphenyl	*170*	*T J*	*ug/Kg*	☼	*11.79*		*08/25/14 03:00*	*08/25/14 17:24*	*1*
Unknown Substituted Biphenyl	*260*	*T J*	*ug/Kg*	☼	*11.82*		*08/25/14 03:00*	*08/25/14 17:24*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*12.70*		*08/25/14 03:00*	*08/25/14 17:24*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*13.12*		*08/25/14 03:00*	*08/25/14 17:24*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*13.88*		*08/25/14 03:00*	*08/25/14 17:24*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*16.72*		*08/25/14 03:00*	*08/25/14 17:24*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*17.49*		*08/25/14 03:00*	*08/25/14 17:24*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*18.12*		*08/25/14 03:00*	*08/25/14 17:24*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*18.41*		*08/25/14 03:00*	*08/25/14 17:24*	*1*
Unknown	*500*	*T J*	*ug/Kg*	☼	*19.05*		*08/25/14 03:00*	*08/25/14 17:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*35 - 105*	*08/25/14 03:00*	*08/25/14 17:24*	*1*
2-Fluorophenol (Surr)	*67*		*39 - 103*	*08/25/14 03:00*	*08/25/14 17:24*	*1*
Nitrobenzene-d5 (Surr)	*74*		*25 - 104*	*08/25/14 03:00*	*08/25/14 17:24*	*1*
Phenol-d5 (Surr)	*67*		*25 - 105*	*08/25/14 03:00*	*08/25/14 17:24*	*1*
Terphenyl-d14 (Surr)	*68*		*25 - 127*	*08/25/14 03:00*	*08/25/14 17:24*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*35 - 124*	*08/25/14 03:00*	*08/25/14 17:24*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
alpha-BHC	ND		2.0	0.31	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
alpha-Chlordane	**0.83**	**J p**	2.0	0.38	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
beta-BHC	ND		2.0	0.50	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
4,4'-DDD	**0.66**	**J p**	2.0	0.25	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
4,4'-DDE	ND		2.0	0.29	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
4,4'-DDT	**33**		2.0	0.29	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
delta-BHC	ND		2.0	0.29	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
Dieldrin	**1.6**	**J p**	2.0	0.32	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
Endosulfan I	**1.8**	**J**	2.0	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
Endosulfan II	**1.1**	**J p**	2.0	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
Endosulfan sulfate	**2.6**	**p**	2.0	0.20	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
Endrin	**15**	**p**	2.0	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
Endrin aldehyde	**3.3**		2.0	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
Endrin ketone	**2.2**	**p**	2.0	0.30	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
gamma-BHC (Lindane)	ND		2.0	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
gamma-Chlordane	**11**	**p**	2.0	0.38	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
Heptachlor	ND		2.0	0.43	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
Heptachlor epoxide	**12**	**p**	2.0	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1

Client Sample ID: SSHS-B99-2-6 (4)
Lab Sample ID: 180-35776-44
Date Collected: 08/13/14 13:39
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 86.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	ND		3.8	0.40	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1
Toxaphene	ND		77	13	ug/Kg	☼	08/22/14 16:50	08/26/14 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*	*08/22/14 16:50*	*08/26/14 13:10*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*	*08/22/14 16:50*	*08/26/14 13:10*	*1*
Tetrachloro-m-xylene	*98*		*45 - 130*	*08/22/14 16:50*	*08/26/14 13:10*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*08/22/14 16:50*	*08/26/14 13:10*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/22/14 16:50	08/26/14 16:48	1
PCB-1221	ND		19	3.7	ug/Kg	☼	08/22/14 16:50	08/26/14 16:48	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/22/14 16:50	08/26/14 16:48	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/22/14 16:50	08/26/14 16:48	1
PCB-1248	**940**		19	1.8	ug/Kg	☼	08/22/14 16:50	08/26/14 16:48	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/22/14 16:50	08/26/14 16:48	1
PCB-1260	**230**		19	2.7	ug/Kg	☼	08/22/14 16:50	08/26/14 17:20	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/22/14 16:50	08/26/14 16:48	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/22/14 16:50	08/26/14 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*	*08/22/14 16:50*	*08/26/14 16:48*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/22/14 16:50*	*08/26/14 17:20*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*45 - 135*	*08/22/14 16:50*	*08/26/14 16:48*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*	*08/22/14 16:50*	*08/26/14 17:20*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6500**		23	2.4	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Antimony	**0.39**	**J**	1.2	0.23	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Arsenic	**10**		1.2	0.36	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Barium	**94**	**B**	23	0.015	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Beryllium	**0.34**	**J**	0.47	0.013	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Cadmium	**0.23**	**J B**	0.58	0.017	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Calcium	**18000**		580	1.8	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Chromium	**24**		0.58	0.090	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Cobalt	**7.0**		5.8	0.049	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Copper	**160**		2.9	0.17	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Iron	**22000**		12	1.0	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Lead	**680**		1.2	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Magnesium	**7000**		580	2.4	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Manganese	**420**		1.8	0.10	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Nickel	**130**		4.7	0.055	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Potassium	**590**	**B**	580	7.5	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Selenium	**0.83**	**J**	1.2	0.31	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Silver	ND		0.58	0.047	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Sodium	**140**	**J B**	580	1.2	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1
Vanadium	**12**	**B**	5.8	0.20	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1

Client Sample Results

Client Sample ID: SSHS-B99-2-6 (4)

Lab Sample ID: 180-35776-44

Date Collected: 08/13/14 13:39
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 86.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	**120**	**B**	2.3	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 09:02	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.060**		0.037	0.012	mg/Kg	☼	08/25/14 10:11	08/25/14 13:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**87**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	**0.62**		0.59	0.17	mg/Kg	☼	08/20/14 14:00	08/20/14 15:34	1

Client Sample ID: SSHS-B99-6-10 (8)

Lab Sample ID: 180-35776-45

Date Collected: 08/13/14 13:52
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 89.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		15	3.8	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Benzene	ND		3.8	0.52	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Bromoform	ND		3.8	0.34	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Bromomethane	ND		3.8	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
2-Butanone (MEK)	ND		3.8	0.68	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Carbon disulfide	ND		3.8	0.39	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Carbon tetrachloride	ND	*	3.8	0.34	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Chlorobenzene	ND		3.8	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Chlorobromomethane	ND		3.8	0.53	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Chlorodibromomethane	ND		3.8	0.55	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Chloroethane	ND	*	3.8	1.2	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Chloroform	ND		3.8	0.45	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Chloromethane	ND		3.8	0.66	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
cis-1,2-Dichloroethene	ND		3.8	0.54	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
cis-1,3-Dichloropropene	ND		3.8	0.52	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Cyclohexane	ND		3.8	0.29	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
1,2-Dibromo-3-Chloropropane	ND		3.8	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
1,2-Dibromoethane	ND		3.8	0.66	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
1,2-Dichlorobenzene	ND		3.8	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
1,3-Dichlorobenzene	ND		3.8	0.50	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
1,4-Dichlorobenzene	ND		3.8	0.49	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Dichlorobromomethane	ND		3.8	0.43	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Dichlorodifluoromethane	ND		3.8	0.51	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
1,1-Dichloroethane	ND		3.8	0.44	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
1,2-Dichloroethane	ND		3.8	0.47	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
1,1-Dichloroethene	ND		3.8	0.65	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
1,2-Dichloropropane	ND		3.8	0.42	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
1,4-Dioxane	ND		770	210	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Ethylbenzene	ND		3.8	0.49	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
2-Hexanone	ND		3.8	0.53	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Isopropylbenzene	ND		3.8	0.52	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Methyl acetate	ND		3.8	0.69	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1

Client Sample ID: SSHS-B99-6-10 (8) **Lab Sample ID: 180-35776-45**
Date Collected: 08/13/14 13:52 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 89.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		3.8	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Methylene Chloride	ND		3.8	0.52	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
4-Methyl-2-pentanone (MIBK)	ND		3.8	0.50	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Methyl tert-butyl ether	ND		3.8	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
m-Xylene & p-Xylene	ND		7.7	1.1	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
o-Xylene	ND		3.8	0.60	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Styrene	ND		3.8	0.54	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
1,1,2,2-Tetrachloroethane	ND		3.8	0.55	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Tetrachloroethene	ND		3.8	0.52	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Toluene	ND		3.8	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
trans-1,2-Dichloroethene	ND		3.8	0.46	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
trans-1,3-Dichloropropene	ND		3.8	0.46	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
1,2,3-Trichlorobenzene	ND		3.8	0.65	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
1,2,4-Trichlorobenzene	ND		3.8	0.68	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
1,1,1-Trichloroethane	ND		3.8	0.37	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
1,1,2-Trichloroethane	ND		3.8	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Trichloroethene	**3.2**	**J**	3.8	0.51	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Trichlorofluoromethane	ND		3.8	0.71	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	3.8	0.82	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1
Vinyl chloride	ND		3.8	0.36	ug/Kg	☼	08/17/14 10:00	08/17/14 17:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/17/14 10:00*	*08/17/14 17:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*63 - 120*	*08/17/14 10:00*	*08/17/14 17:05*	*1*
Dibromofluoromethane (Surr)	*94*		*68 - 121*	*08/17/14 10:00*	*08/17/14 17:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*52 - 124*	*08/17/14 10:00*	*08/17/14 17:05*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*08/17/14 10:00*	*08/17/14 17:05*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	7.1	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Acenaphthylene	**21**	**J**	75	8.5	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Acetophenone	ND		370	31	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Anthracene	**25**	**J**	75	7.3	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Atrazine	ND		370	36	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Benzo[a]anthracene	**70**	**J**	75	9.3	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Benzo[a]pyrene	**66**	**J**	75	7.4	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Benzo[b]fluoranthene	**49**	**J**	75	12	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Benzo[g,h,i]perylene	**59**	**J**	75	7.4	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Benzo[k]fluoranthene	**73**	**J**	75	15	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Bis(2-chloroethoxy)methane	ND		370	24	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Bis(2-ethylhexyl) phthalate	ND		750	60	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1

Client Sample ID: SSHS-B99-6-10 (8) **Lab Sample ID: 180-35776-45**
Date Collected: 08/13/14 13:52 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 89.3**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		75	6.8	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
2-Chloronaphthalene	ND		75	7.7	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
2-Chlorophenol	ND		370	30	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Chrysene	**84**		75	8.8	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Dibenz(a,h)anthracene	ND		75	8.3	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
2,4-Dichlorophenol	ND		75	7.4	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Dimethyl phthalate	ND		370	40	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Fluoranthene	**130**		75	7.9	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Fluorene	ND		75	9.8	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Hexachlorobenzene	ND		75	7.9	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Hexachlorobutadiene	ND		75	8.3	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Indeno[1,2,3-cd]pyrene	**53**	**J**	75	7.7	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Isophorone	ND		370	28	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
2-Methylnaphthalene	**14**	**J**	75	6.7	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Methylphenol, 3 & 4	ND		370	36	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Naphthalene	ND		75	6.4	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
N-Nitrosodi-n-propylamine	ND		75	8.7	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
N-Nitrosodiphenylamine	ND		370	34	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
2,2'-oxybis[1-chloropropane]	ND		75	8.0	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Phenanthrene	**76**		75	12	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Phenol	ND		75	8.8	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
Pyrene	**110**		75	7.5	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1

Client Sample Results

Client Sample ID: SSHS-B99-6-10 (8)
Date Collected: 08/13/14 13:52
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-45
Matrix: Solid
Percent Solids: 89.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/25/14 03:00	08/25/14 17:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*540*	*T J*	*ug/Kg*	☼	*10.45*		*08/25/14 03:00*	*08/25/14 17:51*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*12.70*		*08/25/14 03:00*	*08/25/14 17:51*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*13.11*		*08/25/14 03:00*	*08/25/14 17:51*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*13.88*		*08/25/14 03:00*	*08/25/14 17:51*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*15.84*		*08/25/14 03:00*	*08/25/14 17:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*08/25/14 03:00*	*08/25/14 17:51*	*1*
2-Fluorophenol (Surr)	*71*		*39 - 103*	*08/25/14 03:00*	*08/25/14 17:51*	*1*
Nitrobenzene-d5 (Surr)	*72*		*25 - 104*	*08/25/14 03:00*	*08/25/14 17:51*	*1*
Phenol-d5 (Surr)	*68*		*25 - 105*	*08/25/14 03:00*	*08/25/14 17:51*	*1*
Terphenyl-d14 (Surr)	*70*		*25 - 127*	*08/25/14 03:00*	*08/25/14 17:51*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*35 - 124*	*08/25/14 03:00*	*08/25/14 17:51*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
alpha-Chlordane	**0.97**	**J p**	1.9	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
beta-BHC	**0.49**	**J p**	1.9	0.48	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
4,4'-DDD	**1.3**	**J p**	1.9	0.24	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
4,4'-DDT	**63**		1.9	0.28	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
Dieldrin	**6.8**		1.9	0.31	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
Endosulfan I	**3.0**		1.9	0.35	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
Endosulfan II	**1.4**	**J p**	1.9	0.33	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
Endosulfan sulfate	**3.8**	**p**	1.9	0.19	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
Endrin	**30**		1.9	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
Endrin aldehyde	**5.0**		1.9	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
Endrin ketone	**2.7**	**p**	1.9	0.29	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
gamma-Chlordane	**20**	**p**	1.9	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
Heptachlor epoxide	**12**	**p**	1.9	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
Methoxychlor	**0.83**	**J p**	3.7	0.39	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1
Toxaphene	ND		75	12	ug/Kg	☼	08/22/14 16:50	08/26/14 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/22/14 16:50*	*08/26/14 13:26*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/22/14 16:50*	*08/26/14 13:26*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*08/22/14 16:50*	*08/26/14 13:26*	*1*
Tetrachloro-m-xylene	*95*		*45 - 130*	*08/22/14 16:50*	*08/26/14 13:26*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/22/14 16:50	08/26/14 17:20	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/22/14 16:50	08/26/14 17:20	1

Client Sample ID: SSHS-B99-6-10 (8) **Lab Sample ID: 180-35776-45**
Date Collected: 08/13/14 13:52 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 89.3**

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		19	3.2	ug/Kg	☼	08/22/14 16:50	08/26/14 17:20	1
PCB-1242	ND		19	3.0	ug/Kg	☼	08/22/14 16:50	08/26/14 17:20	1
PCB-1248	**1100**		19	1.8	ug/Kg	☼	08/22/14 16:50	08/26/14 17:51	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/22/14 16:50	08/26/14 17:20	1
PCB-1260	**330**		19	2.7	ug/Kg	☼	08/22/14 16:50	08/26/14 17:20	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/22/14 16:50	08/26/14 17:20	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/22/14 16:50	08/26/14 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/22/14 16:50*	*08/26/14 17:20*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/22/14 16:50*	*08/26/14 17:51*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*	*08/22/14 16:50*	*08/26/14 17:20*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*45 - 135*	*08/22/14 16:50*	*08/26/14 17:51*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5400**		22	2.3	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Arsenic	**6.7**		1.1	0.34	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Barium	**59**	**B**	22	0.014	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Beryllium	**0.25**	**J**	0.44	0.012	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Cadmium	**0.087**	**J B**	0.55	0.016	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Calcium	**33000**		550	1.7	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Chromium	**9.7**		0.55	0.086	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Cobalt	**5.2**	**J**	5.5	0.046	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Copper	**47**		2.8	0.16	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Iron	**15000**		11	0.98	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Lead	**41**		1.1	0.11	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Magnesium	**7300**		550	2.3	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Manganese	**270**		1.7	0.099	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Nickel	**39**		4.4	0.053	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Potassium	**480**	**J B**	550	7.1	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Selenium	**0.41**	**J**	1.1	0.30	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Silver	ND		0.55	0.045	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Sodium	**84**	**J B**	550	1.2	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Vanadium	**8.5**	**B**	5.5	0.19	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1
Zinc	**60**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 14:02	08/27/14 09:07	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.021**	**J**	0.036	0.012	mg/Kg	☼	08/25/14 10:11	08/25/14 13:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**89**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	**0.20**	**J**	0.58	0.17	mg/Kg	☼	08/20/14 14:00	08/20/14 15:34	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: SSHS-B99-10-14.5 (12)
Date Collected: 08/13/14 14:05
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-46
Matrix: Solid
Percent Solids: 95.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.3	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Benzene	ND		4.3	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Bromoform	ND		4.3	0.38	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Bromomethane	ND		4.3	0.63	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
2-Butanone (MEK)	ND		4.3	0.75	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Carbon disulfide	ND		4.3	0.44	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Carbon tetrachloride	ND	*	4.3	0.38	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Chlorobenzene	ND		4.3	0.65	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Chlorobromomethane	ND		4.3	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Chlorodibromomethane	ND		4.3	0.60	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Chloroethane	ND	*	4.3	1.3	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Chloroform	ND		4.3	0.50	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Chloromethane	ND		4.3	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
cis-1,2-Dichloroethene	ND		4.3	0.60	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
cis-1,3-Dichloropropene	ND		4.3	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Cyclohexane	ND		4.3	0.32	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
1,2-Dibromo-3-Chloropropane	ND		4.3	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
1,2-Dibromoethane	ND		4.3	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
1,2-Dichlorobenzene	ND		4.3	0.68	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
1,3-Dichlorobenzene	ND		4.3	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
1,4-Dichlorobenzene	ND		4.3	0.54	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Dichlorobromomethane	ND		4.3	0.48	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Dichlorodifluoromethane	ND		4.3	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
1,1-Dichloroethane	ND		4.3	0.49	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
1,2-Dichloroethane	ND		4.3	0.52	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
1,1-Dichloroethene	ND		4.3	0.72	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
1,2-Dichloropropane	ND		4.3	0.46	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
1,4-Dioxane	ND		850	240	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Ethylbenzene	ND		4.3	0.55	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
2-Hexanone	ND		4.3	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Isopropylbenzene	ND		4.3	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Methyl acetate	ND		4.3	0.77	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Methylcyclohexane	ND		4.3	0.62	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Methylene Chloride	ND		4.3	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
4-Methyl-2-pentanone (MIBK)	ND		4.3	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Methyl tert-butyl ether	ND		4.3	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
m-Xylene & p-Xylene	ND		8.5	1.3	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
o-Xylene	ND		4.3	0.66	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Styrene	ND		4.3	0.60	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Tetrachloroethene	ND		4.3	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Toluene	ND		4.3	0.62	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
trans-1,2-Dichloroethene	ND		4.3	0.51	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
trans-1,3-Dichloropropene	ND		4.3	0.51	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
1,2,3-Trichlorobenzene	ND		4.3	0.72	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
1,2,4-Trichlorobenzene	ND		4.3	0.75	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
1,1,1-Trichloroethane	ND		4.3	0.41	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
1,1,2-Trichloroethane	ND		4.3	0.71	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Trichloroethene	ND		4.3	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B99-10-14.5 (12) Lab Sample ID: 180-35776-46

Date Collected: 08/13/14 14:05 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 95.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.3	0.78	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.3	0.91	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1
Vinyl chloride	ND		4.3	0.40	ug/Kg	☼	08/17/14 10:00	08/17/14 17:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/17/14 10:00*	*08/17/14 17:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*63 - 120*	*08/17/14 10:00*	*08/17/14 17:31*	*1*
Dibromofluoromethane (Surr)	*87*		*68 - 121*	*08/17/14 10:00*	*08/17/14 17:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*80*		*52 - 124*	*08/17/14 10:00*	*08/17/14 17:31*	*1*
Toluene-d8 (Surr)	*94*		*72 - 127*	*08/17/14 10:00*	*08/17/14 17:31*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	6.7	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Acenaphthylene	ND		70	8.0	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Acetophenone	ND		340	29	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Anthracene	ND		70	6.8	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Atrazine	ND		340	34	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Benzaldehyde	ND		340	52	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Benzo[a]anthracene	ND		70	8.7	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Benzo[a]pyrene	ND		70	6.9	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Benzo[b]fluoranthene	ND		70	11	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Benzo[g,h,i]perylene	ND		70	6.9	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Benzo[k]fluoranthene	ND		70	14	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
1,1'-Biphenyl	ND		340	31	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Bis(2-chloroethoxy)methane	ND		340	23	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Bis(2-chloroethyl)ether	ND		70	9.3	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Bis(2-ethylhexyl) phthalate	ND		700	56	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
4-Bromophenyl phenyl ether	ND		340	30	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Butyl benzyl phthalate	ND		340	47	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Caprolactam	ND		1800	260	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Carbazole	ND		70	6.4	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
4-Chloroaniline	ND		340	28	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
4-Chloro-3-methylphenol	ND		340	32	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
2-Chloronaphthalene	ND		70	7.2	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
2-Chlorophenol	ND		340	28	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
4-Chlorophenyl phenyl ether	ND		340	39	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Chrysene	ND		70	8.3	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Dibenz(a,h)anthracene	ND		70	7.7	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Dibenzofuran	ND		340	34	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
3,3'-Dichlorobenzidine	ND		340	37	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
2,4-Dichlorophenol	ND		70	7.0	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Diethyl phthalate	ND		340	38	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
2,4-Dimethylphenol	ND		340	54	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Dimethyl phthalate	ND		340	38	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Di-n-butyl phthalate	ND		340	44	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
2,4-Dinitrophenol	ND		1800	410	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1

Client Sample Results

Client Sample ID: SSHS-B99-10-14.5 (12)

Lab Sample ID: 180-35776-46

Date Collected: 08/13/14 14:05
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 95.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		340	28	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
2,6-Dinitrotoluene	ND		340	36	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Di-n-octyl phthalate	ND		340	37	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
1,4-Dioxane	ND		700	40	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Fluoranthene	ND		70	7.4	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Fluorene	ND		70	9.2	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Hexachlorobenzene	ND		70	7.4	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Hexachlorobutadiene	ND		70	7.8	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Hexachlorocyclopentadiene	ND		340	37	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Hexachloroethane	ND		340	25	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Indeno[1,2,3-cd]pyrene	ND		70	7.2	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Isophorone	ND		340	26	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
2-Methylnaphthalene	ND		70	6.2	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
2-Methylphenol	ND		340	24	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Methylphenol, 3 & 4	ND		340	34	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Naphthalene	ND		70	6.0	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
3-Nitroaniline	ND		1800	140	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Nitrobenzene	ND		700	29	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
2-Nitrophenol	ND		340	38	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
N-Nitrosodi-n-propylamine	ND		70	8.1	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
N-Nitrosodiphenylamine	ND		340	32	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
2,2'-oxybis[1-chloropropane]	ND		70	7.5	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Pentachlorophenol	ND		340	31	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Phenanthrene	ND		70	11	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Phenol	ND		70	8.2	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
Pyrene	ND		70	7.0	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
1,2,4,5-Tetrachlorobenzene	ND		340	26	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
2,3,4,6-Tetrachlorophenol	ND		340	22	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
2,4,5-Trichlorophenol	ND		340	37	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1
2,4,6-Trichlorophenol	ND		340	52	ug/Kg	☼	08/25/14 03:00	08/25/14 18:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*410*	*T J*	*ug/Kg*	☼	*13.12*		*08/25/14 03:00*	*08/25/14 18:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*35 - 105*	*08/25/14 03:00*	*08/25/14 18:19*	*1*
2-Fluorophenol (Surr)	*67*		*39 - 103*	*08/25/14 03:00*	*08/25/14 18:19*	*1*
Nitrobenzene-d5 (Surr)	*72*		*25 - 104*	*08/25/14 03:00*	*08/25/14 18:19*	*1*
Phenol-d5 (Surr)	*67*		*25 - 105*	*08/25/14 03:00*	*08/25/14 18:19*	*1*
Terphenyl-d14 (Surr)	*71*		*25 - 127*	*08/25/14 03:00*	*08/25/14 18:19*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*35 - 124*	*08/25/14 03:00*	*08/25/14 18:19*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
alpha-BHC	ND		1.8	0.28	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
alpha-Chlordane	ND		1.8	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1

Client Sample ID: SSHS-B99-10-14.5 (12)
Lab Sample ID: 180-35776-46
Date Collected: 08/13/14 14:05
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 95.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.8	0.45	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
4,4'-DDE	ND		1.8	0.26	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
4,4'-DDT	**2.9**		1.8	0.26	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
delta-BHC	ND		1.8	0.26	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
Endosulfan I	ND		1.8	0.32	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
Endosulfan II	ND		1.8	0.30	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
Endosulfan sulfate	**0.29**	**J p**	1.8	0.18	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
Endrin	**0.55**	**J p**	1.8	0.33	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
Endrin aldehyde	ND		1.8	0.33	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
gamma-BHC (Lindane)	ND		1.8	0.30	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
gamma-Chlordane	ND		1.8	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
Heptachlor	ND		1.8	0.38	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
Methoxychlor	ND		3.4	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1
Toxaphene	ND		69	12	ug/Kg	☼	08/22/14 16:50	08/26/14 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 130*	*08/22/14 16:50*	*08/26/14 13:42*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/22/14 16:50*	*08/26/14 13:42*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*08/22/14 16:50*	*08/26/14 13:42*	*1*
Tetrachloro-m-xylene	*94*		*45 - 130*	*08/22/14 16:50*	*08/26/14 13:42*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.6	ug/Kg	☼	08/22/14 16:50	08/26/14 17:51	1
PCB-1221	ND		17	3.3	ug/Kg	☼	08/22/14 16:50	08/26/14 17:51	1
PCB-1232	ND		17	3.0	ug/Kg	☼	08/22/14 16:50	08/26/14 17:51	1
PCB-1242	ND		17	2.8	ug/Kg	☼	08/22/14 16:50	08/26/14 17:51	1
PCB-1248	**21**		17	1.6	ug/Kg	☼	08/22/14 16:50	08/26/14 18:23	1
PCB-1254	ND		17	2.5	ug/Kg	☼	08/22/14 16:50	08/26/14 17:51	1
PCB-1260	**19**		17	2.5	ug/Kg	☼	08/22/14 16:50	08/26/14 17:51	1
PCB-1262	ND		17	3.8	ug/Kg	☼	08/22/14 16:50	08/26/14 17:51	1
PCB-1268	ND		17	2.2	ug/Kg	☼	08/22/14 16:50	08/26/14 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*	*08/22/14 16:50*	*08/26/14 17:51*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/22/14 16:50*	*08/26/14 18:23*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*	*08/22/14 16:50*	*08/26/14 17:51*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*45 - 135*	*08/22/14 16:50*	*08/26/14 18:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5500**		19	2.0	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Antimony	ND		0.97	0.19	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Arsenic	**7.1**		0.97	0.30	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Barium	**57**	**B**	19	0.012	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Beryllium	**0.21**	**J**	0.39	0.011	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B99-10-14.5 (12) Lab Sample ID: 180-35776-46

Date Collected: 08/13/14 14:05 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 95.4**

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.060**	**J B**	0.49	0.014	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Calcium	**47000**		490	1.5	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Chromium	**8.3**		0.49	0.075	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Cobalt	**5.2**		4.9	0.041	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Copper	**20**		2.4	0.14	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Iron	**13000**		9.7	0.86	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Lead	**6.7**		0.97	0.099	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Magnesium	**10000**		490	2.0	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Manganese	**420**		1.5	0.086	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Nickel	**17**		3.9	0.046	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Potassium	**680**	**B**	490	6.2	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Selenium	**0.46**	**J**	0.97	0.26	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Silver	ND		0.49	0.039	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Sodium	**82**	**J B**	490	1.0	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Thallium	ND		1.9	0.14	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Vanadium	**9.2**	**B**	4.9	0.17	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1
Zinc	**79**	**B**	1.9	0.10	mg/Kg	☼	08/20/14 14:02	08/27/14 09:13	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.012**	**J**	0.033	0.011	mg/Kg	☼	08/25/14 10:11	08/25/14 13:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.6**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**95**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	**0.36**	**J**	0.54	0.16	mg/Kg	☼	08/20/14 14:00	08/20/14 15:34	1

Client Sample ID: SSHS-B98-SS Lab Sample ID: 180-35776-47

Date Collected: 08/13/14 10:45 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 72.9**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1200**		1200	310	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Benzene	ND		310	62	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Bromoform	ND		310	67	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Bromomethane	ND		310	98	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
2-Butanone (MEK)	ND		310	68	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Carbon disulfide	ND		310	67	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Carbon tetrachloride	ND		310	68	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Chlorobenzene	ND		310	33	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Chlorobromomethane	ND		310	63	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Chlorodibromomethane	ND		310	40	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Chloroethane	ND		310	47	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Chloroform	ND		310	63	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Chloromethane	ND		310	87	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
cis-1,2-Dichloroethene	ND		310	42	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
cis-1,3-Dichloropropene	ND		310	45	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Cyclohexane	ND		310	37	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1

Client Sample ID: SSHS-B98-SS

Lab Sample ID: 180-35776-47

Date Collected: 08/13/14 10:45

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 72.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	*	310	22	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
1,2-Dibromoethane	ND		310	38	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
1,2-Dichlorobenzene	ND		310	43	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
1,3-Dichlorobenzene	ND		310	32	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
1,4-Dichlorobenzene	ND		310	33	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Dichlorobromomethane	ND		310	58	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Dichlorodifluoromethane	ND		310	40	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
1,1-Dichloroethane	ND		310	63	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
1,2-Dichloroethane	ND		310	60	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
1,1-Dichloroethene	ND		310	67	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
1,2-Dichloropropane	ND		310	80	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
1,4-Dioxane	ND		62000	6100	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Ethylbenzene	ND		310	39	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
2-Hexanone	ND		310	36	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Isopropylbenzene	ND		310	33	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Methyl acetate	ND		310	77	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Methylcyclohexane	ND		310	35	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Methylene Chloride	ND		310	68	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
4-Methyl-2-pentanone (MIBK)	ND		310	37	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Methyl tert-butyl ether	ND		310	64	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
m-Xylene & p-Xylene	ND		620	80	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
o-Xylene	ND		310	46	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Styrene	ND		310	40	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
1,1,2,2-Tetrachloroethane	ND		310	58	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Tetrachloroethene	ND		310	52	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Toluene	ND		310	53	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
trans-1,2-Dichloroethene	ND		310	47	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
trans-1,3-Dichloropropene	ND		310	36	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
1,2,3-Trichlorobenzene	ND		310	39	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
1,2,4-Trichlorobenzene	ND		310	24	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
1,1,1-Trichloroethane	ND		310	64	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
1,1,2-Trichloroethane	ND		310	73	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Trichloroethene	ND		310	50	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Trichlorofluoromethane	ND		310	70	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		310	21	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1
Vinyl chloride	ND		310	81	ug/Kg	☼	08/19/14 08:45	08/19/14 19:02	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, tetrahydro-	*2800*	*T J N*	*ug/Kg*	☼	*6.71*	*109-99-9*	*08/19/14 08:45*	*08/19/14 19:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/19/14 08:45*	*08/19/14 19:02*	*1*
Dibromofluoromethane (Surr)	*96*		*68 - 121*	*08/19/14 08:45*	*08/19/14 19:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*72*		*52 - 124*	*08/19/14 08:45*	*08/19/14 19:02*	*1*
Toluene-d8 (Surr)	*119*		*72 - 127*	*08/19/14 08:45*	*08/19/14 19:02*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		92	8.8	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Acenaphthylene	**23**	**J**	92	10	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: SSHS-B98-SS
Date Collected: 08/13/14 10:45
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-47
Matrix: Solid
Percent Solids: 72.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		450	38	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Anthracene	**32**	**J**	92	9.0	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Atrazine	ND		450	45	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Benzaldehyde	ND		450	69	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Benzo[a]anthracene	**120**		92	11	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Benzo[a]pyrene	**120**		92	9.2	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Benzo[b]fluoranthene	**190**		92	14	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Benzo[g,h,i]perylene	**130**		92	9.1	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Benzo[k]fluoranthene	**40**	**J**	92	18	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
1,1'-Biphenyl	ND		450	41	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Bis(2-chloroethoxy)methane	ND		450	30	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Bis(2-chloroethyl)ether	ND		92	12	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Bis(2-ethylhexyl) phthalate	ND		920	74	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
4-Bromophenyl phenyl ether	ND		450	40	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Butyl benzyl phthalate	**82**	**J**	450	63	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Caprolactam	ND		2300	350	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Carbazole	ND		92	8.4	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
4-Chloroaniline	ND		450	37	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
4-Chloro-3-methylphenol	ND		450	42	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
2-Chloronaphthalene	ND		92	9.5	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
2-Chlorophenol	ND		450	37	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
4-Chlorophenyl phenyl ether	ND		450	51	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Chrysene	**140**		92	11	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Dibenz(a,h)anthracene	**34**	**J**	92	10	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Dibenzofuran	ND		450	45	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
3,3'-Dichlorobenzidine	ND		450	48	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
2,4-Dichlorophenol	ND		92	9.2	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Diethyl phthalate	ND		450	50	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
2,4-Dimethylphenol	ND		450	72	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Dimethyl phthalate	ND		450	50	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Di-n-butyl phthalate	ND		450	57	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
4,6-Dinitro-2-methylphenol	ND		2300	180	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
2,4-Dinitrophenol	ND		2300	540	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
2,4-Dinitrotoluene	ND		450	37	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
2,6-Dinitrotoluene	ND		450	47	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Di-n-octyl phthalate	ND		450	48	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
1,4-Dioxane	ND		920	52	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Fluoranthene	**240**		92	9.8	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Fluorene	ND		92	12	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Hexachlorobenzene	ND		92	9.7	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Hexachlorobutadiene	ND		92	10	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Hexachlorocyclopentadiene	ND		450	49	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Hexachloroethane	ND		450	33	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Indeno[1,2,3-cd]pyrene	**100**		92	9.4	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Isophorone	ND		450	34	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
2-Methylnaphthalene	**16**	**J**	92	8.2	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
2-Methylphenol	ND		450	32	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Methylphenol, 3 & 4	ND		450	45	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Naphthalene	ND		92	7.9	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1

Client Sample ID: SSHS-B98-SS
Date Collected: 08/13/14 10:45
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-47
Matrix: Solid
Percent Solids: 72.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2300	200	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
3-Nitroaniline	ND		2300	190	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
4-Nitroaniline	ND		2300	190	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Nitrobenzene	ND		920	38	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
2-Nitrophenol	ND		450	50	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
4-Nitrophenol	ND		2300	170	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
N-Nitrosodi-n-propylamine	ND		92	11	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
N-Nitrosodiphenylamine	ND		450	42	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
2,2'-oxybis[1-chloropropane]	ND		92	9.9	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Pentachlorophenol	ND		450	41	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Phenanthrene	**120**		92	15	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Phenol	ND		92	11	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
Pyrene	**200**		92	9.3	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
1,2,4,5-Tetrachlorobenzene	ND		450	35	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
2,3,4,6-Tetrachlorophenol	ND		450	29	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
2,4,5-Trichlorophenol	ND		450	49	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1
2,4,6-Trichlorophenol	ND		450	68	ug/Kg	☼	08/25/14 03:00	08/25/14 18:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*370*	*T J*	*ug/Kg*	☼	*1.46*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*10.49*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*13.85*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*15.19*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*16.05*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*3300*	*T J*	*ug/Kg*	☼	*16.20*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*4100*	*T J*	*ug/Kg*	☼	*16.65*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*680*	*T J*	*ug/Kg*	☼	*17.50*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*1600*	*T J*	*ug/Kg*	☼	*17.69*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Eicosane	*1700*	*T J N*	*ug/Kg*	☼	*18.09*	*112-95-8*	*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*1300*	*T J*	*ug/Kg*	☼	*18.16*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*18.27*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*660*	*T J*	*ug/Kg*	☼	*18.64*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*18.96*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*840*	*T J*	*ug/Kg*	☼	*19.05*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*1800*	*T J*	*ug/Kg*	☼	*19.24*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*19.66*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*19.73*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*19.89*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*2700*	*T J*	*ug/Kg*	☼	*20.30*		*08/25/14 03:00*	*08/25/14 18:47*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*20.74*		*08/25/14 03:00*	*08/25/14 18:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*08/25/14 03:00*	*08/25/14 18:47*	*1*
2-Fluorophenol (Surr)	*66*		*39 - 103*	*08/25/14 03:00*	*08/25/14 18:47*	*1*
Nitrobenzene-d5 (Surr)	*71*		*25 - 104*	*08/25/14 03:00*	*08/25/14 18:47*	*1*
Phenol-d5 (Surr)	*66*		*25 - 105*	*08/25/14 03:00*	*08/25/14 18:47*	*1*
Terphenyl-d14 (Surr)	*67*		*25 - 127*	*08/25/14 03:00*	*08/25/14 18:47*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*35 - 124*	*08/25/14 03:00*	*08/25/14 18:47*	*1*

Client Sample Results

Client Sample ID: SSHS-B98-SS

Lab Sample ID: 180-35776-47

Date Collected: 08/13/14 10:45
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 72.9

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.3	0.41	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
alpha-BHC	ND		2.3	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
alpha-Chlordane	ND		2.3	0.45	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
beta-BHC	ND		2.3	0.59	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
4,4'-DDD	**0.88**	**J p**	2.3	0.30	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
4,4'-DDE	ND		2.3	0.35	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
4,4'-DDT	**15**		2.3	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
delta-BHC	**1.7**	**J**	2.3	0.35	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
Dieldrin	**0.73**	**J p**	2.3	0.38	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
Endosulfan I	**0.98**	**J**	2.3	0.43	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
Endosulfan II	ND		2.3	0.40	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
Endosulfan sulfate	**0.58**	**J p**	2.3	0.24	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
Endrin	**7.0**	**p**	2.3	0.44	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
Endrin aldehyde	**0.73**	**J p**	2.3	0.44	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
Endrin ketone	**0.66**	**J p**	2.3	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
gamma-BHC (Lindane)	ND		2.3	0.40	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
gamma-Chlordane	**7.4**	**p**	2.3	0.45	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
Heptachlor	ND		2.3	0.51	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
Heptachlor epoxide	**3.8**	**p**	2.3	0.45	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
Methoxychlor	**4.5**	**p**	4.5	0.48	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1
Toxaphene	ND		92	15	ug/Kg	☼	08/22/14 16:50	08/26/14 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*96*		*45 - 130*	*08/22/14 16:50*	*08/26/14 13:57*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*08/22/14 16:50*	*08/26/14 13:57*	*1*
Tetrachloro-m-xylene	*91*		*45 - 130*	*08/22/14 16:50*	*08/26/14 13:57*	*1*
Tetrachloro-m-xylene	*85*		*45 - 130*	*08/22/14 16:50*	*08/26/14 13:57*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		23	3.4	ug/Kg	☼	08/22/14 16:50	08/26/14 18:23	1
PCB-1221	ND		23	4.4	ug/Kg	☼	08/22/14 16:50	08/26/14 18:23	1
PCB-1232	ND		23	3.9	ug/Kg	☼	08/22/14 16:50	08/26/14 18:23	1
PCB-1242	ND		23	3.7	ug/Kg	☼	08/22/14 16:50	08/26/14 18:23	1
PCB-1248	**480**		23	2.2	ug/Kg	☼	08/22/14 16:50	08/26/14 18:23	1
PCB-1254	ND		23	3.3	ug/Kg	☼	08/22/14 16:50	08/26/14 18:23	1
PCB-1260	**100**		23	3.2	ug/Kg	☼	08/22/14 16:50	08/26/14 18:55	1
PCB-1262	ND		23	5.0	ug/Kg	☼	08/22/14 16:50	08/26/14 18:23	1
PCB-1268	ND		23	2.9	ug/Kg	☼	08/22/14 16:50	08/26/14 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*	*08/22/14 16:50*	*08/26/14 18:23*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/22/14 16:50*	*08/26/14 18:55*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*45 - 135*	*08/22/14 16:50*	*08/26/14 18:23*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*45 - 135*	*08/22/14 16:50*	*08/26/14 18:55*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9200**		27	2.9	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Antimony	ND		1.4	0.27	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1

Client Sample ID: SSHS-B98-SS

Lab Sample ID: 180-35776-47
Date Collected: 08/13/14 10:45
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 72.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.3**		1.4	0.42	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Barium	**110**	**B**	27	0.018	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Beryllium	**0.49**	**J**	0.55	0.015	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Cadmium	**0.20**	**J B**	0.69	0.020	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Calcium	**3900**		690	2.1	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Chromium	**15**		0.69	0.11	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Cobalt	**8.1**		6.9	0.057	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Copper	**26**		3.4	0.20	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Iron	**20000**		14	1.2	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Lead	**67**		1.4	0.14	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Magnesium	**2900**		690	2.8	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Manganese	**460**		2.1	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Nickel	**44**		5.5	0.065	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Potassium	**1200**	**B**	690	8.8	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Selenium	**0.67**	**J**	1.4	0.37	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Silver	ND		0.69	0.055	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Sodium	**89**	**J B**	690	1.5	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Thallium	ND		2.7	0.20	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Vanadium	**13**	**B**	6.9	0.24	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1
Zinc	**79**	**B**	2.7	0.14	mg/Kg	☼	08/20/14 14:02	08/27/14 09:18	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.045**		0.044	0.014	mg/Kg	☼	08/25/14 10:11	08/25/14 13:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**27**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**73**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	**0.28**	**J**	0.69	0.20	mg/Kg	☼	08/20/14 14:00	08/20/14 15:34	1

Client Sample ID: SSHS-B98-0.17-2 (1)

Lab Sample ID: 180-35776-48
Date Collected: 08/13/14 10:49
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 77.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**82**		24	6.0	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Benzene	ND		6.0	0.81	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Bromoform	ND		6.0	0.53	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Bromomethane	ND		6.0	0.89	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
2-Butanone (MEK)	ND		6.0	1.1	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Carbon disulfide	ND		6.0	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Carbon tetrachloride	ND		6.0	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Chlorobenzene	ND		6.0	0.91	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Chlorobromomethane	ND		6.0	0.83	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Chlorodibromomethane	ND		6.0	0.85	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Chloroethane	ND		6.0	1.9	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Chloroform	ND		6.0	0.70	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Chloromethane	ND		6.0	1.0	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1

Client Sample ID: SSHS-B98-0.17-2 (1)
Lab Sample ID: 180-35776-48
Date Collected: 08/13/14 10:49
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 77.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		6.0	0.85	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
cis-1,3-Dichloropropene	ND		6.0	0.81	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Cyclohexane	ND		6.0	0.45	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
1,2-Dibromo-3-Chloropropane	ND		6.0	0.90	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
1,2-Dibromoethane	ND		6.0	1.0	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
1,2-Dichlorobenzene	ND		6.0	0.96	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
1,3-Dichlorobenzene	ND		6.0	0.79	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
1,4-Dichlorobenzene	ND		6.0	0.77	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Dichlorobromomethane	ND		6.0	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Dichlorodifluoromethane	ND		6.0	0.80	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
1,1-Dichloroethane	ND		6.0	0.69	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
1,2-Dichloroethane	ND		6.0	0.74	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
1,1-Dichloroethene	ND		6.0	1.0	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
1,2-Dichloropropane	ND		6.0	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
1,4-Dioxane	ND		1200	330	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Ethylbenzene	ND		6.0	0.77	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
2-Hexanone	ND		6.0	0.83	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Isopropylbenzene	ND		6.0	0.82	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Methyl acetate	ND		6.0	1.1	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Methylcyclohexane	ND		6.0	0.87	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Methylene Chloride	ND		6.0	0.81	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
4-Methyl-2-pentanone (MIBK)	ND		6.0	0.78	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Methyl tert-butyl ether	ND		6.0	0.90	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
m-Xylene & p-Xylene	ND		12	1.8	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
o-Xylene	ND		6.0	0.94	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Styrene	ND		6.0	0.85	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
1,1,2,2-Tetrachloroethane	ND		6.0	0.86	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Tetrachloroethene	ND		6.0	0.82	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Toluene	ND		6.0	0.88	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
trans-1,2-Dichloroethene	ND		6.0	0.72	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
trans-1,3-Dichloropropene	ND		6.0	0.72	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
1,2,3-Trichlorobenzene	ND		6.0	1.0	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
1,2,4-Trichlorobenzene	ND		6.0	1.1	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
1,1,1-Trichloroethane	ND		6.0	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
1,1,2-Trichloroethane	ND		6.0	1.0	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Trichloroethene	ND		6.0	0.79	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Trichlorofluoromethane	ND		6.0	1.1	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0	1.3	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1
Vinyl chloride	ND		6.0	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 10:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1R-.alpha.-Pinene	*91*	*T J N*	*ug/Kg*	☼	*11.69*	*7785-70-8*	*08/18/14 04:22*	*08/18/14 10:09*	*1*
Camphene	*8.4*	*T J N*	*ug/Kg*	☼	*11.97*	*79-92-5*	*08/18/14 04:22*	*08/18/14 10:09*	*1*
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-me	*9.3*	*T J N*	*ug/Kg*	☼	*12.36*	*18172-67-3*	*08/18/14 04:22*	*08/18/14 10:09*	*1*
3-Carene	*45*	*T J N*	*ug/Kg*	☼	*12.70*	*13466-78-9*	*08/18/14 04:22*	*08/18/14 10:09*	*1*
Undecane	*8.2*	*T J N*	*ug/Kg*	☼	*13.48*	*1120-21-4*	*08/18/14 04:22*	*08/18/14 10:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*63 - 120*	*08/18/14 04:22*	*08/18/14 10:09*	*1*

Client Sample Results

Client Sample ID: SSHS-B98-0.17-2 (1)

Lab Sample ID: 180-35776-48

Date Collected: 08/13/14 10:49
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 77.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/18/14 04:22*	*08/18/14 10:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*52 - 124*	*08/18/14 04:22*	*08/18/14 10:09*	*1*
Toluene-d8 (Surr)	*105*		*72 - 127*	*08/18/14 04:22*	*08/18/14 10:09*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		86	8.2	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Acenaphthylene	ND		86	9.8	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Acetophenone	ND		420	35	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Anthracene	**25**	**J**	86	8.4	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Atrazine	ND		420	42	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Benzaldehyde	ND		420	64	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Benzo[a]anthracene	**79**	**J**	86	11	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Benzo[a]pyrene	**74**	**J**	86	8.6	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Benzo[b]fluoranthene	**100**		86	13	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Benzo[g,h,i]perylene	**65**	**J**	86	8.5	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Benzo[k]fluoranthene	**29**	**J**	86	17	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
1,1'-Biphenyl	ND		420	38	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Bis(2-chloroethoxy)methane	ND		420	28	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Bis(2-chloroethyl)ether	ND		86	11	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Bis(2-ethylhexyl) phthalate	ND		860	69	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
4-Bromophenyl phenyl ether	ND		420	37	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Butyl benzyl phthalate	ND		420	58	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Caprolactam	ND		2200	320	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Carbazole	ND		86	7.9	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
4-Chloroaniline	ND		420	34	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
4-Chloro-3-methylphenol	ND		420	39	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
2-Chloronaphthalene	ND		86	8.9	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
2-Chlorophenol	ND		420	35	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
4-Chlorophenyl phenyl ether	ND		420	48	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Chrysene	**100**		86	10	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Dibenz(a,h)anthracene	ND		86	9.5	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Dibenzofuran	ND		420	42	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
3,3'-Dichlorobenzidine	ND		420	45	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
2,4-Dichlorophenol	ND		86	8.6	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Diethyl phthalate	ND		420	47	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
2,4-Dimethylphenol	ND		420	67	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Dimethyl phthalate	ND		420	47	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Di-n-butyl phthalate	ND		420	54	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
4,6-Dinitro-2-methylphenol	ND		2200	170	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
2,4-Dinitrophenol	ND		2200	510	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
2,4-Dinitrotoluene	ND		420	35	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
2,6-Dinitrotoluene	ND		420	44	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Di-n-octyl phthalate	ND		420	45	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
1,4-Dioxane	ND		860	49	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Fluoranthene	**140**		86	9.1	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Fluorene	ND		86	11	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Hexachlorobenzene	ND		86	9.1	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Hexachlorobutadiene	ND		86	9.6	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: SSHS-B98-0.17-2 (1)

Date Collected: 08/13/14 10:49
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-48

Matrix: Solid
Percent Solids: 77.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		420	46	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Hexachloroethane	ND		420	31	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Indeno[1,2,3-cd]pyrene	**53**	**J**	86	8.8	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Isophorone	ND		420	32	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
2-Methylnaphthalene	**17**	**J**	86	7.7	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
2-Methylphenol	ND		420	30	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Methylphenol, 3 & 4	ND		420	42	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Naphthalene	ND		86	7.4	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
2-Nitroaniline	ND		2200	190	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
3-Nitroaniline	ND		2200	180	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
4-Nitroaniline	ND		2200	170	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Nitrobenzene	ND		860	36	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
2-Nitrophenol	ND		420	47	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
4-Nitrophenol	ND		2200	160	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
N-Nitrosodi-n-propylamine	ND		86	10	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
N-Nitrosodiphenylamine	ND		420	40	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
2,2'-oxybis[1-chloropropane]	ND		86	9.2	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Pentachlorophenol	ND		420	38	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Phenanthrene	**87**		86	14	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Phenol	ND		86	10	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
Pyrene	**120**		86	8.6	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
1,2,4,5-Tetrachlorobenzene	ND		420	32	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
2,3,4,6-Tetrachlorophenol	ND		420	27	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
2,4,5-Trichlorophenol	ND		420	46	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1
2,4,6-Trichlorophenol	ND		420	64	ug/Kg	☼	08/25/14 03:00	08/25/14 19:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*700*	*T J*	*ug/Kg*	☼	*5.60*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*450*	*T J*	*ug/Kg*	☼	*6.28*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown Straight Chain Alkane	*200*	*T J*	*ug/Kg*	☼	*9.99*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown Straight Chain Alkane	*250*	*T J*	*ug/Kg*	☼	*10.41*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown Straight Chain Alkane	*440*	*T J*	*ug/Kg*	☼	*10.82*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown Straight Chain Alkane	*610*	*T J*	*ug/Kg*	☼	*11.24*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*11.57*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown Straight Chain Alkane	*1100*	*T J*	*ug/Kg*	☼	*11.69*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*520*	*T J*	*ug/Kg*	☼	*12.17*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown Straight Chain Alkane	*460*	*T J*	*ug/Kg*	☼	*12.70*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*12.87*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*13.03*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*380*	*T J*	*ug/Kg*	☼	*13.18*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*310*	*T J*	*ug/Kg*	☼	*13.26*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown Straight Chain Alkane	*270*	*T J*	*ug/Kg*	☼	*13.88*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*14.52*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*15.20*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*15.35*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*15.84*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*15.91*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*16.22*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*16.64*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*790*	*T J*	*ug/Kg*	☼	*16.68*		*08/25/14 03:00*	*08/25/14 19:14*	*1*

Client Sample ID: SSHS-B98-0.17-2 (1)

Lab Sample ID: 180-35776-48

Date Collected: 08/13/14 10:49
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 77.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*630*	*T J*	*ug/Kg*	☼	*17.71*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*650*	*T J*	*ug/Kg*	☼	*18.11*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*310*	*T J*	*ug/Kg*	☼	*18.19*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*510*	*T J*	*ug/Kg*	☼	*19.27*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*330*	*T J*	*ug/Kg*	☼	*19.55*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*310*	*T J*	*ug/Kg*	☼	*19.69*		*08/25/14 03:00*	*08/25/14 19:14*	*1*
Unknown	*1600*	*T J*	*ug/Kg*	☼	*20.33*		*08/25/14 03:00*	*08/25/14 19:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 105*	*08/25/14 03:00*	*08/25/14 19:14*	*1*
2-Fluorophenol (Surr)	*65*		*39 - 103*	*08/25/14 03:00*	*08/25/14 19:14*	*1*
Nitrobenzene-d5 (Surr)	*66*		*25 - 104*	*08/25/14 03:00*	*08/25/14 19:14*	*1*
Phenol-d5 (Surr)	*62*		*25 - 105*	*08/25/14 03:00*	*08/25/14 19:14*	*1*
Terphenyl-d14 (Surr)	*63*		*25 - 127*	*08/25/14 03:00*	*08/25/14 19:14*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*35 - 124*	*08/25/14 03:00*	*08/25/14 19:14*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.2	0.38	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
alpha-BHC	ND		2.2	0.35	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
alpha-Chlordane	ND		2.2	0.42	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
beta-BHC	ND		2.2	0.55	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
4,4'-DDD	**0.65**	**J p**	2.2	0.28	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
4,4'-DDE	ND		2.2	0.32	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
4,4'-DDT	**10**		2.2	0.32	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
delta-BHC	ND		2.2	0.32	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
Dieldrin	ND		2.2	0.35	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
Endosulfan I	ND		2.2	0.40	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
Endosulfan II	**0.39**	**J p**	2.2	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
Endosulfan sulfate	**0.71**	**J p**	2.2	0.22	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
Endrin	**5.6**	**p**	2.2	0.41	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
Endrin aldehyde	ND		2.2	0.41	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
Endrin ketone	ND		2.2	0.33	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
gamma-BHC (Lindane)	ND		2.2	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
gamma-Chlordane	**6.8**		2.2	0.42	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
Heptachlor	ND		2.2	0.47	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
Heptachlor epoxide	**1.9**	**J p**	2.2	0.41	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
Methoxychlor	**2.8**	**J p**	4.2	0.44	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1
Toxaphene	ND		85	14	ug/Kg	☼	08/22/14 16:50	08/26/14 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*08/22/14 16:50*	*08/26/14 14:13*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/22/14 16:50*	*08/26/14 14:13*	*1*
Tetrachloro-m-xylene	*90*		*45 - 130*	*08/22/14 16:50*	*08/26/14 14:13*	*1*
Tetrachloro-m-xylene	*83*		*45 - 130*	*08/22/14 16:50*	*08/26/14 14:13*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	3.2	ug/Kg	☼	08/22/14 16:50	08/26/14 19:26	1
PCB-1221	ND		21	4.0	ug/Kg	☼	08/22/14 16:50	08/26/14 19:26	1

Client Sample Results

Client Sample ID: SSHS-B98-0.17-2 (1)

Lab Sample ID: 180-35776-48

Date Collected: 08/13/14 10:49
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 77.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		21	3.6	ug/Kg	☼	08/22/14 16:50	08/26/14 19:26	1
PCB-1242	ND		21	3.5	ug/Kg	☼	08/22/14 16:50	08/26/14 19:26	1
PCB-1248	**260**		21	2.0	ug/Kg	☼	08/22/14 16:50	08/26/14 19:26	1
PCB-1254	ND		21	3.0	ug/Kg	☼	08/22/14 16:50	08/26/14 19:26	1
PCB-1260	**76**		21	3.0	ug/Kg	☼	08/22/14 16:50	08/26/14 19:26	1
PCB-1262	ND		21	4.6	ug/Kg	☼	08/22/14 16:50	08/26/14 19:26	1
PCB-1268	ND		21	2.7	ug/Kg	☼	08/22/14 16:50	08/26/14 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/22/14 16:50*	*08/26/14 18:55*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/22/14 16:50*	*08/26/14 19:26*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*	*08/22/14 16:50*	*08/26/14 18:55*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*	*08/22/14 16:50*	*08/26/14 19:26*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6500**		23	2.4	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Antimony	**0.29**	**J**	1.1	0.23	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Arsenic	**10**		1.1	0.35	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Barium	**130**	**B**	23	0.014	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Beryllium	**0.34**	**J**	0.45	0.013	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Cadmium	**0.22**	**J B**	0.57	0.016	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Calcium	**3500**		570	1.7	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Chromium	**12**		0.57	0.087	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Cobalt	**7.8**		5.7	0.047	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Copper	**36**		2.8	0.16	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Iron	**32000**		11	1.0	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Lead	**120**		1.1	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Magnesium	**2100**		570	2.3	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Manganese	**690**		1.7	0.10	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Nickel	**42**		4.5	0.054	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Potassium	**690**	**B**	570	7.2	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Selenium	**0.87**	**J**	1.1	0.30	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Silver	ND		0.57	0.046	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Sodium	**510**	**J B**	570	1.2	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Vanadium	**16**	**B**	5.7	0.20	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1
Zinc	**62**	**B**	2.3	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 09:33	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.037**	**J**	0.041	0.014	mg/Kg	☼	08/25/14 10:11	08/25/14 13:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**22**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**78**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	**13**		0.64	0.19	mg/Kg	☼	08/20/14 14:00	08/20/14 15:34	1

Client Sample Results

Client Sample ID: SSHS-B98-6-10 (7.5)
Lab Sample ID: 180-35776-49
Date Collected: 08/13/14 11:08
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 87.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	5.2	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Benzene	ND		5.2	0.70	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Bromoform	ND		5.2	0.46	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Bromomethane	ND		5.2	0.77	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
2-Butanone (MEK)	ND		5.2	0.92	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Carbon disulfide	ND		5.2	0.53	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Carbon tetrachloride	ND	*	5.2	0.47	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Chlorobenzene	ND		5.2	0.79	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Chlorobromomethane	ND		5.2	0.72	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Chlorodibromomethane	ND		5.2	0.74	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Chloroethane	ND	*	5.2	1.6	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Chloroform	ND		5.2	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Chloromethane	ND		5.2	0.89	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
cis-1,2-Dichloroethene	ND		5.2	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
cis-1,3-Dichloropropene	ND		5.2	0.71	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Cyclohexane	ND		5.2	0.39	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
1,2-Dibromo-3-Chloropropane	ND		5.2	0.78	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
1,2-Dibromoethane	ND		5.2	0.90	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
1,2-Dichlorobenzene	ND		5.2	0.83	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
1,3-Dichlorobenzene	ND		5.2	0.68	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
1,4-Dichlorobenzene	ND		5.2	0.66	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Dichlorobromomethane	ND		5.2	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Dichlorodifluoromethane	ND		5.2	0.69	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
1,1-Dichloroethane	ND		5.2	0.60	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
1,2-Dichloroethane	ND		5.2	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
1,1-Dichloroethene	ND		5.2	0.88	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
1,2-Dichloropropane	ND		5.2	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
1,4-Dioxane	ND		1000	290	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Ethylbenzene	ND		5.2	0.67	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
2-Hexanone	ND		5.2	0.72	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Isopropylbenzene	ND		5.2	0.71	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Methyl acetate	ND		5.2	0.94	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Methylcyclohexane	ND		5.2	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Methylene Chloride	ND		5.2	0.70	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	0.68	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Methyl tert-butyl ether	ND		5.2	0.78	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
o-Xylene	ND		5.2	0.81	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Styrene	ND		5.2	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
1,1,2,2-Tetrachloroethane	ND		5.2	0.75	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Tetrachloroethene	ND		5.2	0.71	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Toluene	ND		5.2	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
trans-1,2-Dichloroethene	ND		5.2	0.62	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
trans-1,3-Dichloropropene	ND		5.2	0.62	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
1,2,3-Trichlorobenzene	ND		5.2	0.88	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
1,2,4-Trichlorobenzene	ND		5.2	0.92	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
1,1,1-Trichloroethane	ND		5.2	0.51	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
1,1,2-Trichloroethane	ND		5.2	0.87	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Trichloroethene	ND		5.2	0.69	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1

Client Sample Results

Client Sample ID: SSHS-B98-6-10 (7.5)
Lab Sample ID: 180-35776-49
Date Collected: 08/13/14 11:08
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		5.2	0.96	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.2	1.1	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1
Vinyl chloride	ND		5.2	0.49	ug/Kg	☼	08/17/14 10:00	08/17/14 18:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/17/14 10:00*	*08/17/14 18:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/17/14 10:00*	*08/17/14 18:47*	*1*
Dibromofluoromethane (Surr)	*109*		*68 - 121*	*08/17/14 10:00*	*08/17/14 18:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*52 - 124*	*08/17/14 10:00*	*08/17/14 18:47*	*1*
Toluene-d8 (Surr)	*111*		*72 - 127*	*08/17/14 10:00*	*08/17/14 18:47*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	7.3	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Acenaphthylene	ND		76	8.7	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Acetophenone	ND		380	31	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Anthracene	**12**	**J**	76	7.4	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Atrazine	ND		380	37	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Benzaldehyde	ND		380	57	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Benzo[a]anthracene	**59**	**J**	76	9.5	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Benzo[a]pyrene	**57**	**J**	76	7.6	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Benzo[b]fluoranthene	**68**	**J**	76	12	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Benzo[g,h,i]perylene	**50**	**J**	76	7.6	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Benzo[k]fluoranthene	**23**	**J**	76	15	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
1,1'-Biphenyl	ND		380	34	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Bis(2-chloroethoxy)methane	ND		380	25	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Bis(2-chloroethyl)ether	ND		76	10	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Bis(2-ethylhexyl) phthalate	ND		760	61	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
4-Bromophenyl phenyl ether	ND		380	33	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Butyl benzyl phthalate	ND		380	52	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Caprolactam	ND		1900	290	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Carbazole	ND		76	7.0	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
4-Chloroaniline	ND		380	30	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
4-Chloro-3-methylphenol	ND		380	35	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
2-Chloronaphthalene	ND		76	7.9	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
2-Chlorophenol	ND		380	31	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
4-Chlorophenyl phenyl ether	ND		380	42	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Chrysene	**53**	**J**	76	9.0	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Dibenz(a,h)anthracene	ND		76	8.5	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Dibenzofuran	ND		380	37	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
3,3'-Dichlorobenzidine	ND		380	40	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
2,4-Dichlorophenol	ND		76	7.6	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Diethyl phthalate	ND		380	42	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
2,4-Dimethylphenol	ND		380	59	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Dimethyl phthalate	ND		380	41	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Di-n-butyl phthalate	ND		380	48	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1

Client Sample ID: SSHS-B98-6-10 (7.5) **Lab Sample ID: 180-35776-49**
Date Collected: 08/13/14 11:08 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 87.8**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
2,6-Dinitrotoluene	ND		380	39	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Di-n-octyl phthalate	ND		380	40	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
1,4-Dioxane	ND		760	44	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Fluoranthene	**110**		76	8.1	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Fluorene	ND		76	10	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Hexachlorobenzene	ND		76	8.1	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Hexachlorobutadiene	ND		76	8.5	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Hexachlorocyclopentadiene	ND		380	41	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Hexachloroethane	ND		380	27	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Indeno[1,2,3-cd]pyrene	**40**	**J**	76	7.8	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Isophorone	ND		380	29	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
2-Methylnaphthalene	ND		76	6.8	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Methylphenol, 3 & 4	ND		380	37	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Naphthalene	ND		76	6.6	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
3-Nitroaniline	ND		1900	160	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Nitrobenzene	ND		760	32	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
2-Nitrophenol	ND		380	42	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
N-Nitrosodi-n-propylamine	ND		76	8.9	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
N-Nitrosodiphenylamine	ND		380	35	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
2,2'-oxybis[1-chloropropane]	ND		76	8.2	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Pentachlorophenol	ND		380	34	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Phenanthrene	**37**	**J**	76	12	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Phenol	ND		76	9.0	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
Pyrene	**88**		76	7.7	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
2,3,4,6-Tetrachlorophenol	ND		380	24	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
2,4,5-Trichlorophenol	ND		380	41	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1
2,4,6-Trichlorophenol	ND		380	57	ug/Kg	☼	08/25/14 03:00	08/25/14 19:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*210*	*T J*	*ug/Kg*	☼	*13.10*		*08/25/14 03:00*	*08/25/14 19:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 105*	*08/25/14 03:00*	*08/25/14 19:42*	*1*
2-Fluorophenol (Surr)	*67*		*39 - 103*	*08/25/14 03:00*	*08/25/14 19:42*	*1*
Nitrobenzene-d5 (Surr)	*69*		*25 - 104*	*08/25/14 03:00*	*08/25/14 19:42*	*1*
Phenol-d5 (Surr)	*65*		*25 - 105*	*08/25/14 03:00*	*08/25/14 19:42*	*1*
Terphenyl-d14 (Surr)	*67*		*25 - 127*	*08/25/14 03:00*	*08/25/14 19:42*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*35 - 124*	*08/25/14 03:00*	*08/25/14 19:42*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
alpha-BHC	ND		1.9	0.31	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1

Client Sample ID: SSHS-B98-6-10 (7.5)
Lab Sample ID: 180-35776-49
Date Collected: 08/13/14 11:08
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 87.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.9	0.49	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
4,4'-DDD	ND		1.9	0.25	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
Endosulfan sulfate	ND		1.9	0.20	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
Endrin	ND		1.9	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
Endrin aldehyde	ND		1.9	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
gamma-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
Heptachlor epoxide	ND		1.9	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1
Toxaphene	ND		76	13	ug/Kg	☼	08/22/14 16:50	08/26/14 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 130*	*08/22/14 16:50*	*08/26/14 14:28*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*	*08/22/14 16:50*	*08/26/14 14:28*	*1*
Tetrachloro-m-xylene	*99*		*45 - 130*	*08/22/14 16:50*	*08/26/14 14:28*	*1*
Tetrachloro-m-xylene	*96*		*45 - 130*	*08/22/14 16:50*	*08/26/14 14:28*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/22/14 16:50	08/26/14 19:26	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/22/14 16:50	08/26/14 19:26	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/22/14 16:50	08/26/14 19:26	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/22/14 16:50	08/26/14 19:26	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/22/14 16:50	08/26/14 19:26	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/22/14 16:50	08/26/14 19:26	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/22/14 16:50	08/26/14 19:26	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/22/14 16:50	08/26/14 19:26	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/22/14 16:50	08/26/14 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 125*	*08/22/14 16:50*	*08/26/14 19:26*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 125*	*08/22/14 16:50*	*08/26/14 19:58*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*	*08/22/14 16:50*	*08/26/14 19:26*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*	*08/22/14 16:50*	*08/26/14 19:58*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8300**		22	2.3	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Arsenic	**8.0**		1.1	0.34	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Barium	**63**	**B**	22	0.014	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Beryllium	**0.38**	**J**	0.44	0.012	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B98-6-10 (7.5) Lab Sample ID: 180-35776-49

Date Collected: 08/13/14 11:08 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 87.8**

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.13**	**J B**	0.55	0.016	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Calcium	**10000**		550	1.6	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Chromium	**11**		0.55	0.085	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Cobalt	**6.9**		5.5	0.046	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Copper	**30**		2.7	0.16	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Iron	**19000**		11	0.97	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Lead	**16**		1.1	0.11	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Magnesium	**3900**		550	2.3	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Manganese	**420**		1.6	0.097	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Nickel	**390**		4.4	0.052	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Potassium	**610**	**B**	550	7.0	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Selenium	**0.46**	**J**	1.1	0.29	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Silver	ND		0.55	0.044	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Sodium	**130**	**J B**	550	1.2	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Vanadium	**14**	**B**	5.5	0.19	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1
Zinc	**79**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 14:02	08/27/14 09:38	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**	**J**	0.036	0.012	mg/Kg	☼	08/25/14 10:11	08/25/14 13:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**88**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	**0.55**	**J**	0.58	0.17	mg/Kg	☼	08/20/14 14:00	08/20/14 15:34	1

Client Sample ID: SSHS-B98-2-6 (3.5) Lab Sample ID: 180-35776-50

Date Collected: 08/13/14 10:56 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 90.9**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.5	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Benzene	ND		4.5	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Bromoform	ND		4.5	0.40	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Bromomethane	ND		4.5	0.67	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
2-Butanone (MEK)	ND		4.5	0.80	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Carbon disulfide	ND		4.5	0.46	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Carbon tetrachloride	ND	*	4.5	0.40	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Chlorobenzene	ND		4.5	0.68	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Chlorobromomethane	ND		4.5	0.62	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Chlorodibromomethane	ND		4.5	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Chloroethane	ND	*	4.5	1.4	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Chloroform	ND		4.5	0.53	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Chloromethane	ND		4.5	0.77	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
cis-1,2-Dichloroethene	ND		4.5	0.63	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
cis-1,3-Dichloropropene	ND		4.5	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Cyclohexane	ND		4.5	0.34	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1

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

Client Sample ID: SSHS-B98-2-6 (3.5)
Date Collected: 08/13/14 10:56
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-50
Matrix: Solid
Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.5	0.68	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
1,2-Dibromoethane	ND		4.5	0.78	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
1,2-Dichlorobenzene	ND		4.5	0.72	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
1,3-Dichlorobenzene	ND		4.5	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
1,4-Dichlorobenzene	ND		4.5	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Dichlorobromomethane	ND		4.5	0.51	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Dichlorodifluoromethane	ND		4.5	0.60	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
1,1-Dichloroethane	ND		4.5	0.52	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
1,2-Dichloroethane	ND		4.5	0.55	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
1,1-Dichloroethene	ND		4.5	0.77	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
1,2-Dichloropropane	ND		4.5	0.49	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
1,4-Dioxane	ND		900	250	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Ethylbenzene	ND		4.5	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
2-Hexanone	ND		4.5	0.62	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Isopropylbenzene	ND		4.5	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Methyl acetate	ND		4.5	0.81	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Methylcyclohexane	ND		4.5	0.65	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Methylene Chloride	ND		4.5	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
4-Methyl-2-pentanone (MIBK)	ND		4.5	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Methyl tert-butyl ether	ND		4.5	0.67	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
m-Xylene & p-Xylene	ND		9.0	1.3	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
o-Xylene	ND		4.5	0.70	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Styrene	ND		4.5	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
1,1,2,2-Tetrachloroethane	ND		4.5	0.65	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Tetrachloroethene	ND		4.5	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Toluene	ND		4.5	0.66	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
trans-1,2-Dichloroethene	ND		4.5	0.54	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
1,2,3-Trichlorobenzene	ND		4.5	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
1,2,4-Trichlorobenzene	ND		4.5	0.80	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
1,1,1-Trichloroethane	ND		4.5	0.44	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
1,1,2-Trichloroethane	ND		4.5	0.75	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Trichloroethene	ND		4.5	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Trichlorofluoromethane	ND		4.5	0.83	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.5	0.96	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1
Vinyl chloride	ND		4.5	0.42	ug/Kg	☼	08/17/14 10:00	08/17/14 19:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/17/14 10:00*	*08/17/14 19:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*63 - 120*	*08/17/14 10:00*	*08/17/14 19:13*	*1*
Dibromofluoromethane (Surr)	*96*		*68 - 121*	*08/17/14 10:00*	*08/17/14 19:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*52 - 124*	*08/17/14 10:00*	*08/17/14 19:13*	*1*
Toluene-d8 (Surr)	*100*		*72 - 127*	*08/17/14 10:00*	*08/17/14 19:13*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Acenaphthylene	**110**		73	8.3	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1

Client Sample Results

Client Sample ID: SSHS-B98-2-6 (3.5)

Lab Sample ID: 180-35776-50

Date Collected: 08/13/14 10:56
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		360	30	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Anthracene	**270**		73	7.1	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Atrazine	ND		360	35	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Benzo[a]anthracene	**1000**		73	9.1	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Benzo[a]pyrene	**870**		73	7.3	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Benzo[b]fluoranthene	**1000**		73	11	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Benzo[g,h,i]perylene	**670**		73	7.2	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Benzo[k]fluoranthene	**370**		73	15	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Bis(2-chloroethyl)ether	ND		73	9.8	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Carbazole	**160**		73	6.7	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Chrysene	**940**		73	8.7	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Dibenz(a,h)anthracene	**170**		73	8.1	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
2,4-Dinitrophenol	ND		1900	430	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Fluoranthene	**2100**		73	7.8	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Fluorene	ND		73	9.6	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Hexachlorobenzene	ND		73	7.8	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Hexachlorobutadiene	ND		73	8.2	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Indeno[1,2,3-cd]pyrene	**580**		73	7.5	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Isophorone	ND		360	27	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
2-Methylnaphthalene	**7.0**	**J**	73	6.6	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Naphthalene	**35**	**J**	73	6.3	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1

Client Sample ID: SSHS-B98-2-6 (3.5)
Lab Sample ID: 180-35776-50
Date Collected: 08/13/14 10:56
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
N-Nitrosodi-n-propylamine	ND		73	8.5	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
2,2'-oxybis[1-chloropropane]	ND		73	7.9	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Phenanthrene	**800**		73	12	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Phenol	ND		73	8.6	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
Pyrene	**1800**		73	7.4	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/25/14 03:00	08/25/14 20:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*380*	*T J*	*ug/Kg*	☼	*11.22*		*08/25/14 03:00*	*08/25/14 20:09*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*12.04*		*08/25/14 03:00*	*08/25/14 20:09*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*12.69*		*08/25/14 03:00*	*08/25/14 20:09*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*13.88*		*08/25/14 03:00*	*08/25/14 20:09*	*1*
Unknown	*650*	*T J*	*ug/Kg*	☼	*16.93*		*08/25/14 03:00*	*08/25/14 20:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*08/25/14 03:00*	*08/25/14 20:09*	*1*
2-Fluorophenol (Surr)	*60*		*39 - 103*	*08/25/14 03:00*	*08/25/14 20:09*	*1*
Nitrobenzene-d5 (Surr)	*63*		*25 - 104*	*08/25/14 03:00*	*08/25/14 20:09*	*1*
Phenol-d5 (Surr)	*59*		*25 - 105*	*08/25/14 03:00*	*08/25/14 20:09*	*1*
Terphenyl-d14 (Surr)	*71*		*25 - 127*	*08/25/14 03:00*	*08/25/14 20:09*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*35 - 124*	*08/25/14 03:00*	*08/25/14 20:09*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
4,4'-DDD	**0.47**	**J**	1.9	0.24	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
4,4'-DDT	ND		1.9	0.27	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
Endosulfan I	ND		1.9	0.34	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1

Client Sample Results

Client Sample ID: SSHS-B98-2-6 (3.5)

Lab Sample ID: 180-35776-50
Date Collected: 08/13/14 10:56
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	**0.60**	**J**	1.9	0.32	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1
Toxaphene	ND		74	12	ug/Kg	☼	08/22/14 16:50	08/26/14 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*08/22/14 16:50*	*08/26/14 14:44*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/22/14 16:50*	*08/26/14 14:44*	*1*
Tetrachloro-m-xylene	*93*		*45 - 130*	*08/22/14 16:50*	*08/26/14 14:44*	*1*
Tetrachloro-m-xylene	*84*		*45 - 130*	*08/22/14 16:50*	*08/26/14 14:44*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/22/14 16:50	08/26/14 19:58	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/22/14 16:50	08/26/14 19:58	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/22/14 16:50	08/26/14 19:58	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/22/14 16:50	08/26/14 19:58	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/22/14 16:50	08/26/14 19:58	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/22/14 16:50	08/26/14 19:58	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/22/14 16:50	08/26/14 19:58	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/22/14 16:50	08/26/14 19:58	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/22/14 16:50	08/26/14 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/22/14 16:50*	*08/26/14 19:58*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/22/14 16:50*	*08/26/14 20:29*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*	*08/22/14 16:50*	*08/26/14 19:58*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*45 - 135*	*08/22/14 16:50*	*08/26/14 20:29*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8500**		20	2.1	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Antimony	ND		1.0	0.20	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Arsenic	**9.2**		1.0	0.31	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Barium	**52**	**B**	20	0.013	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Beryllium	**0.43**		0.41	0.011	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Cadmium	**0.073**	**J B**	0.51	0.015	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Calcium	**900**		510	1.5	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Chromium	**21**		0.51	0.079	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Cobalt	**7.7**		5.1	0.043	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Copper	**89**		2.5	0.15	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Iron	**19000**		10	0.90	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Lead	**19**		1.0	0.10	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Magnesium	**2200**		510	2.1	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Manganese	**390**		1.5	0.091	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Nickel	**69**		4.1	0.048	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Potassium	**550**	**B**	510	6.5	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Selenium	**0.49**	**J**	1.0	0.27	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1

Client Sample ID: SSHS-B98-2-6 (3.5)

Date Collected: 08/13/14 10:56
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-50
Matrix: Solid
Percent Solids: 90.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.51	0.041	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Sodium	**130**	**J B**	510	1.1	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Vanadium	**13**	**B**	5.1	0.18	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1
Zinc	**67**	**B**	2.0	0.10	mg/Kg	☼	08/20/14 14:02	08/27/14 09:43	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.025**	**J**	0.035	0.012	mg/Kg	☼	08/25/14 10:11	08/25/14 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.1**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**91**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	**0.17**	**J**	0.55	0.16	mg/Kg	☼	08/20/14 14:00	08/20/14 15:34	1

Client Sample ID: SSHS-B98-10-12 (12)

Date Collected: 08/13/14 11:20
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-51
Matrix: Solid
Percent Solids: 77.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.1	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Benzene	ND		5.1	0.69	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Bromoform	ND		5.1	0.45	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Bromomethane	ND		5.1	0.75	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
2-Butanone (MEK)	ND		5.1	0.90	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Carbon disulfide	ND		5.1	0.52	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Carbon tetrachloride	ND	*	5.1	0.46	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Chlorobenzene	ND		5.1	0.77	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Chlorobromomethane	ND		5.1	0.70	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Chlorodibromomethane	ND		5.1	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Chloroethane	ND	*	5.1	1.6	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Chloroform	ND		5.1	0.60	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Chloromethane	ND		5.1	0.87	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
cis-1,2-Dichloroethene	ND		5.1	0.72	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
cis-1,3-Dichloropropene	ND		5.1	0.69	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Cyclohexane	ND		5.1	0.38	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
1,2-Dibromo-3-Chloropropane	ND		5.1	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
1,2-Dibromoethane	ND		5.1	0.88	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
1,2-Dichlorobenzene	ND		5.1	0.81	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
1,3-Dichlorobenzene	ND		5.1	0.67	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
1,4-Dichlorobenzene	ND		5.1	0.65	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Dichlorobromomethane	ND		5.1	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Dichlorodifluoromethane	ND		5.1	0.68	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
1,1-Dichloroethane	ND		5.1	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
1,2-Dichloroethane	ND		5.1	0.63	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
1,1-Dichloroethene	ND		5.1	0.87	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
1,2-Dichloropropane	ND		5.1	0.55	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
1,4-Dioxane	ND		1000	280	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1

Client Sample Results

Client Sample ID: SSHS-B98-10-12 (12)

Lab Sample ID: 180-35776-51

Date Collected: 08/13/14 11:20
Date Received: 08/14/14 13:08
Matrix: Solid
Percent Solids: 77.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		5.1	0.66	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
2-Hexanone	ND		5.1	0.71	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Isopropylbenzene	ND		5.1	0.69	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Methyl acetate	ND		5.1	0.92	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Methylcyclohexane	ND		5.1	0.74	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Methylene Chloride	ND		5.1	0.69	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	0.67	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Methyl tert-butyl ether	ND		5.1	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
o-Xylene	ND		5.1	0.80	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Styrene	ND		5.1	0.72	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
1,1,2,2-Tetrachloroethane	ND		5.1	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Tetrachloroethene	ND		5.1	0.70	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Toluene	ND		5.1	0.75	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
trans-1,2-Dichloroethene	ND		5.1	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
trans-1,3-Dichloropropene	ND		5.1	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
1,2,3-Trichlorobenzene	ND		5.1	0.86	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
1,2,4-Trichlorobenzene	ND		5.1	0.90	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
1,1,1-Trichloroethane	ND		5.1	0.50	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
1,1,2-Trichloroethane	ND		5.1	0.85	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Trichloroethene	ND		5.1	0.67	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Trichlorofluoromethane	ND		5.1	0.94	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.1	1.1	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1
Vinyl chloride	ND		5.1	0.48	ug/Kg	☼	08/17/14 10:00	08/17/14 20:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
.alpha.-Pinene	*15*	*T J N*	*ug/Kg*	☼	*11.70*	*80-56-8*	*08/17/14 10:00*	*08/17/14 20:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*63 - 120*	*08/17/14 10:00*	*08/17/14 20:05*	*1*
Dibromofluoromethane (Surr)	*99*		*68 - 121*	*08/17/14 10:00*	*08/17/14 20:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*52 - 124*	*08/17/14 10:00*	*08/17/14 20:05*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*08/17/14 10:00*	*08/17/14 20:05*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		87	8.3	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Acenaphthylene	ND		87	9.9	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Acetophenone	ND		430	35	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Anthracene	ND		87	8.4	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Atrazine	ND		430	42	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Benzaldehyde	ND		430	65	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Benzo[a]anthracene	**37**	**J**	87	11	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Benzo[a]pyrene	**80**	**J**	87	8.6	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Benzo[b]fluoranthene	**73**	**J**	87	14	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Benzo[g,h,i]perylene	**78**	**J**	87	8.6	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Benzo[k]fluoranthene	**42**	**J**	87	17	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
1,1'-Biphenyl	ND		430	38	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Bis(2-chloroethoxy)methane	ND		430	28	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Bis(2-chloroethyl)ether	ND		87	12	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1

Client Sample Results

Client Sample ID: SSHS-B98-10-12 (12)

Date Collected: 08/13/14 11:20
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-51

Matrix: Solid
Percent Solids: 77.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		870	70	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
4-Bromophenyl phenyl ether	ND		430	38	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Butyl benzyl phthalate	ND		430	59	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Caprolactam	ND		2200	330	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Carbazole	ND		87	7.9	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
4-Chloroaniline	ND		430	35	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
4-Chloro-3-methylphenol	ND		430	40	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
2-Chloronaphthalene	ND		87	9.0	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
2-Chlorophenol	ND		430	35	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
4-Chlorophenyl phenyl ether	ND		430	48	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Chrysene	**56**	**J**	87	10	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Dibenz(a,h)anthracene	ND		87	9.6	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Dibenzofuran	ND		430	42	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
3,3'-Dichlorobenzidine	ND		430	46	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
2,4-Dichlorophenol	ND		87	8.7	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Diethyl phthalate	ND		430	47	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
2,4-Dimethylphenol	ND		430	67	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Dimethyl phthalate	ND		430	47	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Di-n-butyl phthalate	ND		430	54	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
4,6-Dinitro-2-methylphenol	ND		2200	170	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
2,4-Dinitrophenol	ND		2200	510	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
2,4-Dinitrotoluene	ND		430	35	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
2,6-Dinitrotoluene	ND		430	44	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Di-n-octyl phthalate	ND		430	45	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
1,4-Dioxane	ND		870	49	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Fluoranthene	**66**	**J**	87	9.2	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Fluorene	ND		87	11	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Hexachlorobenzene	ND		87	9.2	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Hexachlorobutadiene	ND		87	9.6	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Hexachlorocyclopentadiene	ND		430	46	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Hexachloroethane	ND		430	31	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Indeno[1,2,3-cd]pyrene	**64**	**J**	87	8.9	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Isophorone	ND		430	33	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
2-Methylnaphthalene	ND		87	7.8	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
2-Methylphenol	ND		430	30	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Methylphenol, 3 & 4	ND		430	42	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Naphthalene	ND		87	7.4	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
2-Nitroaniline	ND		2200	190	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
3-Nitroaniline	ND		2200	180	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
4-Nitroaniline	ND		2200	170	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Nitrobenzene	ND		870	36	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
2-Nitrophenol	ND		430	48	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
4-Nitrophenol	ND		2200	160	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
N-Nitrosodi-n-propylamine	ND		87	10	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
N-Nitrosodiphenylamine	ND		430	40	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
2,2'-oxybis[1-chloropropane]	ND		87	9.3	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Pentachlorophenol	ND		430	39	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Phenanthrene	ND		87	14	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
Phenol	ND		87	10	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B98-10-12 (12) Lab Sample ID: 180-35776-51

Date Collected: 08/13/14 11:20 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 77.4**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	**63**	**J**	87	8.7	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
1,2,4,5-Tetrachlorobenzene	ND		430	33	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
2,3,4,6-Tetrachlorophenol	ND		430	28	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
2,4,5-Trichlorophenol	ND		430	46	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1
2,4,6-Trichlorophenol	ND		430	65	ug/Kg	☼	08/25/14 03:00	08/25/14 20:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/25/14 03:00*	*08/25/14 20:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*08/25/14 03:00*	*08/25/14 20:37*	*1*
2-Fluorophenol (Surr)	*68*		*39 - 103*	*08/25/14 03:00*	*08/25/14 20:37*	*1*
Nitrobenzene-d5 (Surr)	*70*		*25 - 104*	*08/25/14 03:00*	*08/25/14 20:37*	*1*
Phenol-d5 (Surr)	*67*		*25 - 105*	*08/25/14 03:00*	*08/25/14 20:37*	*1*
Terphenyl-d14 (Surr)	*70*		*25 - 127*	*08/25/14 03:00*	*08/25/14 20:37*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*35 - 124*	*08/25/14 03:00*	*08/25/14 20:37*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.2	0.38	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
alpha-BHC	ND		2.2	0.35	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
alpha-Chlordane	ND		2.2	0.42	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
beta-BHC	ND		2.2	0.55	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
4,4'-DDD	ND		2.2	0.28	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
4,4'-DDE	ND		2.2	0.32	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
4,4'-DDT	ND		2.2	0.32	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
delta-BHC	ND		2.2	0.33	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
Dieldrin	ND		2.2	0.35	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
Endosulfan I	ND		2.2	0.40	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
Endosulfan II	ND		2.2	0.38	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
Endosulfan sulfate	ND		2.2	0.22	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
Endrin	ND		2.2	0.41	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
Endrin aldehyde	ND		2.2	0.41	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
Endrin ketone	ND		2.2	0.33	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
gamma-BHC (Lindane)	ND		2.2	0.37	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
gamma-Chlordane	ND		2.2	0.42	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
Heptachlor	ND		2.2	0.47	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
Heptachlor epoxide	ND		2.2	0.41	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
Methoxychlor	ND		4.2	0.44	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1
Toxaphene	ND		85	14	ug/Kg	☼	08/22/14 16:50	08/26/14 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*97*		*45 - 130*	*08/22/14 16:50*	*08/26/14 14:59*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 130*	*08/22/14 16:50*	*08/26/14 14:59*	*1*
Tetrachloro-m-xylene	*103*		*45 - 130*	*08/22/14 16:50*	*08/26/14 14:59*	*1*
Tetrachloro-m-xylene	*98*		*45 - 130*	*08/22/14 16:50*	*08/26/14 14:59*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	3.2	ug/Kg	☼	08/22/14 16:50	08/26/14 20:29	1
PCB-1221	ND		21	4.1	ug/Kg	☼	08/22/14 16:50	08/26/14 20:29	1

Client Sample ID: SSHS-B98-10-12 (12) Lab Sample ID: 180-35776-51

Date Collected: 08/13/14 11:20 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 77.4**

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		21	3.6	ug/Kg	☼	08/22/14 16:50	08/26/14 20:29	1
PCB-1242	ND		21	3.5	ug/Kg	☼	08/22/14 16:50	08/26/14 20:29	1
PCB-1248	ND		21	2.0	ug/Kg	☼	08/22/14 16:50	08/26/14 20:29	1
PCB-1254	ND		21	3.0	ug/Kg	☼	08/22/14 16:50	08/26/14 20:29	1
PCB-1260	ND		21	3.0	ug/Kg	☼	08/22/14 16:50	08/26/14 20:29	1
PCB-1262	ND		21	4.7	ug/Kg	☼	08/22/14 16:50	08/26/14 20:29	1
PCB-1268	ND		21	2.7	ug/Kg	☼	08/22/14 16:50	08/26/14 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*	*08/22/14 16:50*	*08/26/14 20:29*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/22/14 16:50*	*08/26/14 21:01*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*45 - 135*	*08/22/14 16:50*	*08/26/14 20:29*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*45 - 135*	*08/22/14 16:50*	*08/26/14 21:01*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		24	2.5	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Antimony	ND		1.2	0.24	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Arsenic	**6.3**		1.2	0.37	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Barium	**130**	**B**	24	0.015	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Beryllium	**0.51**		0.48	0.013	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Cadmium	**0.089**	**J B**	0.60	0.017	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Calcium	**3000**		600	1.8	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Chromium	**13**		0.60	0.092	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Cobalt	**7.4**		6.0	0.050	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Copper	**23**		3.0	0.17	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Iron	**20000**		12	1.1	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Lead	**13**		1.2	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Magnesium	**2700**		600	2.5	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Manganese	**280**		1.8	0.11	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Nickel	**36**		4.8	0.057	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Potassium	**780**	**B**	600	7.6	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Selenium	**0.50**	**J**	1.2	0.32	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Silver	ND		0.60	0.048	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Sodium	**150**	**J B**	600	1.3	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Thallium	ND		2.4	0.18	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Vanadium	**15**	**B**	6.0	0.21	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1
Zinc	**55**	**B**	2.4	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 09:48	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.025**	**J**	0.041	0.014	mg/Kg	☼	08/25/14 10:11	08/25/14 14:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**23**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**77**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	**0.29**	**J**	0.66	0.19	mg/Kg	☼	08/20/14 14:00	08/20/14 15:37	1

Client Sample ID: SSHS-B97-SS **Lab Sample ID: 180-35776-52**
Date Collected: 08/13/14 08:50 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 74.4**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	6.0	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Benzene	ND		6.0	0.81	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Bromoform	ND		6.0	0.53	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Bromomethane	ND		6.0	0.88	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
2-Butanone (MEK)	ND		6.0	1.1	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Carbon disulfide	ND		6.0	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Carbon tetrachloride	ND	*	6.0	0.53	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Chlorobenzene	ND		6.0	0.91	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Chlorobromomethane	ND		6.0	0.82	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Chlorodibromomethane	ND		6.0	0.85	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Chloroethane	ND	*	6.0	1.9	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Chloroform	ND		6.0	0.70	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Chloromethane	ND		6.0	1.0	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
cis-1,2-Dichloroethene	ND		6.0	0.84	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
cis-1,3-Dichloropropene	ND		6.0	0.81	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Cyclohexane	ND		6.0	0.44	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
1,2-Dibromo-3-Chloropropane	ND		6.0	0.90	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
1,2-Dibromoethane	ND		6.0	1.0	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
1,2-Dichlorobenzene	ND		6.0	0.95	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
1,3-Dichlorobenzene	ND		6.0	0.78	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
1,4-Dichlorobenzene	ND		6.0	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Dichlorobromomethane	ND		6.0	0.67	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Dichlorodifluoromethane	ND		6.0	0.80	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
1,1-Dichloroethane	ND		6.0	0.69	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
1,2-Dichloroethane	ND		6.0	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
1,1-Dichloroethene	ND		6.0	1.0	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
1,2-Dichloropropane	ND		6.0	0.65	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
1,4-Dioxane	ND		1200	330	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Ethylbenzene	ND		6.0	0.77	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
2-Hexanone	ND		6.0	0.83	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Isopropylbenzene	ND		6.0	0.81	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Methyl acetate	ND		6.0	1.1	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Methylcyclohexane	ND		6.0	0.87	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Methylene Chloride	ND		6.0	0.80	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
4-Methyl-2-pentanone (MIBK)	ND		6.0	0.78	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Methyl tert-butyl ether	ND		6.0	0.89	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
m-Xylene & p-Xylene	ND		12	1.8	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
o-Xylene	ND		6.0	0.93	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Styrene	ND		6.0	0.84	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
1,1,2,2-Tetrachloroethane	ND		6.0	0.86	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Tetrachloroethene	ND		6.0	0.81	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Toluene	ND		6.0	0.87	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
trans-1,2-Dichloroethene	ND		6.0	0.71	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
trans-1,3-Dichloropropene	ND		6.0	0.71	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
1,2,3-Trichlorobenzene	ND		6.0	1.0	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
1,2,4-Trichlorobenzene	ND		6.0	1.1	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
1,1,1-Trichloroethane	ND		6.0	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
1,1,2-Trichloroethane	ND		6.0	0.99	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Trichloroethene	ND		6.0	0.79	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1

Client Sample ID: SSHS-B97-SS

Lab Sample ID: 180-35776-52

Date Collected: 08/13/14 08:50
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 74.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		6.0	1.1	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	6.0	1.3	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1
Vinyl chloride	ND		6.0	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 20:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/17/14 10:00*	*08/17/14 20:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*63 - 120*	*08/17/14 10:00*	*08/17/14 20:31*	*1*
Dibromofluoromethane (Surr)	*98*		*68 - 121*	*08/17/14 10:00*	*08/17/14 20:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*52 - 124*	*08/17/14 10:00*	*08/17/14 20:31*	*1*
Toluene-d8 (Surr)	*98*		*72 - 127*	*08/17/14 10:00*	*08/17/14 20:31*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		90	8.6	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Acenaphthylene	ND		90	10	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Acetophenone	ND		440	37	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Anthracene	ND		90	8.8	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Atrazine	ND		440	44	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Benzaldehyde	ND		440	67	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Benzo[a]anthracene	**25**	**J**	90	11	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Benzo[a]pyrene	**29**	**J**	90	9.0	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Benzo[b]fluoranthene	**40**	**J**	90	14	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Benzo[g,h,i]perylene	**29**	**J**	90	8.9	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Benzo[k]fluoranthene	**18**	**J**	90	18	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
1,1'-Biphenyl	ND		440	40	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Bis(2-chloroethoxy)methane	ND		440	30	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Bis(2-chloroethyl)ether	ND		90	12	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Bis(2-ethylhexyl) phthalate	ND		900	72	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
4-Bromophenyl phenyl ether	ND		440	39	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Butyl benzyl phthalate	ND		440	61	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Caprolactam	ND		2300	340	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Carbazole	ND		90	8.3	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
4-Chloroaniline	ND		440	36	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
4-Chloro-3-methylphenol	ND		440	41	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
2-Chloronaphthalene	ND		90	9.4	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
2-Chlorophenol	ND		440	37	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
4-Chlorophenyl phenyl ether	ND		440	50	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Chrysene	**34**	**J**	90	11	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Dibenz(a,h)anthracene	ND		90	10	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Dibenzofuran	ND		440	44	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
3,3'-Dichlorobenzidine	ND		440	47	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
2,4-Dichlorophenol	ND		90	9.0	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Diethyl phthalate	ND		440	49	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
2,4-Dimethylphenol	ND		440	70	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Dimethyl phthalate	ND		440	49	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Di-n-butyl phthalate	ND		440	56	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
4,6-Dinitro-2-methylphenol	ND		2300	180	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
2,4-Dinitrophenol	ND		2300	530	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1

Client Sample ID: SSHS-B97-SS **Lab Sample ID: 180-35776-52**
Date Collected: 08/13/14 08:50 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 74.4**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		440	36	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
2,6-Dinitrotoluene	ND		440	46	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Di-n-octyl phthalate	ND		440	47	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
1,4-Dioxane	ND		900	51	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Fluoranthene	**57**	**J**	90	9.6	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Fluorene	ND		90	12	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Hexachlorobenzene	ND		90	9.6	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Hexachlorobutadiene	ND		90	10	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Hexachlorocyclopentadiene	ND		440	48	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Hexachloroethane	ND		440	32	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Indeno[1,2,3-cd]pyrene	**25**	**J**	90	9.2	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Isophorone	ND		440	34	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
2-Methylnaphthalene	ND		90	8.1	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
2-Methylphenol	ND		440	31	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Methylphenol, 3 & 4	ND		440	44	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Naphthalene	ND		90	7.7	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
2-Nitroaniline	ND		2300	200	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
3-Nitroaniline	ND		2300	180	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
4-Nitroaniline	ND		2300	180	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Nitrobenzene	ND		900	37	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
2-Nitrophenol	ND		440	49	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
4-Nitrophenol	ND		2300	160	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
N-Nitrosodi-n-propylamine	ND		90	11	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
N-Nitrosodiphenylamine	ND		440	41	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
2,2'-oxybis[1-chloropropane]	ND		90	9.7	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Pentachlorophenol	ND		440	40	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Phenanthrene	ND		90	14	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Phenol	ND		90	11	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
Pyrene	**45**	**J**	90	9.1	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
1,2,4,5-Tetrachlorobenzene	ND		440	34	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
2,3,4,6-Tetrachlorophenol	ND		440	29	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
2,4,5-Trichlorophenol	ND		440	48	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1
2,4,6-Trichlorophenol	ND		440	67	ug/Kg	☼	08/25/14 03:00	08/25/14 21:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*200*	*T J*	*ug/Kg*	☼	*15.21*		*08/25/14 03:00*	*08/25/14 21:05*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*16.08*		*08/25/14 03:00*	*08/25/14 21:05*	*1*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*16.22*		*08/25/14 03:00*	*08/25/14 21:05*	*1*
Unknown Straight Chain Alkane	*510*	*T J*	*ug/Kg*	☼	*16.64*		*08/25/14 03:00*	*08/25/14 21:05*	*1*
Unknown	*790*	*T J*	*ug/Kg*	☼	*16.68*		*08/25/14 03:00*	*08/25/14 21:05*	*1*
Unknown	*630*	*T J*	*ug/Kg*	☼	*17.72*		*08/25/14 03:00*	*08/25/14 21:05*	*1*
Unknown Straight Chain Alkane	*1000*	*T J*	*ug/Kg*	☼	*18.11*		*08/25/14 03:00*	*08/25/14 21:05*	*1*
Unknown	*400*	*T J*	*ug/Kg*	☼	*18.67*		*08/25/14 03:00*	*08/25/14 21:05*	*1*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*19.26*		*08/25/14 03:00*	*08/25/14 21:05*	*1*
Unknown	*540*	*T J*	*ug/Kg*	☼	*19.54*		*08/25/14 03:00*	*08/25/14 21:05*	*1*
Unknown	*590*	*T J*	*ug/Kg*	☼	*19.68*		*08/25/14 03:00*	*08/25/14 21:05*	*1*
Unknown	*430*	*T J*	*ug/Kg*	☼	*19.77*		*08/25/14 03:00*	*08/25/14 21:05*	*1*
Unknown	*1700*	*T J*	*ug/Kg*	☼	*20.33*		*08/25/14 03:00*	*08/25/14 21:05*	*1*
Unknown	*330*	*T J*	*ug/Kg*	☼	*20.56*		*08/25/14 03:00*	*08/25/14 21:05*	*1*

Client Sample Results

Client Sample ID: SSHS-B97-SS

Lab Sample ID: 180-35776-52

Date Collected: 08/13/14 08:50

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 74.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 105*	*08/25/14 03:00*	*08/25/14 21:05*	*1*
2-Fluorophenol (Surr)	*53*		*39 - 103*	*08/25/14 03:00*	*08/25/14 21:05*	*1*
Nitrobenzene-d5 (Surr)	*57*		*25 - 104*	*08/25/14 03:00*	*08/25/14 21:05*	*1*
Phenol-d5 (Surr)	*56*		*25 - 105*	*08/25/14 03:00*	*08/25/14 21:05*	*1*
Terphenyl-d14 (Surr)	*67*		*25 - 127*	*08/25/14 03:00*	*08/25/14 21:05*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*35 - 124*	*08/25/14 03:00*	*08/25/14 21:05*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.3	0.40	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
alpha-BHC	ND		2.3	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
alpha-Chlordane	ND		2.3	0.44	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
beta-BHC	ND		2.3	0.58	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
4,4'-DDD	ND		2.3	0.29	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
4,4'-DDE	ND		2.3	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
4,4'-DDT	ND		2.3	0.33	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
delta-BHC	ND		2.3	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
Dieldrin	ND		2.3	0.37	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
Endosulfan I	ND		2.3	0.42	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
Endosulfan II	ND		2.3	0.40	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
Endosulfan sulfate	ND		2.3	0.23	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
Endrin	ND		2.3	0.43	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
Endrin aldehyde	ND		2.3	0.44	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
Endrin ketone	ND		2.3	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
gamma-BHC (Lindane)	ND		2.3	0.39	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
gamma-Chlordane	ND		2.3	0.44	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
Heptachlor	ND		2.3	0.50	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
Heptachlor epoxide	ND		2.3	0.44	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
Methoxychlor	ND		4.4	0.47	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1
Toxaphene	ND		90	15	ug/Kg	☼	08/25/14 06:15	08/26/14 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 130*	*08/25/14 06:15*	*08/26/14 16:48*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 130*	*08/25/14 06:15*	*08/26/14 16:48*	*1*
Tetrachloro-m-xylene	*69*		*45 - 130*	*08/25/14 06:15*	*08/26/14 16:48*	*1*
Tetrachloro-m-xylene	*64*		*45 - 130*	*08/25/14 06:15*	*08/26/14 16:48*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		22	3.3	ug/Kg	☼	08/25/14 06:15	08/26/14 22:35	1
PCB-1221	ND		22	4.3	ug/Kg	☼	08/25/14 06:15	08/26/14 22:35	1
PCB-1232	ND		22	3.8	ug/Kg	☼	08/25/14 06:15	08/26/14 22:35	1
PCB-1242	ND		22	3.6	ug/Kg	☼	08/25/14 06:15	08/26/14 22:35	1
PCB-1248	ND		22	2.1	ug/Kg	☼	08/25/14 06:15	08/26/14 22:35	1
PCB-1254	ND		22	3.2	ug/Kg	☼	08/25/14 06:15	08/26/14 22:35	1
PCB-1260	ND		22	3.2	ug/Kg	☼	08/25/14 06:15	08/26/14 22:35	1
PCB-1262	ND		22	4.9	ug/Kg	☼	08/25/14 06:15	08/26/14 22:35	1
PCB-1268	ND		22	2.9	ug/Kg	☼	08/25/14 06:15	08/26/14 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*63*		*45 - 125*	*08/25/14 06:15*	*08/26/14 22:35*	*1*

Client Sample ID: SSHS-B97-SS

Lab Sample ID: 180-35776-52

Date Collected: 08/13/14 08:50

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 74.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*62*		*45 - 125*	*08/25/14 06:15*	*08/26/14 23:06*	*1*
Tetrachloro-m-xylene (Surr)	*62*		*45 - 135*	*08/25/14 06:15*	*08/26/14 22:35*	*1*
Tetrachloro-m-xylene (Surr)	*66*		*45 - 135*	*08/25/14 06:15*	*08/26/14 23:06*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		26	2.7	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Antimony	ND		1.3	0.26	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Arsenic	**8.2**		1.3	0.40	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Barium	**88**	**B**	26	0.017	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Beryllium	**0.55**		0.53	0.015	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Cadmium	**0.14**	**J B**	0.66	0.019	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Calcium	**2300**		660	2.0	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Chromium	**14**		0.66	0.10	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Cobalt	**9.3**		6.6	0.055	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Copper	**15**		3.3	0.19	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Iron	**21000**		13	1.2	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Lead	**15**		1.3	0.13	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Magnesium	**3000**		660	2.7	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Manganese	**500**		2.0	0.12	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Nickel	**20**		5.3	0.063	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Potassium	**920**	**B**	660	8.4	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Selenium	**0.61**	**J**	1.3	0.35	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Silver	ND		0.66	0.053	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Sodium	**35**	**J B**	660	1.4	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Thallium	ND		2.6	0.19	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Vanadium	**14**	**B**	6.6	0.23	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1
Zinc	**56**	**B**	2.6	0.14	mg/Kg	☼	08/20/14 14:02	08/27/14 09:53	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**	**J**	0.043	0.014	mg/Kg	☼	08/25/14 10:11	08/25/14 14:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**26**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**74**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	ND		0.66	0.19	mg/Kg	☼	08/21/14 12:25	08/21/14 13:47	1

Client Sample ID: SSHS-B97-0.17-2 (1)

Lab Sample ID: 180-35776-53

Date Collected: 08/13/14 08:54

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 83.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.9	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Benzene	ND		4.9	0.66	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Bromoform	ND		4.9	0.43	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Bromomethane	ND		4.9	0.72	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
2-Butanone (MEK)	ND		4.9	0.86	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1

Client Sample Results

Client Sample ID: SSHS-B97-0.17-2 (1)
Lab Sample ID: 180-35776-53
Date Collected: 08/13/14 08:54
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.9	0.50	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Carbon tetrachloride	ND	*	4.9	0.44	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Chlorobenzene	ND		4.9	0.74	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Chlorobromomethane	ND		4.9	0.67	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Chlorodibromomethane	ND		4.9	0.69	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Chloroethane	ND	*	4.9	1.5	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Chloroform	ND		4.9	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Chloromethane	ND		4.9	0.83	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
cis-1,2-Dichloroethene	ND		4.9	0.69	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
cis-1,3-Dichloropropene	ND		4.9	0.66	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Cyclohexane	ND		4.9	0.36	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
1,2-Dibromo-3-Chloropropane	ND		4.9	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
1,2-Dibromoethane	ND		4.9	0.84	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
1,2-Dichlorobenzene	ND		4.9	0.78	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
1,3-Dichlorobenzene	ND		4.9	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
1,4-Dichlorobenzene	ND		4.9	0.62	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Dichlorobromomethane	ND		4.9	0.55	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Dichlorodifluoromethane	ND		4.9	0.65	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
1,1-Dichloroethane	ND		4.9	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
1,2-Dichloroethane	ND		4.9	0.60	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
1,1-Dichloroethene	ND		4.9	0.83	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
1,2-Dichloropropane	ND		4.9	0.53	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
1,4-Dioxane	ND		980	270	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Ethylbenzene	ND		4.9	0.63	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
2-Hexanone	ND		4.9	0.68	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Isopropylbenzene	ND		4.9	0.66	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Methyl acetate	ND		4.9	0.88	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Methylcyclohexane	ND		4.9	0.71	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Methylene Chloride	ND		4.9	0.66	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Methyl tert-butyl ether	ND		4.9	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
m-Xylene & p-Xylene	ND		9.8	1.4	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
o-Xylene	ND		4.9	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Styrene	ND		4.9	0.69	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.70	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Tetrachloroethene	ND		4.9	0.67	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Toluene	ND		4.9	0.71	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
trans-1,2-Dichloroethene	ND		4.9	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
trans-1,3-Dichloropropene	ND		4.9	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
1,2,3-Trichlorobenzene	ND		4.9	0.83	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
1,2,4-Trichlorobenzene	ND		4.9	0.86	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
1,1,1-Trichloroethane	ND		4.9	0.48	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
1,1,2-Trichloroethane	ND		4.9	0.81	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Trichloroethene	ND		4.9	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Trichlorofluoromethane	ND		4.9	0.90	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.9	1.0	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1
Vinyl chloride	ND		4.9	0.46	ug/Kg	☼	08/17/14 10:00	08/17/14 20:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/17/14 10:00*	*08/17/14 20:57*	*1*

Client Sample ID: SSHS-B97-0.17-2 (1) **Lab Sample ID: 180-35776-53**
Date Collected: 08/13/14 08:54 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 83.0**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*63 - 120*	*08/17/14 10:00*	*08/17/14 20:57*	*1*
Dibromofluoromethane (Surr)	*99*		*68 - 121*	*08/17/14 10:00*	*08/17/14 20:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*52 - 124*	*08/17/14 10:00*	*08/17/14 20:57*	*1*
Toluene-d8 (Surr)	*100*		*72 - 127*	*08/17/14 10:00*	*08/17/14 20:57*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		81	7.7	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Acenaphthylene	ND		81	9.2	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Acetophenone	ND		400	33	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Anthracene	ND		81	7.9	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Atrazine	ND		400	39	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Benzaldehyde	ND		400	60	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Benzo[a]anthracene	**24**	**J**	81	10	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Benzo[a]pyrene	**21**	**J**	81	8.0	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Benzo[b]fluoranthene	**26**	**J**	81	13	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Benzo[g,h,i]perylene	**19**	**J**	81	8.0	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Benzo[k]fluoranthene	ND		81	16	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
1,1'-Biphenyl	ND		400	36	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Bis(2-chloroethoxy)methane	ND		400	26	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Bis(2-chloroethyl)ether	ND		81	11	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Bis(2-ethylhexyl) phthalate	ND		810	65	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
4-Bromophenyl phenyl ether	ND		400	35	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Butyl benzyl phthalate	ND		400	55	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Caprolactam	ND		2000	300	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Carbazole	ND		81	7.4	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
4-Chloroaniline	ND		400	32	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
4-Chloro-3-methylphenol	ND		400	37	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
2-Chloronaphthalene	ND		81	8.4	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
2-Chlorophenol	ND		400	33	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
4-Chlorophenyl phenyl ether	ND		400	45	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Chrysene	**24**	**J**	81	9.6	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Dibenz(a,h)anthracene	ND		81	8.9	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Dibenzofuran	ND		400	40	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
3,3'-Dichlorobenzidine	ND		400	43	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
2,4-Dichlorophenol	ND		81	8.1	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Diethyl phthalate	ND		400	44	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
2,4-Dimethylphenol	ND		400	63	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Dimethyl phthalate	ND		400	44	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Di-n-butyl phthalate	ND		400	50	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
2,4-Dinitrophenol	ND		2000	480	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
2,4-Dinitrotoluene	ND		400	32	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
2,6-Dinitrotoluene	ND		400	41	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Di-n-octyl phthalate	ND		400	42	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
1,4-Dioxane	ND		810	46	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Fluoranthene	**46**	**J**	81	8.6	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Fluorene	ND		81	11	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Hexachlorobenzene	ND		81	8.6	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Hexachlorobutadiene	ND		81	9.0	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1

Client Sample ID: SSHS-B97-0.17-2 (1) **Lab Sample ID: 180-35776-53**
Date Collected: 08/13/14 08:54 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 83.0**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		400	43	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Hexachloroethane	ND		400	29	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Indeno[1,2,3-cd]pyrene	**16**	**J**	81	8.3	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Isophorone	ND		400	30	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
2-Methylnaphthalene	ND		81	7.2	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
2-Methylphenol	ND		400	28	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Methylphenol, 3 & 4	ND		400	39	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Naphthalene	ND		81	6.9	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
3-Nitroaniline	ND		2000	170	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Nitrobenzene	ND		810	33	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
2-Nitrophenol	ND		400	44	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
4-Nitrophenol	ND		2000	150	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
N-Nitrosodi-n-propylamine	ND		81	9.4	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
N-Nitrosodiphenylamine	ND		400	37	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
2,2'-oxybis[1-chloropropane]	ND		81	8.7	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Pentachlorophenol	ND		400	36	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Phenanthrene	**24**	**J**	81	13	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Phenol	ND		81	9.5	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
Pyrene	**38**	**J**	81	8.1	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
1,2,4,5-Tetrachlorobenzene	ND		400	30	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
2,3,4,6-Tetrachlorophenol	ND		400	26	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
2,4,5-Trichlorophenol	ND		400	43	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1
2,4,6-Trichlorophenol	ND		400	60	ug/Kg	☼	08/25/14 03:00	08/25/14 21:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*220*	*T J*	*ug/Kg*	☼	*10.45*		*08/25/14 03:00*	*08/25/14 21:32*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*13.26*		*08/25/14 03:00*	*08/25/14 21:32*	*1*
Unknown	*410*	*T J*	*ug/Kg*	☼	*16.22*		*08/25/14 03:00*	*08/25/14 21:32*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*16.63*		*08/25/14 03:00*	*08/25/14 21:32*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*17.71*		*08/25/14 03:00*	*08/25/14 21:32*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*18.11*		*08/25/14 03:00*	*08/25/14 21:32*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*19.26*		*08/25/14 03:00*	*08/25/14 21:32*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*19.68*		*08/25/14 03:00*	*08/25/14 21:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*35 - 105*	*08/25/14 03:00*	*08/25/14 21:32*	*1*
2-Fluorophenol (Surr)	*59*		*39 - 103*	*08/25/14 03:00*	*08/25/14 21:32*	*1*
Nitrobenzene-d5 (Surr)	*62*		*25 - 104*	*08/25/14 03:00*	*08/25/14 21:32*	*1*
Phenol-d5 (Surr)	*58*		*25 - 105*	*08/25/14 03:00*	*08/25/14 21:32*	*1*
Terphenyl-d14 (Surr)	*69*		*25 - 127*	*08/25/14 03:00*	*08/25/14 21:32*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*35 - 124*	*08/25/14 03:00*	*08/25/14 21:32*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
alpha-BHC	ND		2.0	0.33	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
alpha-Chlordane	ND		2.0	0.40	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
beta-BHC	ND		2.0	0.52	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: SSHS-B97-0.17-2 (1)
Date Collected: 08/13/14 08:54
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-53
Matrix: Solid
Percent Solids: 83.0

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.0	0.26	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
4,4'-DDE	ND		2.0	0.30	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
4,4'-DDT	**0.46**	**J p**	2.0	0.30	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
delta-BHC	ND		2.0	0.31	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
Dieldrin	ND		2.0	0.33	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
Endosulfan I	ND		2.0	0.38	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
Endosulfan II	ND		2.0	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
Endosulfan sulfate	ND		2.0	0.21	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
Endrin	ND		2.0	0.39	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
Endrin aldehyde	ND		2.0	0.39	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
Endrin ketone	ND		2.0	0.31	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
gamma-BHC (Lindane)	ND		2.0	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
gamma-Chlordane	ND		2.0	0.40	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
Heptachlor	ND		2.0	0.45	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
Heptachlor epoxide	ND		2.0	0.39	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
Methoxychlor	ND		4.0	0.42	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1
Toxaphene	ND		81	13	ug/Kg	☼	08/25/14 06:15	08/26/14 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/25/14 06:15*	*08/26/14 17:04*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*08/25/14 06:15*	*08/26/14 17:04*	*1*
Tetrachloro-m-xylene	*88*		*45 - 130*	*08/25/14 06:15*	*08/26/14 17:04*	*1*
Tetrachloro-m-xylene	*82*		*45 - 130*	*08/25/14 06:15*	*08/26/14 17:04*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	3.0	ug/Kg	☼	08/25/14 06:15	08/26/14 23:06	1
PCB-1221	ND		20	3.8	ug/Kg	☼	08/25/14 06:15	08/26/14 23:06	1
PCB-1232	ND		20	3.4	ug/Kg	☼	08/25/14 06:15	08/26/14 23:06	1
PCB-1242	ND		20	3.3	ug/Kg	☼	08/25/14 06:15	08/26/14 23:06	1
PCB-1248	ND		20	1.9	ug/Kg	☼	08/25/14 06:15	08/26/14 23:06	1
PCB-1254	ND		20	2.9	ug/Kg	☼	08/25/14 06:15	08/26/14 23:06	1
PCB-1260	ND		20	2.9	ug/Kg	☼	08/25/14 06:15	08/26/14 23:06	1
PCB-1262	ND		20	4.4	ug/Kg	☼	08/25/14 06:15	08/26/14 23:06	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/25/14 06:15	08/26/14 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 125*	*08/25/14 06:15*	*08/26/14 23:06*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/25/14 06:15*	*08/26/14 23:38*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*45 - 135*	*08/25/14 06:15*	*08/26/14 23:06*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*	*08/25/14 06:15*	*08/26/14 23:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		22	2.3	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Arsenic	**8.4**		1.1	0.34	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Barium	**85**	**B**	22	0.014	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Beryllium	**0.51**		0.44	0.012	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Cadmium	**0.095**	**J B**	0.55	0.016	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1

Client Sample ID: SSHS-B97-0.17-2 (1)

Lab Sample ID: 180-35776-53
Date Collected: 08/13/14 08:54
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 83.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**14000**		550	1.6	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Chromium	**13**		0.55	0.085	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Cobalt	**9.2**		5.5	0.046	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Copper	**18**		2.7	0.16	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Iron	**21000**		11	0.97	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Lead	**15**		1.1	0.11	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Magnesium	**3700**		550	2.3	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Manganese	**490**		1.6	0.097	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Nickel	**21**		4.4	0.052	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Potassium	**750**	**B**	550	7.0	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Selenium	**0.51**	**J**	1.1	0.29	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Silver	ND		0.55	0.044	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Sodium	**45**	**J B**	550	1.2	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Vanadium	**14**	**B**	5.5	0.19	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1
Zinc	**57**	**B**	2.2	0.11	mg/Kg	☼	08/20/14 14:02	08/27/14 09:58	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**	**J**	0.038	0.013	mg/Kg	☼	08/25/14 10:11	08/25/14 14:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		0.10	0.10	%			08/15/14 12:03	1
Percent Solids	**83**		0.10	0.10	%			08/15/14 12:03	1
Cyanide, Total	ND		0.62	0.18	mg/Kg	☼	08/21/14 12:25	08/21/14 13:47	1

Client Sample ID: SSHS-B97-2-6 (5)

Lab Sample ID: 180-35776-54
Date Collected: 08/13/14 08:59
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Benzene	ND		5.0	0.68	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Bromoform	ND		5.0	0.44	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Bromomethane	ND		5.0	0.74	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Carbon disulfide	ND		5.0	0.51	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Carbon tetrachloride	ND	*	5.0	0.45	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Chlorobenzene	ND		5.0	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Chloroethane	ND	*	5.0	1.6	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Chloroform	ND		5.0	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Chloromethane	ND		5.0	0.85	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Cyclohexane	ND		5.0	0.37	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1

Client Sample ID: SSHS-B97-2-6 (5)

Lab Sample ID: 180-35776-54

Date Collected: 08/13/14 08:59
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
1,4-Dioxane	ND		1000	280	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Ethylbenzene	ND		5.0	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
2-Hexanone	ND		5.0	0.69	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Methyl acetate	ND		5.0	0.90	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Methylene Chloride	ND		5.0	0.67	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
o-Xylene	ND		5.0	0.78	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Styrene	ND		5.0	0.71	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Toluene	ND		5.0	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
1,2,3-Trichlorobenzene	ND		5.0	0.85	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Trichloroethene	**0.76**	**J**	5.0	0.66	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.0	1.1	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1
Vinyl chloride	ND		5.0	0.47	ug/Kg	☼	08/17/14 10:00	08/17/14 21:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/17/14 10:00*	*08/17/14 21:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*63 - 120*	*08/17/14 10:00*	*08/17/14 21:23*	*1*
Dibromofluoromethane (Surr)	*102*		*68 - 121*	*08/17/14 10:00*	*08/17/14 21:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*52 - 124*	*08/17/14 10:00*	*08/17/14 21:23*	*1*
Toluene-d8 (Surr)	*101*		*72 - 127*	*08/17/14 10:00*	*08/17/14 21:23*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	7.1	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Acenaphthylene	ND		74	8.5	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Acetophenone	ND		370	30	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1

Client Sample ID: SSHS-B97-2-6 (5)
Lab Sample ID: 180-35776-54
Date Collected: 08/13/14 08:59
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		74	7.2	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Atrazine	ND		370	36	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Benzaldehyde	ND		370	55	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Benzo[a]anthracene	**15**	**J**	74	9.3	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Benzo[a]pyrene	ND		74	7.4	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Benzo[b]fluoranthene	ND		74	12	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Benzo[g,h,i]perylene	ND		74	7.4	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Benzo[k]fluoranthene	ND		74	15	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Bis(2-chloroethoxy)methane	ND		370	24	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Bis(2-ethylhexyl) phthalate	ND		740	60	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Carbazole	ND		74	6.8	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
2-Chlorophenol	ND		370	30	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Chrysene	**11**	**J**	74	8.8	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Dibenz(a,h)anthracene	ND		74	8.2	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Dibenzofuran	ND		370	36	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Diethyl phthalate	ND		370	40	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Dimethyl phthalate	ND		370	40	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Di-n-butyl phthalate	ND		370	46	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Fluoranthene	**17**	**J**	74	7.9	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Fluorene	ND		74	9.8	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Hexachlorobenzene	ND		74	7.9	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Hexachlorobutadiene	ND		74	8.3	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Indeno[1,2,3-cd]pyrene	ND		74	7.6	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Isophorone	ND		370	28	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
2-Methylnaphthalene	**7.9**	**J**	74	6.7	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Methylphenol, 3 & 4	ND		370	36	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Naphthalene	**14**	**J**	74	6.4	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B97-2-6 (5)

Lab Sample ID: 180-35776-54
Date Collected: 08/13/14 08:59
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 90.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
N-Nitrosodi-n-propylamine	ND		74	8.7	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
N-Nitrosodiphenylamine	ND		370	34	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
2,2'-oxybis[1-chloropropane]	ND		74	8.0	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Phenanthrene	**14**	**J**	74	12	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Phenol	ND		74	8.7	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
Pyrene	**16**	**J**	74	7.5	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1
2,4,6-Trichlorophenol	ND		370	55	ug/Kg	☼	08/25/14 17:20	08/26/14 12:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190*	*T J*	*ug/Kg*	☼	*13.18*		*08/25/14 17:20*	*08/26/14 12:44*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*13.23*		*08/25/14 17:20*	*08/26/14 12:44*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*13.38*		*08/25/14 17:20*	*08/26/14 12:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*08/25/14 17:20*	*08/26/14 12:44*	*1*
2-Fluorophenol (Surr)	*64*		*39 - 103*	*08/25/14 17:20*	*08/26/14 12:44*	*1*
Nitrobenzene-d5 (Surr)	*69*		*25 - 104*	*08/25/14 17:20*	*08/26/14 12:44*	*1*
Phenol-d5 (Surr)	*68*		*25 - 105*	*08/25/14 17:20*	*08/26/14 12:44*	*1*
Terphenyl-d14 (Surr)	*67*		*25 - 127*	*08/25/14 17:20*	*08/26/14 12:44*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*35 - 124*	*08/25/14 17:20*	*08/26/14 12:44*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
alpha-Chlordane	**0.38**	**J p**	1.9	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
4,4'-DDD	**6.3**		1.9	0.24	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
4,4'-DDE	**16**		1.9	0.28	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
4,4'-DDT	**180**		1.9	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
Endosulfan II	**0.41**	**J p**	1.9	0.32	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
Endrin	**0.54**	**J p**	1.9	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
gamma-Chlordane	**2.0**		1.9	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1

Client Sample ID: SSHS-B97-2-6 (5)

Lab Sample ID: 180-35776-54

Date Collected: 08/13/14 08:59

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 90.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	**0.47**	**J p**	1.9	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1
Toxaphene	ND		74	12	ug/Kg	☼	08/25/14 06:15	08/26/14 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*08/25/14 06:15*	*08/26/14 17:19*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/25/14 06:15*	*08/26/14 17:19*	*1*
Tetrachloro-m-xylene	*89*		*45 - 130*	*08/25/14 06:15*	*08/26/14 17:19*	*1*
Tetrachloro-m-xylene	*86*		*45 - 130*	*08/25/14 06:15*	*08/26/14 17:19*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/25/14 06:15	08/27/14 00:09	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/25/14 06:15	08/27/14 00:09	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/25/14 06:15	08/27/14 00:09	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/25/14 06:15	08/27/14 00:09	1
PCB-1248	**56**		18	1.7	ug/Kg	☼	08/25/14 06:15	08/27/14 00:09	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/25/14 06:15	08/27/14 00:09	1
PCB-1260	**16**	**J**	18	2.6	ug/Kg	☼	08/25/14 06:15	08/27/14 00:09	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/25/14 06:15	08/27/14 00:09	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/25/14 06:15	08/27/14 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/25/14 06:15*	*08/26/14 23:38*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 125*	*08/25/14 06:15*	*08/27/14 00:09*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*	*08/25/14 06:15*	*08/26/14 23:38*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*45 - 135*	*08/25/14 06:15*	*08/27/14 00:09*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9500**		21	2.1	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Antimony	ND		1.0	0.20	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Arsenic	**8.0**		1.0	0.31	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Barium	**71**		21	0.013	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Beryllium	**0.40**	**J**	0.41	0.012	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Cadmium	**0.047**	**J**	0.51	0.015	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Calcium	**22000**		510	1.5	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Chromium	**13**	**B**	0.51	0.079	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Cobalt	**7.4**		5.1	0.043	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Copper	**23**		2.6	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Iron	**19000**		10	0.91	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Lead	**18**		1.0	0.10	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Magnesium	**3900**		510	2.1	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Manganese	**400**		1.5	0.091	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Nickel	**19**	**B**	4.1	0.049	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Potassium	**740**		510	6.6	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Selenium	**0.49**	**J**	1.0	0.27	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Silver	ND		0.51	0.042	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Sodium	**78**	**J B**	510	1.1	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1

Client Sample Results

Client Sample ID: SSHS-B97-2-6 (5)

Lab Sample ID: 180-35776-54

Date Collected: 08/13/14 08:59
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 90.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	**14**		5.1	0.18	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1
Zinc	**59**	**B**	2.1	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 07:59	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**	**J**	0.035	0.012	mg/Kg	☼	08/25/14 10:11	08/25/14 14:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.9**		0.10	0.10	%			08/15/14 12:29	1
Percent Solids	**90**		0.10	0.10	%			08/15/14 12:29	1
Cyanide, Total	**1.8**		0.54	0.16	mg/Kg	☼	08/21/14 12:25	08/21/14 13:54	1

Client Sample ID: SSHS-B97-6-10 (8)

Lab Sample ID: 180-35776-55

Date Collected: 08/13/14 09:52
Date Received: 08/14/14 13:08

Matrix: Solid
Percent Solids: 93.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.3	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Benzene	ND		4.3	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Bromoform	ND		4.3	0.38	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Bromomethane	ND		4.3	0.63	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
2-Butanone (MEK)	ND		4.3	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Carbon disulfide	ND		4.3	0.44	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Carbon tetrachloride	ND	*	4.3	0.38	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Chlorobenzene	ND		4.3	0.65	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Chlorobromomethane	ND		4.3	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Chlorodibromomethane	ND		4.3	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Chloroethane	ND	*	4.3	1.3	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Chloroform	ND		4.3	0.50	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Chloromethane	ND		4.3	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
cis-1,2-Dichloroethene	ND		4.3	0.60	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
cis-1,3-Dichloropropene	ND		4.3	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Cyclohexane	ND		4.3	0.32	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
1,2-Dibromo-3-Chloropropane	ND		4.3	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
1,2-Dibromoethane	ND		4.3	0.74	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
1,2-Dichlorobenzene	ND		4.3	0.69	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
1,3-Dichlorobenzene	ND		4.3	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
1,4-Dichlorobenzene	ND		4.3	0.55	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Dichlorobromomethane	ND		4.3	0.48	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Dichlorodifluoromethane	ND		4.3	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
1,1-Dichloroethane	ND		4.3	0.49	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
1,2-Dichloroethane	ND		4.3	0.53	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
1,1-Dichloroethene	ND		4.3	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
1,2-Dichloropropane	ND		4.3	0.47	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
1,4-Dioxane	ND		860	240	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Ethylbenzene	ND		4.3	0.55	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
2-Hexanone	ND		4.3	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Isopropylbenzene	ND		4.3	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1

Client Sample Results

Client Sample ID: SSHS-B97-6-10 (8)

Lab Sample ID: 180-35776-55

Date Collected: 08/13/14 09:52
Date Received: 08/14/14 13:08
Matrix: Solid
Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		4.3	0.77	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Methylcyclohexane	ND		4.3	0.62	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Methylene Chloride	ND		4.3	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
4-Methyl-2-pentanone (MIBK)	ND		4.3	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Methyl tert-butyl ether	ND		4.3	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
m-Xylene & p-Xylene	ND		8.6	1.3	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
o-Xylene	ND		4.3	0.67	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Styrene	ND		4.3	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.62	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Tetrachloroethene	ND		4.3	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Toluene	ND		4.3	0.63	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
trans-1,2-Dichloroethene	ND		4.3	0.51	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
trans-1,3-Dichloropropene	ND		4.3	0.51	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
1,2,3-Trichlorobenzene	ND		4.3	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
1,2,4-Trichlorobenzene	ND		4.3	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
1,1,1-Trichloroethane	ND		4.3	0.42	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
1,1,2-Trichloroethane	ND		4.3	0.71	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Trichloroethene	ND		4.3	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Trichlorofluoromethane	ND		4.3	0.79	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.3	0.92	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1
Vinyl chloride	ND		4.3	0.40	ug/Kg	☼	08/17/14 10:00	08/17/14 21:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/17/14 10:00*	*08/17/14 21:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*63 - 120*	*08/17/14 10:00*	*08/17/14 21:49*	*1*
Dibromofluoromethane (Surr)	*98*		*68 - 121*	*08/17/14 10:00*	*08/17/14 21:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*52 - 124*	*08/17/14 10:00*	*08/17/14 21:49*	*1*
Toluene-d8 (Surr)	*94*		*72 - 127*	*08/17/14 10:00*	*08/17/14 21:49*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	6.8	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Acenaphthylene	ND		71	8.1	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Acetophenone	ND		350	29	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Anthracene	ND		71	6.9	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Atrazine	ND		350	34	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Benzo[a]anthracene	ND		71	8.8	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Benzo[a]pyrene	ND		71	7.0	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Benzo[b]fluoranthene	ND		71	11	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Benzo[g,h,i]perylene	ND		71	7.0	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Benzo[k]fluoranthene	ND		71	14	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
1,1'-Biphenyl	ND		350	31	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Bis(2-chloroethyl)ether	ND		71	9.4	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Bis(2-ethylhexyl) phthalate	ND		710	57	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1

Client Sample ID: SSHS-B97-6-10 (8) **Lab Sample ID: 180-35776-55**
Date Collected: 08/13/14 09:52 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 93.6**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		1800	270	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Carbazole	ND		71	6.5	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
4-Chloro-3-methylphenol	ND		350	32	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
2-Chloronaphthalene	ND		71	7.3	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Chrysene	ND		71	8.4	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Dibenz(a,h)anthracene	ND		71	7.8	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
2,4-Dichlorophenol	ND		71	7.1	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Diethyl phthalate	ND		350	38	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Dimethyl phthalate	ND		350	38	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
2,4-Dinitrotoluene	ND		350	28	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
2,6-Dinitrotoluene	ND		350	36	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
1,4-Dioxane	ND		710	40	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Fluoranthene	ND		71	7.5	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Fluorene	ND		71	9.3	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Hexachlorobenzene	ND		71	7.5	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Hexachlorobutadiene	ND		71	7.9	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Indeno[1,2,3-cd]pyrene	ND		71	7.2	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Isophorone	ND		350	27	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
2-Methylnaphthalene	ND		71	6.3	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Methylphenol, 3 & 4	ND		350	34	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Naphthalene	ND		71	6.1	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
3-Nitroaniline	ND		1800	140	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Nitrobenzene	ND		710	29	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
N-Nitrosodi-n-propylamine	ND		71	8.2	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
2,2'-oxybis[1-chloropropane]	ND		71	7.6	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Pentachlorophenol	ND		350	31	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Phenanthrene	ND		71	11	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Phenol	ND		71	8.3	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
Pyrene	ND		71	7.1	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1

Client Sample ID: SSHS-B97-6-10 (8)

Lab Sample ID: 180-35776-55

Date Collected: 08/13/14 09:52
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 93.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/25/14 17:20	08/26/14 14:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*160*	*T J*	*ug/Kg*	☼	*13.15*		*08/25/14 17:20*	*08/26/14 14:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*08/25/14 17:20*	*08/26/14 14:10*	*1*
2-Fluorophenol (Surr)	*65*		*39 - 103*	*08/25/14 17:20*	*08/26/14 14:10*	*1*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/25/14 17:20*	*08/26/14 14:10*	*1*
Phenol-d5 (Surr)	*67*		*25 - 105*	*08/25/14 17:20*	*08/26/14 14:10*	*1*
Terphenyl-d14 (Surr)	*68*		*25 - 127*	*08/25/14 17:20*	*08/26/14 14:10*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*35 - 124*	*08/25/14 17:20*	*08/26/14 14:10*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1
Toxaphene	ND		72	12	ug/Kg	☼	08/25/14 06:15	08/26/14 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*08/25/14 06:15*	*08/26/14 17:35*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/25/14 06:15*	*08/26/14 17:35*	*1*
Tetrachloro-m-xylene	*90*		*45 - 130*	*08/25/14 06:15*	*08/26/14 17:35*	*1*
Tetrachloro-m-xylene	*88*		*45 - 130*	*08/25/14 06:15*	*08/26/14 17:35*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/25/14 06:15	08/27/14 00:09	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/25/14 06:15	08/27/14 00:09	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/25/14 06:15	08/27/14 00:09	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/25/14 06:15	08/27/14 00:09	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/25/14 06:15	08/27/14 00:09	1

Client Sample Results

Client Sample ID: SSHS-B97-6-10 (8)

Lab Sample ID: 180-35776-55
Date Collected: 08/13/14 09:52
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 93.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	ND		18	2.5	ug/Kg	☼	08/25/14 06:15	08/27/14 00:09	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/25/14 06:15	08/27/14 00:09	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/25/14 06:15	08/27/14 00:09	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/25/14 06:15	08/27/14 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*	*08/25/14 06:15*	*08/27/14 00:09*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 125*	*08/25/14 06:15*	*08/27/14 00:41*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*45 - 135*	*08/25/14 06:15*	*08/27/14 00:09*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*45 - 135*	*08/25/14 06:15*	*08/27/14 00:41*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8200**		21	2.2	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Antimony	ND		1.1	0.21	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Arsenic	**8.1**		1.1	0.33	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Barium	**63**		21	0.014	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Beryllium	**0.33**	**J**	0.43	0.012	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Cadmium	**0.045**	**J**	0.53	0.015	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Calcium	**22000**		530	1.6	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Chromium	**10**	**B**	0.53	0.082	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Cobalt	**7.6**		5.3	0.045	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Copper	**22**		2.7	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Iron	**20000**		11	0.95	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Lead	**9.8**		1.1	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Magnesium	**4700**		530	2.2	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Manganese	**410**		1.6	0.095	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Nickel	**18**	**B**	4.3	0.051	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Potassium	**800**		530	6.8	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Selenium	ND		1.1	0.29	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Silver	ND		0.53	0.043	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Sodium	**72**	**J B**	530	1.1	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Thallium	ND		2.1	0.16	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Vanadium	**12**		5.3	0.19	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1
Zinc	**62**	**B**	2.1	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 08:35	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**	**J**	0.034	0.011	mg/Kg	☼	08/25/14 10:11	08/25/14 14:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.4**		0.10	0.10	%			08/15/14 12:29	1
Percent Solids	**94**		0.10	0.10	%			08/15/14 12:29	1
Cyanide, Total	ND		0.52	0.15	mg/Kg	☼	08/21/14 12:25	08/21/14 13:54	1

Client Sample Results

Client Sample ID: SSHS-B97-10-16 (13)

Lab Sample ID: 180-35776-56

Date Collected: 08/13/14 09:59

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 91.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.3	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Benzene	ND		4.3	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Bromoform	ND		4.3	0.38	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Bromomethane	ND		4.3	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
2-Butanone (MEK)	ND		4.3	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Carbon disulfide	ND		4.3	0.44	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Carbon tetrachloride	ND	*	4.3	0.39	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Chlorobenzene	ND		4.3	0.65	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Chlorobromomethane	ND		4.3	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Chlorodibromomethane	ND		4.3	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Chloroethane	ND	*	4.3	1.3	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Chloroform	ND		4.3	0.51	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Chloromethane	ND		4.3	0.74	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
cis-1,2-Dichloroethene	ND		4.3	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
cis-1,3-Dichloropropene	ND		4.3	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Cyclohexane	ND		4.3	0.32	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
1,2-Dibromo-3-Chloropropane	ND		4.3	0.65	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
1,2-Dibromoethane	ND		4.3	0.75	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
1,2-Dichlorobenzene	ND		4.3	0.69	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
1,3-Dichlorobenzene	ND		4.3	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
1,4-Dichlorobenzene	ND		4.3	0.55	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Dichlorobromomethane	ND		4.3	0.49	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Dichlorodifluoromethane	ND		4.3	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
1,1-Dichloroethane	ND		4.3	0.50	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
1,2-Dichloroethane	ND		4.3	0.53	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
1,1-Dichloroethene	ND		4.3	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
1,2-Dichloropropane	ND		4.3	0.47	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
1,4-Dioxane	ND		860	240	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Ethylbenzene	ND		4.3	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
2-Hexanone	ND		4.3	0.60	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Isopropylbenzene	ND		4.3	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Methyl acetate	ND		4.3	0.78	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Methylcyclohexane	ND		4.3	0.63	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Methylene Chloride	ND		4.3	0.58	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
4-Methyl-2-pentanone (MIBK)	ND		4.3	0.56	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Methyl tert-butyl ether	ND		4.3	0.65	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
m-Xylene & p-Xylene	ND		8.6	1.3	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
o-Xylene	ND		4.3	0.67	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Styrene	ND		4.3	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.62	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Tetrachloroethene	ND		4.3	0.59	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Toluene	ND		4.3	0.63	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
trans-1,2-Dichloroethene	ND		4.3	0.52	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
trans-1,3-Dichloropropene	ND		4.3	0.52	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
1,2,3-Trichlorobenzene	ND		4.3	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
1,2,4-Trichlorobenzene	ND		4.3	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
1,1,1-Trichloroethane	ND		4.3	0.42	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
1,1,2-Trichloroethane	ND		4.3	0.72	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Trichloroethene	ND		4.3	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1

Client Sample Results

Client Sample ID: SSHS-B97-10-16 (13)

Lab Sample ID: 180-35776-56

Date Collected: 08/13/14 09:59
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.3	0.79	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.3	0.92	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1
Vinyl chloride	ND		4.3	0.41	ug/Kg	☼	08/17/14 10:00	08/17/14 22:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/17/14 10:00*	*08/17/14 22:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*63 - 120*	*08/17/14 10:00*	*08/17/14 22:15*	*1*
Dibromofluoromethane (Surr)	*99*		*68 - 121*	*08/17/14 10:00*	*08/17/14 22:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*52 - 124*	*08/17/14 10:00*	*08/17/14 22:15*	*1*
Toluene-d8 (Surr)	*94*		*72 - 127*	*08/17/14 10:00*	*08/17/14 22:15*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Acenaphthylene	ND		73	8.3	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Acetophenone	ND		360	30	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Anthracene	ND		73	7.1	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Atrazine	ND		360	35	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Benzo[a]anthracene	ND		73	9.1	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Benzo[a]pyrene	ND		73	7.3	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Benzo[b]fluoranthene	ND		73	11	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Benzo[g,h,i]perylene	ND		73	7.2	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Benzo[k]fluoranthene	ND		73	15	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Bis(2-chloroethyl)ether	ND		73	9.8	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Caprolactam	ND		1900	270	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Carbazole	ND		73	6.7	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Chrysene	ND		73	8.7	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Dibenz(a,h)anthracene	ND		73	8.1	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
2,4-Dinitrophenol	ND		1900	430	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1

Client Sample ID: SSHS-B97-10-16 (13) **Lab Sample ID: 180-35776-56**
Date Collected: 08/13/14 09:59 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 91.6**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Fluoranthene	ND		73	7.8	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Fluorene	ND		73	9.6	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Hexachlorobenzene	ND		73	7.8	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Hexachlorobutadiene	ND		73	8.2	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Indeno[1,2,3-cd]pyrene	ND		73	7.5	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Isophorone	ND		360	27	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
2-Methylnaphthalene	ND		73	6.5	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Naphthalene	ND		73	6.3	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
N-Nitrosodi-n-propylamine	ND		73	8.5	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
2,2'-oxybis[1-chloropropane]	ND		73	7.9	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Phenanthrene	ND		73	12	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Phenol	ND		73	8.6	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
Pyrene	ND		73	7.4	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/25/14 17:20	08/26/14 14:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/25/14 17:20*	*08/26/14 14:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*35 - 105*	*08/25/14 17:20*	*08/26/14 14:38*	*1*
2-Fluorophenol (Surr)	*58*		*39 - 103*	*08/25/14 17:20*	*08/26/14 14:38*	*1*
Nitrobenzene-d5 (Surr)	*62*		*25 - 104*	*08/25/14 17:20*	*08/26/14 14:38*	*1*
Phenol-d5 (Surr)	*61*		*25 - 105*	*08/25/14 17:20*	*08/26/14 14:38*	*1*
Terphenyl-d14 (Surr)	*66*		*25 - 127*	*08/25/14 17:20*	*08/26/14 14:38*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*35 - 124*	*08/25/14 17:20*	*08/26/14 14:38*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
alpha-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1

Client Sample Results

Client Sample ID: SSHS-B97-10-16 (13)

Date Collected: 08/13/14 09:59
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-56

Matrix: Solid
Percent Solids: 91.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.8	0.47	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
4,4'-DDD	ND		1.8	0.24	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
4,4'-DDT	**0.45**	**J**	1.8	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
delta-BHC	ND		1.8	0.28	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
gamma-BHC (Lindane)	ND		1.8	0.32	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
gamma-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1
Toxaphene	ND		73	12	ug/Kg	☼	08/25/14 06:15	08/26/14 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/25/14 06:15*	*08/26/14 18:21*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/25/14 06:15*	*08/26/14 18:21*	*1*
Tetrachloro-m-xylene	*83*		*45 - 130*	*08/25/14 06:15*	*08/26/14 18:21*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/25/14 06:15*	*08/26/14 18:21*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/25/14 06:15	08/27/14 01:44	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/25/14 06:15	08/27/14 01:44	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/25/14 06:15	08/27/14 01:44	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/25/14 06:15	08/27/14 01:44	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/25/14 06:15	08/27/14 01:44	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/25/14 06:15	08/27/14 01:44	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/25/14 06:15	08/27/14 01:44	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/25/14 06:15	08/27/14 01:44	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/25/14 06:15	08/27/14 01:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 125*	*08/25/14 06:15*	*08/27/14 01:44*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 125*	*08/25/14 06:15*	*08/27/14 02:15*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*45 - 135*	*08/25/14 06:15*	*08/27/14 01:44*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*	*08/25/14 06:15*	*08/27/14 02:15*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7500**		21	2.2	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Antimony	ND		1.0	0.21	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Arsenic	**6.7**		1.0	0.32	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Barium	**56**		21	0.013	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Beryllium	**0.31**	**J**	0.42	0.012	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1

Client Sample Results

Client Sample ID: SSHS-B97-10-16 (13)

Lab Sample ID: 180-35776-56
Date Collected: 08/13/14 09:59
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 91.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.072**	**J**	0.52	0.015	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Calcium	**8600**		520	1.6	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Chromium	**11**	**B**	0.52	0.080	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Cobalt	**6.2**		5.2	0.043	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Copper	**33**		2.6	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Iron	**19000**		10	0.92	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Lead	**9.0**		1.0	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Magnesium	**4500**		520	2.1	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Manganese	**450**		1.6	0.092	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Nickel	**17**	**B**	4.2	0.049	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Potassium	**700**		520	6.6	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Selenium	**0.47**	**J**	1.0	0.28	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Silver	**0.046**	**J B**	0.52	0.042	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Sodium	**63**	**J B**	520	1.1	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Vanadium	**12**		5.2	0.18	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1
Zinc	**89**	**B**	2.1	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 08:40	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**	**J**	0.035	0.012	mg/Kg	☼	08/25/14 10:11	08/25/14 14:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.4**		0.10	0.10	%			08/15/14 12:29	1
Percent Solids	**92**		0.10	0.10	%			08/15/14 12:29	1
Cyanide, Total	**0.71**		0.55	0.16	mg/Kg	☼	08/21/14 12:25	08/21/14 13:54	1

Client Sample ID: SSHS-B29-A-SS

Lab Sample ID: 180-35776-57
Date Collected: 08/13/14 15:08
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 76.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	5.6	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Benzene	ND		5.6	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Bromoform	ND		5.6	0.49	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Bromomethane	ND		5.6	0.83	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
2-Butanone (MEK)	ND		5.6	0.99	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Carbon disulfide	ND		5.6	0.57	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Carbon tetrachloride	ND	*	5.6	0.50	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Chlorobenzene	ND		5.6	0.85	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Chlorobromomethane	ND		5.6	0.77	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Chlorodibromomethane	ND		5.6	0.79	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Chloroethane	ND	*	5.6	1.7	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Chloroform	ND		5.6	0.65	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Chloromethane	ND		5.6	0.95	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
cis-1,2-Dichloroethene	ND		5.6	0.79	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
cis-1,3-Dichloropropene	ND		5.6	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Cyclohexane	ND		5.6	0.42	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1

Client Sample Results

Client Sample ID: SSHS-B29-A-SS
Lab Sample ID: 180-35776-57
Date Collected: 08/13/14 15:08
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 76.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.6	0.84	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
1,2-Dibromoethane	ND		5.6	0.97	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
1,2-Dichlorobenzene	ND		5.6	0.89	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
1,3-Dichlorobenzene	ND		5.6	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
1,4-Dichlorobenzene	ND		5.6	0.71	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Dichlorobromomethane	ND		5.6	0.63	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Dichlorodifluoromethane	ND		5.6	0.74	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
1,1-Dichloroethane	ND		5.6	0.64	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
1,2-Dichloroethane	ND		5.6	0.69	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
1,1-Dichloroethene	ND		5.6	0.95	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
1,2-Dichloropropane	ND		5.6	0.61	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
1,4-Dioxane	ND		1100	310	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Ethylbenzene	ND		5.6	0.72	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
2-Hexanone	ND		5.6	0.77	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Isopropylbenzene	ND		5.6	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Methyl acetate	ND		5.6	1.0	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Methylcyclohexane	ND		5.6	0.81	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Methylene Chloride	ND		5.6	0.75	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.6	0.73	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Methyl tert-butyl ether	ND		5.6	0.84	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
o-Xylene	ND		5.6	0.87	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Styrene	ND		5.6	0.79	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
1,1,2,2-Tetrachloroethane	ND		5.6	0.80	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Tetrachloroethene	ND		5.6	0.76	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Toluene	ND		5.6	0.82	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
trans-1,2-Dichloroethene	ND		5.6	0.67	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
trans-1,3-Dichloropropene	ND		5.6	0.67	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
1,2,3-Trichlorobenzene	ND		5.6	0.94	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
1,2,4-Trichlorobenzene	ND		5.6	0.99	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
1,1,1-Trichloroethane	ND		5.6	0.54	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
1,1,2-Trichloroethane	ND		5.6	0.93	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Trichloroethene	ND		5.6	0.74	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Trichlorofluoromethane	ND		5.6	1.0	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.6	1.2	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1
Vinyl chloride	ND		5.6	0.53	ug/Kg	☼	08/17/14 10:00	08/17/14 22:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/17/14 10:00*	*08/17/14 22:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*63 - 120*	*08/17/14 10:00*	*08/17/14 22:42*	*1*
Dibromofluoromethane (Surr)	*99*		*68 - 121*	*08/17/14 10:00*	*08/17/14 22:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*52 - 124*	*08/17/14 10:00*	*08/17/14 22:42*	*1*
Toluene-d8 (Surr)	*101*		*72 - 127*	*08/17/14 10:00*	*08/17/14 22:42*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		88	8.4	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Acenaphthylene	ND		88	10	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1

Client Sample Results

Client Sample ID: SSHS-B29-A-SS **Lab Sample ID: 180-35776-57**
Date Collected: 08/13/14 15:08 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 76.4**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		430	36	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Anthracene	**22**	**J**	88	8.5	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Atrazine	ND		430	43	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Benzaldehyde	ND		430	65	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Benzo[a]anthracene	**83**	**J**	88	11	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Benzo[a]pyrene	**76**	**J**	88	8.7	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Benzo[b]fluoranthene	**73**	**J**	88	14	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Benzo[g,h,i]perylene	**60**	**J**	88	8.7	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Benzo[k]fluoranthene	**71**	**J**	88	18	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
1,1'-Biphenyl	ND		430	39	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Bis(2-chloroethoxy)methane	ND		430	29	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Bis(2-chloroethyl)ether	ND		88	12	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Bis(2-ethylhexyl) phthalate	**100**	**J**	880	71	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
4-Bromophenyl phenyl ether	ND		430	38	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Butyl benzyl phthalate	ND		430	60	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Caprolactam	ND		2200	330	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Carbazole	ND		88	8.1	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
4-Chloroaniline	ND		430	35	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
4-Chloro-3-methylphenol	ND		430	40	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
2-Chloronaphthalene	ND		88	9.1	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
2-Chlorophenol	ND		430	36	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
4-Chlorophenyl phenyl ether	ND		430	49	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Chrysene	**110**		88	10	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Dibenz(a,h)anthracene	ND		88	9.7	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Dibenzofuran	ND		430	43	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
3,3'-Dichlorobenzidine	ND		430	46	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
2,4-Dichlorophenol	ND		88	8.8	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Diethyl phthalate	ND		430	48	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
2,4-Dimethylphenol	ND		430	68	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Dimethyl phthalate	ND		430	48	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Di-n-butyl phthalate	ND		430	55	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
4,6-Dinitro-2-methylphenol	ND		2200	180	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
2,4-Dinitrophenol	ND		2200	520	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
2,4-Dinitrotoluene	ND		430	35	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
2,6-Dinitrotoluene	ND		430	45	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Di-n-octyl phthalate	ND		430	46	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
1,4-Dioxane	ND		880	50	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Fluoranthene	**190**		88	9.3	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Fluorene	ND		88	12	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Hexachlorobenzene	ND		88	9.3	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Hexachlorobutadiene	ND		88	9.8	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Hexachlorocyclopentadiene	ND		430	47	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Hexachloroethane	ND		430	31	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Indeno[1,2,3-cd]pyrene	**49**	**J**	88	9.0	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Isophorone	ND		430	33	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
2-Methylnaphthalene	**8.9**	**J**	88	7.9	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
2-Methylphenol	ND		430	31	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Methylphenol, 3 & 4	ND		430	43	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Naphthalene	ND		88	7.5	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1

Client Sample Results

Client Sample ID: SSHS-B29-A-SS

Lab Sample ID: 180-35776-57

Date Collected: 08/13/14 15:08
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 76.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2200	200	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
3-Nitroaniline	ND		2200	180	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
4-Nitroaniline	ND		2200	180	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Nitrobenzene	ND		880	36	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
2-Nitrophenol	ND		430	48	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
4-Nitrophenol	ND		2200	160	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
N-Nitrosodi-n-propylamine	ND		88	10	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
N-Nitrosodiphenylamine	ND		430	40	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
2,2'-oxybis[1-chloropropane]	ND		88	9.4	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Pentachlorophenol	ND		430	39	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Phenanthrene	**100**		88	14	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Phenol	ND		88	10	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
Pyrene	**170**		88	8.8	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
1,2,4,5-Tetrachlorobenzene	ND		430	33	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
2,3,4,6-Tetrachlorophenol	ND		430	28	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
2,4,5-Trichlorophenol	ND		430	47	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1
2,4,6-Trichlorophenol	ND		430	65	ug/Kg	☼	08/25/14 17:20	08/26/14 15:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Straight Chain Alkane	*300*	*T J*	*ug/Kg*	☼	*15.28*		*08/25/14 17:20*	*08/26/14 15:07*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*16.14*		*08/25/14 17:20*	*08/26/14 15:07*	*1*
Unknown	*3400*	*T J*	*ug/Kg*	☼	*16.29*		*08/25/14 17:20*	*08/26/14 15:07*	*1*
Unknown Straight Chain Alkane	*460*	*T J*	*ug/Kg*	☼	*16.71*		*08/25/14 17:20*	*08/26/14 15:07*	*1*
Unknown	*3300*	*T J*	*ug/Kg*	☼	*16.75*		*08/25/14 17:20*	*08/26/14 15:07*	*1*
Unknown	*1700*	*T J*	*ug/Kg*	☼	*17.78*		*08/25/14 17:20*	*08/26/14 15:07*	*1*
Unknown Straight Chain Alkane	*1600*	*T J*	*ug/Kg*	☼	*18.18*		*08/25/14 17:20*	*08/26/14 15:07*	*1*
Unknown	*730*	*T J*	*ug/Kg*	☼	*18.25*		*08/25/14 17:20*	*08/26/14 15:07*	*1*
Unknown	*2100*	*T J*	*ug/Kg*	☼	*19.34*		*08/25/14 17:20*	*08/26/14 15:07*	*1*
Unknown Straight Chain Alkane	*1000*	*T J*	*ug/Kg*	☼	*19.77*		*08/25/14 17:20*	*08/26/14 15:07*	*1*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*19.89*		*08/25/14 17:20*	*08/26/14 15:07*	*1*
Unknown	*700*	*T J*	*ug/Kg*	☼	*20.42*		*08/25/14 17:20*	*08/26/14 15:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*08/25/14 17:20*	*08/26/14 15:07*	*1*
2-Fluorophenol (Surr)	*63*		*39 - 103*	*08/25/14 17:20*	*08/26/14 15:07*	*1*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/25/14 17:20*	*08/26/14 15:07*	*1*
Phenol-d5 (Surr)	*63*		*25 - 105*	*08/25/14 17:20*	*08/26/14 15:07*	*1*
Terphenyl-d14 (Surr)	*59*		*25 - 127*	*08/25/14 17:20*	*08/26/14 15:07*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 124*	*08/25/14 17:20*	*08/26/14 15:07*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.2	0.39	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
alpha-BHC	**0.50**	**J**	2.2	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
alpha-Chlordane	**0.46**	**J p**	2.2	0.43	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
beta-BHC	**0.58**	**J p**	2.2	0.56	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
4,4'-DDD	**1.0**	**J p**	2.2	0.28	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
4,4'-DDE	ND		2.2	0.33	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
4,4'-DDT	**21**		2.2	0.32	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
delta-BHC	**1.7**	**J**	2.2	0.33	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1

Client Sample ID: SSHS-B29-A-SS

Lab Sample ID: 180-35776-57

Date Collected: 08/13/14 15:08
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 76.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	**3.1**		2.2	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
Endosulfan I	**1.2**	**J**	2.2	0.41	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
Endosulfan II	**0.81**	**J p**	2.2	0.38	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
Endosulfan sulfate	**2.0**	**J p**	2.2	0.23	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
Endrin	**11**	**p**	2.2	0.42	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
Endrin aldehyde	ND		2.2	0.42	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
Endrin ketone	**2.9**	**p**	2.2	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
gamma-BHC (Lindane)	ND		2.2	0.38	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
gamma-Chlordane	**16**		2.2	0.43	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
Heptachlor	**1.2**	**J p**	2.2	0.48	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
Heptachlor epoxide	**17**		2.2	0.42	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
Methoxychlor	**7.6**	**p**	4.3	0.45	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1
Toxaphene	ND		87	14	ug/Kg	☼	08/25/14 06:15	08/26/14 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/25/14 06:15*	*08/26/14 18:37*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/25/14 06:15*	*08/26/14 18:37*	*1*
Tetrachloro-m-xylene	*77*		*45 - 130*	*08/25/14 06:15*	*08/26/14 18:37*	*1*
Tetrachloro-m-xylene	*73*		*45 - 130*	*08/25/14 06:15*	*08/26/14 18:37*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		22	3.2	ug/Kg	☼	08/25/14 06:15	08/27/14 02:15	1
PCB-1221	ND		22	4.1	ug/Kg	☼	08/25/14 06:15	08/27/14 02:15	1
PCB-1232	ND		22	3.7	ug/Kg	☼	08/25/14 06:15	08/27/14 02:15	1
PCB-1242	ND		22	3.5	ug/Kg	☼	08/25/14 06:15	08/27/14 02:15	1
PCB-1248	**900**		22	2.1	ug/Kg	☼	08/25/14 06:15	08/27/14 02:15	1
PCB-1254	ND		22	3.1	ug/Kg	☼	08/25/14 06:15	08/27/14 02:15	1
PCB-1260	**140**		22	3.1	ug/Kg	☼	08/25/14 06:15	08/27/14 02:46	1
PCB-1262	ND		22	4.7	ug/Kg	☼	08/25/14 06:15	08/27/14 02:15	1
PCB-1268	ND		22	2.8	ug/Kg	☼	08/25/14 06:15	08/27/14 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 125*	*08/25/14 06:15*	*08/27/14 02:15*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 125*	*08/25/14 06:15*	*08/27/14 02:46*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*45 - 135*	*08/25/14 06:15*	*08/27/14 02:15*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*	*08/25/14 06:15*	*08/27/14 02:46*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		24	2.5	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Antimony	ND		1.2	0.24	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Arsenic	**8.3**		1.2	0.37	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Barium	**120**		24	0.016	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Beryllium	**0.52**		0.49	0.014	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Cadmium	**0.18**	**J**	0.61	0.017	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Calcium	**3000**		610	1.8	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Chromium	**14**	**B**	0.61	0.094	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Cobalt	**8.9**		6.1	0.051	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Copper	**23**		3.0	0.17	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: SSHS-B29-A-SS

Date Collected: 08/13/14 15:08
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-57
Matrix: Solid
Percent Solids: 76.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**21000**		12	1.1	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Lead	**28**		1.2	0.12	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Magnesium	**2900**		610	2.5	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Manganese	**510**		1.8	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Nickel	**32**	**B**	4.9	0.058	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Potassium	**1100**		610	7.7	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Selenium	**0.79**	**J**	1.2	0.32	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Silver	ND		0.61	0.049	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Sodium	**49**	**J B**	610	1.3	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Thallium	ND		2.4	0.18	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Vanadium	**14**		6.1	0.21	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1
Zinc	**69**	**B**	2.4	0.13	mg/Kg	☼	08/26/14 09:01	08/28/14 08:46	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.093**		0.042	0.014	mg/Kg	☼	08/25/14 10:11	08/25/14 14:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**24**		0.10	0.10	%			08/15/14 12:29	1
Percent Solids	**76**		0.10	0.10	%			08/15/14 12:29	1
Cyanide, Total	**0.21**	**J**	0.64	0.19	mg/Kg	☼	08/21/14 12:25	08/21/14 13:54	1

Client Sample ID: SSHS-B29-A-0.17-2 (1.5)

Date Collected: 08/13/14 15:09
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-58
Matrix: Solid
Percent Solids: 91.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.5	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Benzene	ND		4.5	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Bromoform	ND		4.5	0.40	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Bromomethane	ND		4.5	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
2-Butanone (MEK)	ND		4.5	0.79	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Carbon disulfide	ND		4.5	0.46	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Carbon tetrachloride	ND		4.5	0.40	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Chlorobenzene	ND		4.5	0.68	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Chlorobromomethane	ND		4.5	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Chlorodibromomethane	ND		4.5	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Chloroethane	ND		4.5	1.4	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Chloroform	ND		4.5	0.53	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Chloromethane	ND		4.5	0.77	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
cis-1,2-Dichloroethene	ND		4.5	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
cis-1,3-Dichloropropene	ND		4.5	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Cyclohexane	ND		4.5	0.33	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
1,2-Dibromo-3-Chloropropane	ND		4.5	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
1,2-Dibromoethane	ND		4.5	0.78	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
1,2-Dichlorobenzene	ND		4.5	0.72	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
1,3-Dichlorobenzene	ND		4.5	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
1,4-Dichlorobenzene	ND		4.5	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1

Client Sample Results

Client Sample ID: SSHS-B29-A-0.17-2 (1.5)
Date Collected: 08/13/14 15:09
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-58
Matrix: Solid
Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		4.5	0.51	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Dichlorodifluoromethane	ND		4.5	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
1,1-Dichloroethane	ND		4.5	0.52	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
1,2-Dichloroethane	ND		4.5	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
1,1-Dichloroethene	ND		4.5	0.76	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
1,2-Dichloropropane	ND		4.5	0.49	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
1,4-Dioxane	ND		900	250	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Ethylbenzene	ND		4.5	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
2-Hexanone	ND		4.5	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Isopropylbenzene	ND		4.5	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Methyl acetate	ND		4.5	0.81	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Methylcyclohexane	ND		4.5	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Methylene Chloride	ND		4.5	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
4-Methyl-2-pentanone (MIBK)	ND		4.5	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Methyl tert-butyl ether	ND		4.5	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
m-Xylene & p-Xylene	ND		9.0	1.3	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
o-Xylene	ND		4.5	0.70	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Styrene	ND		4.5	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
1,1,2,2-Tetrachloroethane	ND		4.5	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Tetrachloroethene	ND		4.5	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Toluene	ND		4.5	0.66	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
trans-1,2-Dichloroethene	ND		4.5	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
1,2,3-Trichlorobenzene	ND		4.5	0.76	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
1,2,4-Trichlorobenzene	ND		4.5	0.79	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
1,1,1-Trichloroethane	ND		4.5	0.44	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
1,1,2-Trichloroethane	ND		4.5	0.75	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Trichloroethene	**1.4**	**J**	4.5	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Trichlorofluoromethane	ND		4.5	0.83	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	0.96	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1
Vinyl chloride	ND		4.5	0.42	ug/Kg	☼	08/18/14 04:22	08/18/14 10:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/18/14 04:22*	*08/18/14 10:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/18/14 04:22*	*08/18/14 10:32*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/18/14 04:22*	*08/18/14 10:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*52 - 124*	*08/18/14 04:22*	*08/18/14 10:32*	*1*
Toluene-d8 (Surr)	*104*		*72 - 127*	*08/18/14 04:22*	*08/18/14 10:32*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Acenaphthylene	ND		73	8.4	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Acetophenone	ND		360	30	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Anthracene	**10**	**J**	73	7.1	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Atrazine	ND		360	36	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Benzo[a]anthracene	**45**	**J**	73	9.1	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: SSHS-B29-A-0.17-2 (1.5)
Date Collected: 08/13/14 15:09
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-58
Matrix: Solid
Percent Solids: 91.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**38**	**J**	73	7.3	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Benzo[b]fluoranthene	**58**	**J**	73	11	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Benzo[g,h,i]perylene	**30**	**J**	73	7.3	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Benzo[k]fluoranthene	**15**	**J**	73	15	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Bis(2-chloroethyl)ether	ND		73	9.8	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Carbazole	ND		73	6.7	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Chrysene	**47**	**J**	73	8.7	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Dibenz(a,h)anthracene	ND		73	8.1	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
2,4-Dinitrophenol	ND		1900	430	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Fluoranthene	**61**	**J**	73	7.8	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Fluorene	ND		73	9.6	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Hexachlorobenzene	ND		73	7.8	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Hexachlorobutadiene	ND		73	8.2	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Indeno[1,2,3-cd]pyrene	**26**	**J**	73	7.5	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Isophorone	ND		360	28	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
2-Methylnaphthalene	**20**	**J**	73	6.6	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Naphthalene	**17**	**J**	73	6.3	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1

Client Sample Results

Client Sample ID: SSHS-B29-A-0.17-2 (1.5)

Lab Sample ID: 180-35776-58

Date Collected: 08/13/14 15:09

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 91.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
N-Nitrosodi-n-propylamine	ND		73	8.6	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
2,2'-oxybis[1-chloropropane]	ND		73	7.9	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Phenanthrene	**44**	**J**	73	12	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Phenol	ND		73	8.6	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
Pyrene	**60**	**J**	73	7.4	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/25/14 17:20	08/26/14 15:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/25/14 17:20*	*08/26/14 15:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*52*		*35 - 105*	*08/25/14 17:20*	*08/26/14 15:35*	*1*
2-Fluorophenol (Surr)	*45*		*39 - 103*	*08/25/14 17:20*	*08/26/14 15:35*	*1*
Nitrobenzene-d5 (Surr)	*52*		*25 - 104*	*08/25/14 17:20*	*08/26/14 15:35*	*1*
Phenol-d5 (Surr)	*48*		*25 - 105*	*08/25/14 17:20*	*08/26/14 15:35*	*1*
Terphenyl-d14 (Surr)	*50*		*25 - 127*	*08/25/14 17:20*	*08/26/14 15:35*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*35 - 124*	*08/25/14 17:20*	*08/26/14 15:35*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**5.9**	**p**	1.9	0.33	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
alpha-Chlordane	**1.2**	**J p**	1.9	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
beta-BHC	ND		1.9	0.47	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
4,4'-DDD	**2.0**	**p**	1.9	0.24	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
4,4'-DDT	**60**		1.9	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
Dieldrin	**5.6**		1.9	0.30	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
Endosulfan I	**4.7**		1.9	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
Endosulfan II	**1.8**	**J p**	1.9	0.32	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
Endosulfan sulfate	**7.1**	**p**	1.9	0.19	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
Endrin	**30**	**p**	1.9	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
Endrin aldehyde	**2.6**	**p**	1.9	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
Endrin ketone	ND		1.9	0.28	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
gamma-Chlordane	**23**	**p**	1.9	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
Heptachlor	**1.9**	**p**	1.9	0.41	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
Heptachlor epoxide	**39**	**p**	1.9	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
Methoxychlor	**20**	**p**	3.6	0.38	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1
Toxaphene	ND		73	12	ug/Kg	☼	08/25/14 06:15	08/26/14 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/25/14 06:15*	*08/26/14 18:52*	*1*

Client Sample ID: SSHS-B29-A-0.17-2 (1.5) **Lab Sample ID: 180-35776-58**

Date Collected: 08/13/14 15:09 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 91.4**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*08/25/14 06:15*	*08/26/14 18:52*	*1*
Tetrachloro-m-xylene	*87*		*45 - 130*	*08/25/14 06:15*	*08/26/14 18:52*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/25/14 06:15*	*08/26/14 18:52*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/25/14 06:15	08/27/14 03:18	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/25/14 06:15	08/27/14 03:18	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/25/14 06:15	08/27/14 03:18	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/25/14 06:15	08/27/14 03:18	1
PCB-1248	**2700**		18	1.7	ug/Kg	☼	08/25/14 06:15	08/27/14 03:18	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/25/14 06:15	08/27/14 03:18	1
PCB-1260	**400**		18	2.6	ug/Kg	☼	08/25/14 06:15	08/27/14 03:18	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/25/14 06:15	08/27/14 03:18	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/25/14 06:15	08/27/14 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/25/14 06:15*	*08/27/14 02:46*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/25/14 06:15*	*08/27/14 03:18*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*	*08/25/14 06:15*	*08/27/14 02:46*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*45 - 135*	*08/25/14 06:15*	*08/27/14 03:18*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7900**		21	2.2	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Antimony	ND		1.1	0.21	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Arsenic	**8.2**		1.1	0.32	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Barium	**97**		21	0.013	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Beryllium	**0.39**	**J**	0.42	0.012	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Cadmium	**0.12**	**J**	0.53	0.015	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Calcium	**10000**		530	1.6	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Chromium	**14**	**B**	0.53	0.081	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Cobalt	**7.2**		5.3	0.044	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Copper	**61**		2.6	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Iron	**19000**		11	0.93	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Lead	**56**		1.1	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Magnesium	**4200**		530	2.2	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Manganese	**460**		1.6	0.094	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Nickel	**82**	**B**	4.2	0.050	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Potassium	**700**		530	6.7	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Selenium	**0.37**	**J**	1.1	0.28	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Silver	ND		0.53	0.042	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Sodium	**56**	**J B**	530	1.1	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Vanadium	**13**		5.3	0.18	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1
Zinc	**75**	**B**	2.1	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 08:51	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**	**J**	0.035	0.012	mg/Kg	☼	08/25/14 10:11	08/25/14 14:11	1

Client Sample ID: SSHS-B29-A-0.17-2 (1.5) Lab Sample ID: 180-35776-58

Date Collected: 08/13/14 15:09 **Matrix: Solid**
Date Received: 08/14/14 13:08

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.6**		0.10	0.10	%			08/15/14 12:29	1
Percent Solids	**91**		0.10	0.10	%			08/15/14 12:29	1
Cyanide, Total	**1.9**		0.53	0.16	mg/Kg	☼	08/21/14 12:25	08/21/14 13:54	1

Client Sample ID: SSHS-B29-A-2-6 (4.5) Lab Sample ID: 180-35776-59

Date Collected: 08/13/14 15:34 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 93.4**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.2	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Benzene	ND		4.2	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Bromoform	ND		4.2	0.37	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Bromomethane	ND		4.2	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
2-Butanone (MEK)	ND		4.2	0.75	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Carbon disulfide	ND		4.2	0.43	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Carbon tetrachloride	ND		4.2	0.38	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Chlorobenzene	ND		4.2	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Chlorobromomethane	ND		4.2	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Chlorodibromomethane	ND		4.2	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Chloroethane	ND		4.2	1.3	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Chloroform	ND		4.2	0.50	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Chloromethane	ND		4.2	0.72	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
cis-1,2-Dichloroethene	ND		4.2	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
cis-1,3-Dichloropropene	ND		4.2	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Cyclohexane	ND		4.2	0.31	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
1,2-Dibromo-3-Chloropropane	ND		4.2	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
1,2-Dibromoethane	ND		4.2	0.73	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
1,2-Dichlorobenzene	ND		4.2	0.68	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
1,3-Dichlorobenzene	ND		4.2	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
1,4-Dichlorobenzene	ND		4.2	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Dichlorobromomethane	ND		4.2	0.48	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Dichlorodifluoromethane	ND		4.2	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
1,1-Dichloroethane	ND		4.2	0.49	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
1,2-Dichloroethane	ND		4.2	0.52	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
1,1-Dichloroethene	ND		4.2	0.72	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
1,2-Dichloropropane	ND		4.2	0.46	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
1,4-Dioxane	ND		850	230	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Ethylbenzene	ND		4.2	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
2-Hexanone	ND		4.2	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Isopropylbenzene	ND		4.2	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Methyl acetate	ND		4.2	0.76	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Methylcyclohexane	ND		4.2	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Methylene Chloride	ND		4.2	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Methyl tert-butyl ether	ND		4.2	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
m-Xylene & p-Xylene	ND		8.5	1.2	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
o-Xylene	ND		4.2	0.66	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Styrene	ND		4.2	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B29-A-2-6 (4.5)
Date Collected: 08/13/14 15:34
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-59
Matrix: Solid
Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		4.2	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Toluene	ND		4.2	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
trans-1,2-Dichloroethene	ND		4.2	0.50	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
trans-1,3-Dichloropropene	ND		4.2	0.51	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
1,2,3-Trichlorobenzene	ND		4.2	0.72	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
1,2,4-Trichlorobenzene	ND		4.2	0.75	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
1,1,1-Trichloroethane	ND		4.2	0.41	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
1,1,2-Trichloroethane	ND		4.2	0.70	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Trichloroethene	ND		4.2	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Trichlorofluoromethane	ND		4.2	0.78	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.90	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1
Vinyl chloride	ND		4.2	0.40	ug/Kg	☼	08/18/14 04:22	08/18/14 10:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/18/14 04:22*	*08/18/14 10:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/18/14 04:22*	*08/18/14 10:54*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*08/18/14 04:22*	*08/18/14 10:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*52 - 124*	*08/18/14 04:22*	*08/18/14 10:54*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/18/14 04:22*	*08/18/14 10:54*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	6.9	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Acenaphthylene	ND		72	8.2	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Acetophenone	ND		350	29	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Anthracene	ND		72	7.0	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Atrazine	ND		350	35	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Benzaldehyde	ND		350	54	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Benzo[a]anthracene	**17**	**J**	72	9.0	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Benzo[a]pyrene	ND		72	7.1	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Benzo[b]fluoranthene	ND		72	11	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Benzo[g,h,i]perylene	ND		72	7.1	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Benzo[k]fluoranthene	ND		72	14	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Bis(2-chloroethoxy)methane	ND		350	24	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Bis(2-chloroethyl)ether	ND		72	9.6	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Butyl benzyl phthalate	ND		350	49	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Carbazole	ND		72	6.6	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
4-Chloroaniline	ND		350	29	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
2-Chloronaphthalene	ND		72	7.5	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
4-Chlorophenyl phenyl ether	ND		350	40	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Chrysene	**18**	**J**	72	8.5	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Dibenz(a,h)anthracene	ND		72	7.9	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1

Client Sample ID: SSHS-B29-A-2-6 (4.5) **Lab Sample ID: 180-35776-59**
Date Collected: 08/13/14 15:34 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 93.4**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		350	35	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
3,3'-Dichlorobenzidine	ND		350	38	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
2,4-Dimethylphenol	ND		350	56	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Di-n-butyl phthalate	ND		350	45	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Di-n-octyl phthalate	ND		350	38	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Fluoranthene	**32**	**J**	72	7.6	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Fluorene	ND		72	9.4	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Hexachlorobenzene	ND		72	7.6	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Hexachlorocyclopentadiene	ND		350	39	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Hexachloroethane	ND		350	26	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Indeno[1,2,3-cd]pyrene	ND		72	7.4	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Isophorone	ND		350	27	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
2-Methylnaphthalene	ND		72	6.4	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Naphthalene	ND		72	6.2	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
2,2'-oxybis[1-chloropropane]	ND		72	7.7	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Phenanthrene	**26**	**J**	72	11	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Phenol	ND		72	8.4	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
Pyrene	**32**	**J**	72	7.2	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/25/14 17:20	08/26/14 16:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*150*	*T J*	*ug/Kg*	☼	*13.16*		*08/25/14 17:20*	*08/26/14 16:04*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*18.44*		*08/25/14 17:20*	*08/26/14 16:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 105*	*08/25/14 17:20*	*08/26/14 16:04*	*1*
2-Fluorophenol (Surr)	*62*		*39 - 103*	*08/25/14 17:20*	*08/26/14 16:04*	*1*

Client Sample ID: SSHS-B29-A-2-6 (4.5)
Lab Sample ID: 180-35776-59
Date Collected: 08/13/14 15:34
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 93.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/25/14 17:20*	*08/26/14 16:04*	*1*
Phenol-d5 (Surr)	*66*		*25 - 105*	*08/25/14 17:20*	*08/26/14 16:04*	*1*
Terphenyl-d14 (Surr)	*61*		*25 - 127*	*08/25/14 17:20*	*08/26/14 16:04*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 124*	*08/25/14 17:20*	*08/26/14 16:04*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
alpha-Chlordane	**1.3**	**J p**	1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
4,4'-DDT	**31**		1.8	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
Dieldrin	**2.1**	**p**	1.8	0.30	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
Endosulfan I	**3.4**		1.8	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
Endosulfan II	**0.90**	**J p**	1.8	0.32	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
Endosulfan sulfate	**5.9**		1.8	0.19	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
Endrin	**16**	**p**	1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
Endrin aldehyde	**2.0**	**p**	1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
Endrin ketone	**4.4**	**p**	1.8	0.28	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
gamma-Chlordane	**25**	**p**	1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
Heptachlor	**1.1**	**J p**	1.8	0.40	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
Heptachlor epoxide	**15**	**p**	1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
Methoxychlor	**1.3**	**J p**	3.5	0.37	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1
Toxaphene	ND		72	12	ug/Kg	☼	08/25/14 06:15	08/26/14 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/25/14 06:15*	*08/26/14 19:08*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 130*	*08/25/14 06:15*	*08/26/14 19:08*	*1*
Tetrachloro-m-xylene	*84*		*45 - 130*	*08/25/14 06:15*	*08/26/14 19:08*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/25/14 06:15*	*08/26/14 19:08*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/25/14 06:15	08/27/14 03:18	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/25/14 06:15	08/27/14 03:18	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/25/14 06:15	08/27/14 03:18	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/25/14 06:15	08/27/14 03:18	1
PCB-1248	**1200**		18	1.7	ug/Kg	☼	08/25/14 06:15	08/27/14 03:18	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/25/14 06:15	08/27/14 03:18	1
PCB-1260	**230**		18	2.5	ug/Kg	☼	08/25/14 06:15	08/27/14 03:49	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/25/14 06:15	08/27/14 03:18	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/25/14 06:15	08/27/14 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 125*	*08/25/14 06:15*	*08/27/14 03:18*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/25/14 06:15*	*08/27/14 03:49*	*1*

Client Sample ID: SSHS-B29-A-2-6 (4.5)

Lab Sample ID: 180-35776-59
Date Collected: 08/13/14 15:34
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 93.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*74*		*45 - 135*	*08/25/14 06:15*	*08/27/14 03:18*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*	*08/25/14 06:15*	*08/27/14 03:49*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7100**		21	2.2	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Antimony	ND		1.0	0.21	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Arsenic	**7.3**		1.0	0.32	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Barium	**54**		21	0.013	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Beryllium	**0.29**	**J**	0.42	0.012	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Cadmium	**0.047**	**J**	0.52	0.015	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Calcium	**17000**		520	1.6	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Chromium	**10**	**B**	0.52	0.080	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Cobalt	**6.1**		5.2	0.043	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Copper	**18**		2.6	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Iron	**16000**		10	0.92	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Lead	**10**		1.0	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Magnesium	**3500**		520	2.1	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Manganese	**290**		1.6	0.092	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Nickel	**100**	**B**	4.2	0.049	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Potassium	**590**		520	6.6	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Selenium	**0.45**	**J**	1.0	0.28	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Sodium	**52**	**J B**	520	1.1	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Vanadium	**10**		5.2	0.18	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1
Zinc	**52**	**B**	2.1	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 08:56	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.020**	**J**	0.034	0.011	mg/Kg	☼	08/25/14 10:13	08/25/14 14:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.6**		0.10	0.10	%			08/15/14 12:29	1
Percent Solids	**93**		0.10	0.10	%			08/15/14 12:29	1
Cyanide, Total	**0.23**	**J**	0.51	0.15	mg/Kg	☼	08/21/14 12:25	08/21/14 13:54	1

Client Sample ID: SSHS-B29-A-8-10 (8.5)

Lab Sample ID: 180-35776-60
Date Collected: 08/13/14 15:47
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 94.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.1	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Benzene	ND		5.1	0.68	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Bromoform	ND		5.1	0.45	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Bromomethane	ND		5.1	0.75	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
2-Butanone (MEK)	ND		5.1	0.89	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Carbon disulfide	ND		5.1	0.52	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1

Client Sample ID: SSHS-B29-A-8-10 (8.5)
Lab Sample ID: 180-35776-60
Date Collected: 08/13/14 15:47
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 94.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.1	0.45	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Chlorobenzene	ND		5.1	0.77	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Chlorobromomethane	ND		5.1	0.70	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Chlorodibromomethane	ND		5.1	0.72	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Chloroethane	ND		5.1	1.6	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Chloroform	ND		5.1	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Chloromethane	ND		5.1	0.86	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
cis-1,2-Dichloroethene	ND		5.1	0.71	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
cis-1,3-Dichloropropene	ND		5.1	0.69	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Cyclohexane	ND		5.1	0.38	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
1,2-Dibromo-3-Chloropropane	ND		5.1	0.76	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
1,2-Dibromoethane	ND		5.1	0.87	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
1,2-Dichlorobenzene	ND		5.1	0.81	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
1,3-Dichlorobenzene	ND		5.1	0.66	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
1,4-Dichlorobenzene	ND		5.1	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Dichlorobromomethane	ND		5.1	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Dichlorodifluoromethane	ND		5.1	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
1,1-Dichloroethane	ND		5.1	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
1,2-Dichloroethane	ND		5.1	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
1,1-Dichloroethene	ND		5.1	0.86	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
1,2-Dichloropropane	ND		5.1	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
1,4-Dioxane	ND		1000	280	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Ethylbenzene	ND		5.1	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
2-Hexanone	ND		5.1	0.70	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Isopropylbenzene	ND		5.1	0.69	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Methyl acetate	ND		5.1	0.91	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Methylcyclohexane	ND		5.1	0.73	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Methylene Chloride	ND		5.1	0.68	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	0.66	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Methyl tert-butyl ether	ND		5.1	0.76	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
o-Xylene	ND		5.1	0.79	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Styrene	ND		5.1	0.71	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
1,1,2,2-Tetrachloroethane	ND		5.1	0.73	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Tetrachloroethene	ND		5.1	0.69	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Toluene	ND		5.1	0.74	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
trans-1,2-Dichloroethene	ND		5.1	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
trans-1,3-Dichloropropene	ND		5.1	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
1,2,3-Trichlorobenzene	ND		5.1	0.85	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
1,2,4-Trichlorobenzene	ND		5.1	0.89	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
1,1,1-Trichloroethane	ND		5.1	0.49	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
1,1,2-Trichloroethane	ND		5.1	0.84	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Trichloroethene	ND		5.1	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Trichlorofluoromethane	ND		5.1	0.93	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	1.1	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1
Vinyl chloride	ND		5.1	0.47	ug/Kg	☼	08/18/14 04:22	08/18/14 11:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/18/14 04:22*	*08/18/14 11:39*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: SSHS-B29-A-8-10 (8.5)

Date Collected: 08/13/14 15:47
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-60

Matrix: Solid
Percent Solids: 94.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*63 - 120*	*08/18/14 04:22*	*08/18/14 11:39*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*08/18/14 04:22*	*08/18/14 11:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*52 - 124*	*08/18/14 04:22*	*08/18/14 11:39*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/18/14 04:22*	*08/18/14 11:39*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	6.7	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Acenaphthylene	ND		70	7.9	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Acetophenone	ND		340	29	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Anthracene	**8.6**	**J**	70	6.8	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Atrazine	ND		340	34	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Benzaldehyde	ND		340	52	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Benzo[a]anthracene	**23**	**J**	70	8.7	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Benzo[a]pyrene	ND		70	6.9	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Benzo[b]fluoranthene	ND		70	11	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Benzo[g,h,i]perylene	ND		70	6.9	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Benzo[k]fluoranthene	ND		70	14	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
1,1'-Biphenyl	ND		340	31	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Bis(2-chloroethoxy)methane	ND		340	23	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Bis(2-chloroethyl)ether	ND		70	9.3	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Bis(2-ethylhexyl) phthalate	ND		700	56	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
4-Bromophenyl phenyl ether	ND		340	30	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Butyl benzyl phthalate	ND		340	47	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Caprolactam	ND		1800	260	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Carbazole	ND		70	6.4	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
4-Chloroaniline	ND		340	28	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
4-Chloro-3-methylphenol	ND		340	32	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
2-Chloronaphthalene	ND		70	7.2	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
2-Chlorophenol	ND		340	28	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
4-Chlorophenyl phenyl ether	ND		340	39	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Chrysene	**19**	**J**	70	8.3	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Dibenz(a,h)anthracene	ND		70	7.7	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Dibenzofuran	ND		340	34	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
3,3'-Dichlorobenzidine	ND		340	37	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
2,4-Dichlorophenol	ND		70	7.0	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Diethyl phthalate	ND		340	38	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
2,4-Dimethylphenol	ND		340	54	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Dimethyl phthalate	ND		340	38	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Di-n-butyl phthalate	ND		340	43	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
2,4-Dinitrophenol	ND		1800	410	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
2,4-Dinitrotoluene	ND		340	28	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
2,6-Dinitrotoluene	ND		340	36	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Di-n-octyl phthalate	ND		340	37	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
1,4-Dioxane	ND		700	40	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Fluoranthene	**40**	**J**	70	7.4	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Fluorene	ND		70	9.1	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Hexachlorobenzene	ND		70	7.4	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Hexachlorobutadiene	ND		70	7.8	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1

Client Sample ID: SSHS-B29-A-8-10 (8.5)
Lab Sample ID: 180-35776-60
Date Collected: 08/13/14 15:47
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 94.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		340	37	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Hexachloroethane	ND		340	25	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Indeno[1,2,3-cd]pyrene	ND		70	7.1	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Isophorone	ND		340	26	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
2-Methylnaphthalene	ND		70	6.2	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
2-Methylphenol	ND		340	24	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Methylphenol, 3 & 4	ND		340	34	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Naphthalene	ND		70	6.0	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
3-Nitroaniline	ND		1800	140	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Nitrobenzene	ND		700	29	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
2-Nitrophenol	ND		340	38	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
N-Nitrosodi-n-propylamine	ND		70	8.1	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
N-Nitrosodiphenylamine	ND		340	32	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
2,2'-oxybis[1-chloropropane]	ND		70	7.5	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Pentachlorophenol	ND		340	31	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Phenanthrene	**41**	**J**	70	11	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Phenol	ND		70	8.2	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
Pyrene	**36**	**J**	70	7.0	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
1,2,4,5-Tetrachlorobenzene	ND		340	26	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
2,3,4,6-Tetrachlorophenol	ND		340	22	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
2,4,5-Trichlorophenol	ND		340	37	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1
2,4,6-Trichlorophenol	ND		340	52	ug/Kg	☼	08/25/14 17:20	08/26/14 16:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*380*	*T J*	*ug/Kg*	☼	*13.18*		*08/25/14 17:20*	*08/26/14 16:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 105*	*08/25/14 17:20*	*08/26/14 16:33*	*1*
2-Fluorophenol (Surr)	*66*		*39 - 103*	*08/25/14 17:20*	*08/26/14 16:33*	*1*
Nitrobenzene-d5 (Surr)	*67*		*25 - 104*	*08/25/14 17:20*	*08/26/14 16:33*	*1*
Phenol-d5 (Surr)	*68*		*25 - 105*	*08/25/14 17:20*	*08/26/14 16:33*	*1*
Terphenyl-d14 (Surr)	*73*		*25 - 127*	*08/25/14 17:20*	*08/26/14 16:33*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*35 - 124*	*08/25/14 17:20*	*08/26/14 16:33*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
alpha-Chlordane	**0.63**	**J p**	1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
4,4'-DDD	**1.1**	**J p**	1.8	0.23	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
4,4'-DDT	**9.7**		1.8	0.26	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
delta-BHC	**1.9**		1.8	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
Endosulfan I	**1.2**	**J**	1.8	0.33	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1

Client Sample ID: SSHS-B29-A-8-10 (8.5) **Lab Sample ID: 180-35776-60**

Date Collected: 08/13/14 15:47 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 94.3**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	**1.3**	**J p**	1.8	0.18	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
Endrin	**5.1**	**p**	1.8	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
Endrin aldehyde	**0.55**	**J p**	1.8	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
Endrin ketone	**1.5**	**J p**	1.8	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
gamma-Chlordane	**4.8**	**p**	1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
Heptachlor epoxide	**5.4**	**p**	1.8	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1
Toxaphene	ND		71	12	ug/Kg	☼	08/25/14 06:15	08/26/14 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*	*08/25/14 06:15*	*08/26/14 19:23*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*08/25/14 06:15*	*08/26/14 19:23*	*1*
Tetrachloro-m-xylene	*92*		*45 - 130*	*08/25/14 06:15*	*08/26/14 19:23*	*1*
Tetrachloro-m-xylene	*87*		*45 - 130*	*08/25/14 06:15*	*08/26/14 19:23*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/25/14 06:15	08/27/14 04:20	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/25/14 06:15	08/27/14 04:20	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/25/14 06:15	08/27/14 04:20	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/25/14 06:15	08/27/14 04:20	1
PCB-1248	**530**		18	1.7	ug/Kg	☼	08/25/14 06:15	08/27/14 04:20	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/25/14 06:15	08/27/14 04:20	1
PCB-1260	**75**		18	2.5	ug/Kg	☼	08/25/14 06:15	08/27/14 04:20	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/25/14 06:15	08/27/14 04:20	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/25/14 06:15	08/27/14 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/25/14 06:15*	*08/27/14 03:49*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/25/14 06:15*	*08/27/14 04:20*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*45 - 135*	*08/25/14 06:15*	*08/27/14 03:49*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*	*08/25/14 06:15*	*08/27/14 04:20*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5100**		21	2.2	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Antimony	ND		1.1	0.21	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Arsenic	**8.3**		1.1	0.33	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Barium	**56**		21	0.014	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Beryllium	**0.22**	**J**	0.43	0.012	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Cadmium	**0.072**	**J**	0.54	0.015	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Calcium	**49000**		540	1.6	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Chromium	**9.1**	**B**	0.54	0.083	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Cobalt	**4.8**	**J**	5.4	0.045	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Copper	**30**		2.7	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Iron	**14000**		11	0.95	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Lead	**7.6**		1.1	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Magnesium	**11000**		540	2.2	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1

Client Sample Results

Client Sample ID: SSHS-B29-A-8-10 (8.5)

Lab Sample ID: 180-35776-60

Date Collected: 08/13/14 15:47
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 94.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**370**		1.6	0.095	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Nickel	**31**	**B**	4.3	0.051	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Potassium	**680**		540	6.8	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Selenium	**0.45**	**J**	1.1	0.29	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Silver	ND		0.54	0.043	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Sodium	**82**	**J B**	540	1.1	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Thallium	ND		2.1	0.16	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Vanadium	**11**		5.4	0.19	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1
Zinc	**53**	**B**	2.1	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 09:01	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.011	mg/Kg	☼	08/25/14 10:13	08/25/14 14:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.7**		0.10	0.10	%			08/15/14 12:29	1
Percent Solids	**94**		0.10	0.10	%			08/15/14 12:29	1
Cyanide, Total	**0.43**	**J**	0.52	0.15	mg/Kg	☼	08/21/14 12:25	08/21/14 13:54	1

Client Sample ID: SSHS-B29-A-10-12 (11.5)

Lab Sample ID: 180-35776-61

Date Collected: 08/13/14 16:09
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 96.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.4	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Benzene	ND		4.4	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Bromoform	ND		4.4	0.39	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Bromomethane	ND		4.4	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
2-Butanone (MEK)	ND		4.4	0.77	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Carbon disulfide	**0.97**	**J**	4.4	0.45	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Carbon tetrachloride	ND		4.4	0.39	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Chlorobenzene	ND		4.4	0.66	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Chlorobromomethane	ND		4.4	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Chlorodibromomethane	ND		4.4	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Chloroethane	ND		4.4	1.4	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Chloroform	ND		4.4	0.51	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Chloromethane	ND		4.4	0.75	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
cis-1,2-Dichloroethene	ND		4.4	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
cis-1,3-Dichloropropene	ND		4.4	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Cyclohexane	ND		4.4	0.33	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
1,2-Dibromo-3-Chloropropane	ND		4.4	0.66	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
1,2-Dibromoethane	ND		4.4	0.76	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
1,2-Dichlorobenzene	ND		4.4	0.70	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
1,3-Dichlorobenzene	ND		4.4	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
1,4-Dichlorobenzene	ND		4.4	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Dichlorobromomethane	ND		4.4	0.49	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Dichlorodifluoromethane	ND		4.4	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
1,1-Dichloroethane	ND		4.4	0.50	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1

Client Sample ID: SSHS-B29-A-10-12 (11.5) **Lab Sample ID: 180-35776-61**

Date Collected: 08/13/14 16:09 **Matrix: Solid**

Date Received: 08/14/14 13:08 **Percent Solids: 96.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		4.4	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
1,1-Dichloroethene	ND		4.4	0.74	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
1,2-Dichloropropane	ND		4.4	0.48	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
1,4-Dioxane	ND		880	240	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Ethylbenzene	ND		4.4	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
2-Hexanone	ND		4.4	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Isopropylbenzene	ND		4.4	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Methyl acetate	ND		4.4	0.79	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Methylcyclohexane	ND		4.4	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Methylene Chloride	ND		4.4	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
4-Methyl-2-pentanone (MIBK)	ND		4.4	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Methyl tert-butyl ether	ND		4.4	0.66	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
m-Xylene & p-Xylene	ND		8.8	1.3	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
o-Xylene	ND		4.4	0.68	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Styrene	ND		4.4	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
1,1,2,2-Tetrachloroethane	ND		4.4	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Tetrachloroethene	ND		4.4	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Toluene	ND		4.4	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
trans-1,2-Dichloroethene	ND		4.4	0.52	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
trans-1,3-Dichloropropene	ND		4.4	0.52	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
1,2,3-Trichlorobenzene	ND		4.4	0.74	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
1,2,4-Trichlorobenzene	ND		4.4	0.77	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
1,1,1-Trichloroethane	ND		4.4	0.43	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
1,1,2-Trichloroethane	ND		4.4	0.73	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Trichloroethene	ND		4.4	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Trichlorofluoromethane	ND		4.4	0.81	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.4	0.94	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1
Vinyl chloride	ND		4.4	0.41	ug/Kg	☼	08/18/14 04:22	08/18/14 12:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*14*	*T J*	*ug/Kg*	☼	*13.42*		*08/18/14 04:22*	*08/18/14 12:01*	*1*
Unknown	*18*	*T J*	*ug/Kg*	☼	*14.04*		*08/18/14 04:22*	*08/18/14 12:01*	*1*
Naphthalene, decahydro-2-methyl-	*18*	*T J N*	*ug/Kg*	☼	*14.26*	*2958-76-1*	*08/18/14 04:22*	*08/18/14 12:01*	*1*
Unknown	*26*	*T J*	*ug/Kg*	☼	*14.65*		*08/18/14 04:22*	*08/18/14 12:01*	*1*
Unknown	*21*	*T J*	*ug/Kg*	☼	*14.74*		*08/18/14 04:22*	*08/18/14 12:01*	*1*
Unknown	*52*	*T J*	*ug/Kg*	☼	*14.82*		*08/18/14 04:22*	*08/18/14 12:01*	*1*
Cyclohexane, 2-butyl-1,1,3-trimethyl-	*27*	*T J N*	*ug/Kg*	☼	*15.19*	*54676-39-0*	*08/18/14 04:22*	*08/18/14 12:01*	*1*
Unknown	*38*	*T J*	*ug/Kg*	☼	*15.33*		*08/18/14 04:22*	*08/18/14 12:01*	*1*
Unknown	*68*	*T J*	*ug/Kg*	☼	*15.45*		*08/18/14 04:22*	*08/18/14 12:01*	*1*
Unknown	*36*	*T J*	*ug/Kg*	☼	*15.60*		*08/18/14 04:22*	*08/18/14 12:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/18/14 04:22*	*08/18/14 12:01*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/18/14 04:22*	*08/18/14 12:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*52 - 124*	*08/18/14 04:22*	*08/18/14 12:01*	*1*
Toluene-d8 (Surr)	*104*		*72 - 127*	*08/18/14 04:22*	*08/18/14 12:01*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	6.6	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1

Client Sample ID: SSHS-B29-A-10-12 (11.5)
Date Collected: 08/13/14 16:09
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-61
Matrix: Solid
Percent Solids: 96.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		69	7.9	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Acetophenone	ND		340	28	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Anthracene	ND		69	6.7	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Atrazine	ND		340	34	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Benzaldehyde	ND		340	52	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Benzo[a]anthracene	ND		69	8.6	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Benzo[a]pyrene	ND		69	6.9	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Benzo[b]fluoranthene	ND		69	11	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Benzo[g,h,i]perylene	ND		69	6.9	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Benzo[k]fluoranthene	ND		69	14	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
1,1'-Biphenyl	ND		340	31	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Bis(2-chloroethoxy)methane	ND		340	23	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Bis(2-chloroethyl)ether	ND		69	9.2	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Bis(2-ethylhexyl) phthalate	ND		690	56	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
4-Bromophenyl phenyl ether	ND		340	30	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Butyl benzyl phthalate	ND		340	47	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Caprolactam	ND		1800	260	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Carbazole	ND		69	6.3	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
4-Chloroaniline	ND		340	28	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
4-Chloro-3-methylphenol	ND		340	32	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
2-Chloronaphthalene	ND		69	7.2	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
2-Chlorophenol	ND		340	28	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
4-Chlorophenyl phenyl ether	ND		340	38	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Chrysene	ND		69	8.2	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Dibenz(a,h)anthracene	ND		69	7.7	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Dibenzofuran	ND		340	34	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
3,3'-Dichlorobenzidine	ND		340	36	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
2,4-Dichlorophenol	ND		69	6.9	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Diethyl phthalate	ND		340	38	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
2,4-Dimethylphenol	ND		340	54	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Dimethyl phthalate	ND		340	38	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Di-n-butyl phthalate	ND		340	43	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
2,4-Dinitrophenol	ND		1800	410	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
2,4-Dinitrotoluene	ND		340	28	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
2,6-Dinitrotoluene	ND		340	36	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Di-n-octyl phthalate	ND		340	36	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
1,4-Dioxane	ND		690	39	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Fluoranthene	ND		69	7.4	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Fluorene	ND		69	9.1	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Hexachlorobenzene	ND		69	7.3	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Hexachlorobutadiene	ND		69	7.7	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Hexachlorocyclopentadiene	ND		340	37	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Hexachloroethane	ND		340	25	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Indeno[1,2,3-cd]pyrene	ND		69	7.1	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Isophorone	ND		340	26	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
2-Methylnaphthalene	ND		69	6.2	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
2-Methylphenol	ND		340	24	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Methylphenol, 3 & 4	ND		340	34	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1

Client Sample ID: SSHS-B29-A-10-12 (11.5)
Lab Sample ID: 180-35776-61
Date Collected: 08/13/14 16:09
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 96.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		69	5.9	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
2-Nitroaniline	ND		1800	150	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
3-Nitroaniline	ND		1800	140	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Nitrobenzene	ND		690	29	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
2-Nitrophenol	ND		340	38	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
N-Nitrosodi-n-propylamine	ND		69	8.1	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
N-Nitrosodiphenylamine	ND		340	32	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
2,2'-oxybis[1-chloropropane]	ND		69	7.4	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Pentachlorophenol	ND		340	31	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Phenanthrene	ND		69	11	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Phenol	ND		69	8.1	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
Pyrene	ND		69	7.0	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
1,2,4,5-Tetrachlorobenzene	ND		340	26	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
2,3,4,6-Tetrachlorophenol	ND		340	22	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
2,4,5-Trichlorophenol	ND		340	37	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1
2,4,6-Trichlorophenol	ND		340	52	ug/Kg	☼	08/25/14 17:20	08/26/14 17:02	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*160*	*T J*	*ug/Kg*	☼	*8.41*		*08/25/14 17:20*	*08/26/14 17:02*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*8.65*		*08/25/14 17:20*	*08/26/14 17:02*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*8.95*		*08/25/14 17:20*	*08/26/14 17:02*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*8.97*		*08/25/14 17:20*	*08/26/14 17:02*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*9.03*		*08/25/14 17:20*	*08/26/14 17:02*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*9.16*		*08/25/14 17:20*	*08/26/14 17:02*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*9.43*		*08/25/14 17:20*	*08/26/14 17:02*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*9.56*		*08/25/14 17:20*	*08/26/14 17:02*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*9.59*		*08/25/14 17:20*	*08/26/14 17:02*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*10.12*		*08/25/14 17:20*	*08/26/14 17:02*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*10.25*		*08/25/14 17:20*	*08/26/14 17:02*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*10.41*		*08/25/14 17:20*	*08/26/14 17:02*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*10.72*		*08/25/14 17:20*	*08/26/14 17:02*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*11.17*		*08/25/14 17:20*	*08/26/14 17:02*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*11.52*		*08/25/14 17:20*	*08/26/14 17:02*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*12.77*		*08/25/14 17:20*	*08/26/14 17:02*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*13.18*		*08/25/14 17:20*	*08/26/14 17:02*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*13.78*		*08/25/14 17:20*	*08/26/14 17:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*35 - 105*	*08/25/14 17:20*	*08/26/14 17:02*	*1*
2-Fluorophenol (Surr)	*65*		*39 - 103*	*08/25/14 17:20*	*08/26/14 17:02*	*1*
Nitrobenzene-d5 (Surr)	*69*		*25 - 104*	*08/25/14 17:20*	*08/26/14 17:02*	*1*
Phenol-d5 (Surr)	*66*		*25 - 105*	*08/25/14 17:20*	*08/26/14 17:02*	*1*
Terphenyl-d14 (Surr)	*68*		*25 - 127*	*08/25/14 17:20*	*08/26/14 17:02*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*35 - 124*	*08/25/14 17:20*	*08/26/14 17:02*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1

Client Sample ID: SSHS-B29-A-10-12 (11.5)

Date Collected: 08/13/14 16:09
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-61
Matrix: Solid
Percent Solids: 96.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		1.8	0.28	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
alpha-Chlordane	ND		1.8	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
beta-BHC	ND		1.8	0.45	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
4,4'-DDD	**0.66**	**J p**	1.8	0.23	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
4,4'-DDE	ND		1.8	0.26	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
4,4'-DDT	**0.34**	**J p**	1.8	0.26	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
delta-BHC	ND		1.8	0.26	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
Endosulfan I	ND		1.8	0.32	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
Endosulfan II	ND		1.8	0.30	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
Endosulfan sulfate	**0.19**	**J p**	1.8	0.18	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
Endrin	ND		1.8	0.33	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
Endrin aldehyde	**1.1**	**J**	1.8	0.33	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
gamma-BHC (Lindane)	ND		1.8	0.30	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
gamma-Chlordane	ND		1.8	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
Heptachlor	ND		1.8	0.38	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
Methoxychlor	**1.9**	**J p**	3.4	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1
Toxaphene	ND		69	11	ug/Kg	☼	08/25/14 06:15	08/26/14 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 130*	*08/25/14 06:15*	*08/26/14 19:39*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 130*	*08/25/14 06:15*	*08/26/14 19:39*	*1*
Tetrachloro-m-xylene	*74*		*45 - 130*	*08/25/14 06:15*	*08/26/14 19:39*	*1*
Tetrachloro-m-xylene	*74*		*45 - 130*	*08/25/14 06:15*	*08/26/14 19:39*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.6	ug/Kg	☼	08/25/14 06:15	08/27/14 04:20	1
PCB-1221	ND		17	3.3	ug/Kg	☼	08/25/14 06:15	08/27/14 04:20	1
PCB-1232	ND		17	2.9	ug/Kg	☼	08/25/14 06:15	08/27/14 04:20	1
PCB-1242	ND		17	2.8	ug/Kg	☼	08/25/14 06:15	08/27/14 04:20	1
PCB-1248	ND		17	1.6	ug/Kg	☼	08/25/14 06:15	08/27/14 04:20	1
PCB-1254	ND		17	2.4	ug/Kg	☼	08/25/14 06:15	08/27/14 04:20	1
PCB-1260	ND		17	2.4	ug/Kg	☼	08/25/14 06:15	08/27/14 04:20	1
PCB-1262	ND		17	3.8	ug/Kg	☼	08/25/14 06:15	08/27/14 04:20	1
PCB-1268	ND		17	2.2	ug/Kg	☼	08/25/14 06:15	08/27/14 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 125*	*08/25/14 06:15*	*08/27/14 04:20*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*	*08/25/14 06:15*	*08/27/14 04:52*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*45 - 135*	*08/25/14 06:15*	*08/27/14 04:20*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*45 - 135*	*08/25/14 06:15*	*08/27/14 04:52*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4700**		20	2.1	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Antimony	ND		1.0	0.20	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Arsenic	**5.2**		1.0	0.31	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B29-A-10-12 (11.5) Lab Sample ID: 180-35776-61

Date Collected: 08/13/14 16:09 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 96.9**

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**37**		20	0.013	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Beryllium	**0.20**	**J**	0.40	0.011	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Cadmium	**0.054**	**J**	0.50	0.014	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Calcium	**49000**		500	1.5	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Chromium	**7.5**	**B**	0.50	0.077	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Cobalt	**4.5**	**J**	5.0	0.042	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Copper	**16**		2.5	0.14	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Iron	**11000**		10	0.89	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Lead	**5.2**		1.0	0.10	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Magnesium	**8900**		500	2.1	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Manganese	**320**		1.5	0.089	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Nickel	**11**	**B**	4.0	0.048	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Potassium	**570**		500	6.4	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Selenium	ND		1.0	0.27	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Silver	ND		0.50	0.040	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Sodium	**89**	**J B**	500	1.1	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Vanadium	**9.9**		5.0	0.18	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1
Zinc	**40**	**B**	2.0	0.10	mg/Kg	☼	08/26/14 09:01	08/28/14 09:06	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.011	mg/Kg	☼	08/25/14 10:13	08/25/14 14:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**3.1**		0.10	0.10	%			08/15/14 12:29	1
Percent Solids	**97**		0.10	0.10	%			08/15/14 12:29	1
Cyanide, Total	**0.23**	**J**	0.50	0.15	mg/Kg	☼	08/21/14 12:25	08/21/14 13:54	1

Client Sample ID: DUP-04 Lab Sample ID: 180-35776-62

Date Collected: 08/13/14 00:00 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 89.2**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	6.1	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Benzene	ND		6.1	0.82	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Bromoform	ND		6.1	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Bromomethane	ND		6.1	0.90	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
2-Butanone (MEK)	ND		6.1	1.1	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Carbon disulfide	ND		6.1	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Carbon tetrachloride	ND		6.1	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Chlorobenzene	ND		6.1	0.93	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Chlorobromomethane	ND		6.1	0.84	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Chlorodibromomethane	ND		6.1	0.87	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Chloroethane	ND		6.1	1.9	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Chloroform	ND		6.1	0.71	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Chloromethane	ND		6.1	1.0	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
cis-1,2-Dichloroethene	ND		6.1	0.86	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1

Client Sample Results

Client Sample ID: DUP-04 **Lab Sample ID: 180-35776-62**
Date Collected: 08/13/14 00:00 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 89.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		6.1	0.83	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Cyclohexane	ND		6.1	0.45	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
1,2-Dibromo-3-Chloropropane	ND		6.1	0.91	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
1,2-Dibromoethane	ND		6.1	1.1	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
1,2-Dichlorobenzene	ND		6.1	0.97	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
1,3-Dichlorobenzene	ND		6.1	0.80	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
1,4-Dichlorobenzene	ND		6.1	0.78	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Dichlorobromomethane	ND		6.1	0.69	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Dichlorodifluoromethane	ND		6.1	0.81	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
1,1-Dichloroethane	ND		6.1	0.70	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
1,2-Dichloroethane	ND		6.1	0.75	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
1,1-Dichloroethene	ND		6.1	1.0	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
1,2-Dichloropropane	ND		6.1	0.66	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
1,4-Dioxane	ND		1200	340	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Ethylbenzene	ND		6.1	0.79	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
2-Hexanone	ND		6.1	0.84	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Isopropylbenzene	ND		6.1	0.83	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Methyl acetate	ND		6.1	1.1	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Methylcyclohexane	ND		6.1	0.89	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Methylene Chloride	ND		6.1	0.82	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
4-Methyl-2-pentanone (MIBK)	ND		6.1	0.80	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Methyl tert-butyl ether	ND		6.1	0.91	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
m-Xylene & p-Xylene	ND		12	1.8	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
o-Xylene	ND		6.1	0.95	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Styrene	ND		6.1	0.86	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
1,1,2,2-Tetrachloroethane	ND		6.1	0.88	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Tetrachloroethene	ND		6.1	0.83	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Toluene	ND		6.1	0.89	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
trans-1,2-Dichloroethene	ND		6.1	0.73	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
trans-1,3-Dichloropropene	ND		6.1	0.73	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
1,2,3-Trichlorobenzene	ND		6.1	1.0	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
1,2,4-Trichlorobenzene	ND		6.1	1.1	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
1,1,1-Trichloroethane	ND		6.1	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
1,1,2-Trichloroethane	ND		6.1	1.0	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Trichloroethene	ND		6.1	0.80	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Trichlorofluoromethane	ND		6.1	1.1	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.1	1.3	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1
Vinyl chloride	ND		6.1	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 12:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*33*	*T J*	*ug/Kg*	☼	*11.48*		*08/18/14 04:22*	*08/18/14 12:23*	*1*
Unknown	*26*	*T J*	*ug/Kg*	☼	*12.23*		*08/18/14 04:22*	*08/18/14 12:23*	*1*
Unknown	*69*	*T J*	*ug/Kg*	☼	*12.51*		*08/18/14 04:22*	*08/18/14 12:23*	*1*
Unknown	*34*	*T J*	*ug/Kg*	☼	*13.20*		*08/18/14 04:22*	*08/18/14 12:23*	*1*
Unknown	*42*	*T J*	*ug/Kg*	☼	*13.49*		*08/18/14 04:22*	*08/18/14 12:23*	*1*
Unknown	*23*	*T J*	*ug/Kg*	☼	*13.70*		*08/18/14 04:22*	*08/18/14 12:23*	*1*
Unknown	*21*	*T J*	*ug/Kg*	☼	*13.98*		*08/18/14 04:22*	*08/18/14 12:23*	*1*
Unknown	*26*	*T J*	*ug/Kg*	☼	*14.15*		*08/18/14 04:22*	*08/18/14 12:23*	*1*
Unknown	*43*	*T J*	*ug/Kg*	☼	*14.46*		*08/18/14 04:22*	*08/18/14 12:23*	*1*
Unknown	*39*	*T J*	*ug/Kg*	☼	*14.88*		*08/18/14 04:22*	*08/18/14 12:23*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35776-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: DUP-04
Lab Sample ID: 180-35776-62
Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 89.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*08/18/14 04:22*	*08/18/14 12:23*	*1*
Dibromofluoromethane (Surr)	*109*		*68 - 121*	*08/18/14 04:22*	*08/18/14 12:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*52 - 124*	*08/18/14 04:22*	*08/18/14 12:23*	*1*
Toluene-d8 (Surr)	*107*		*72 - 127*	*08/18/14 04:22*	*08/18/14 12:23*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	7.1	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Acenaphthylene	ND		75	8.5	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Acetophenone	ND		370	31	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Anthracene	**17**	**J**	75	7.3	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Atrazine	ND		370	36	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Benzo[a]anthracene	**120**		75	9.3	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Benzo[a]pyrene	**100**		75	7.4	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Benzo[b]fluoranthene	**130**		75	12	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Benzo[g,h,i]perylene	**73**	**J**	75	7.4	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Benzo[k]fluoranthene	**48**	**J**	75	15	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Bis(2-chloroethoxy)methane	ND		370	24	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Bis(2-ethylhexyl) phthalate	ND		750	60	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Carbazole	**12**	**J**	75	6.8	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
2-Chloronaphthalene	ND		75	7.8	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
2-Chlorophenol	ND		370	30	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Chrysene	**110**		75	8.8	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Dibenz(a,h)anthracene	ND		75	8.3	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
2,4-Dichlorophenol	ND		75	7.5	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Dimethyl phthalate	ND		370	40	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Fluoranthene	**200**		75	7.9	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Fluorene	ND		75	9.8	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Hexachlorobenzene	ND		75	7.9	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Hexachlorobutadiene	ND		75	8.3	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1

Client Sample ID: DUP-04

Lab Sample ID: 180-35776-62

Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 89.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Indeno[1,2,3-cd]pyrene	**64**	**J**	75	7.7	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Isophorone	ND		370	28	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
2-Methylnaphthalene	ND		75	6.7	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Methylphenol, 3 & 4	ND		370	36	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Naphthalene	ND		75	6.4	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
N-Nitrosodi-n-propylamine	ND		75	8.7	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
N-Nitrosodiphenylamine	ND		370	34	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
2,2'-oxybis[1-chloropropane]	ND		75	8.0	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Phenanthrene	**56**	**J**	75	12	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Phenol	ND		75	8.8	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
Pyrene	**200**		75	7.5	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/25/14 17:20	08/26/14 17:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*10.49*		*08/25/14 17:20*	*08/26/14 17:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*35 - 105*	*08/25/14 17:20*	*08/26/14 17:31*	*1*
2-Fluorophenol (Surr)	*63*		*39 - 103*	*08/25/14 17:20*	*08/26/14 17:31*	*1*
Nitrobenzene-d5 (Surr)	*67*		*25 - 104*	*08/25/14 17:20*	*08/26/14 17:31*	*1*
Phenol-d5 (Surr)	*66*		*25 - 105*	*08/25/14 17:20*	*08/26/14 17:31*	*1*
Terphenyl-d14 (Surr)	*68*		*25 - 127*	*08/25/14 17:20*	*08/26/14 17:31*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*35 - 124*	*08/25/14 17:20*	*08/26/14 17:31*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
4,4'-DDD	**1.3**	**J**	1.9	0.24	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1

Client Sample ID: DUP-04
Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-62
Matrix: Solid
Percent Solids: 89.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	**0.22**	**J p**	1.9	0.19	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
Endrin	**0.79**	**J**	1.9	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
gamma-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
Methoxychlor	**1.2**	**J p**	3.7	0.39	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1
Toxaphene	ND		75	12	ug/Kg	☼	08/25/14 06:15	08/26/14 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/25/14 06:15*	*08/26/14 19:54*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*	*08/25/14 06:15*	*08/26/14 19:54*	*1*
Tetrachloro-m-xylene	*83*		*45 - 130*	*08/25/14 06:15*	*08/26/14 19:54*	*1*
Tetrachloro-m-xylene	*78*		*45 - 130*	*08/25/14 06:15*	*08/26/14 19:54*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/25/14 06:15	08/27/14 04:52	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/25/14 06:15	08/27/14 04:52	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/25/14 06:15	08/27/14 04:52	1
PCB-1242	ND		19	3.0	ug/Kg	☼	08/25/14 06:15	08/27/14 04:52	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/25/14 06:15	08/27/14 04:52	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/25/14 06:15	08/27/14 04:52	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/25/14 06:15	08/27/14 04:52	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/25/14 06:15	08/27/14 04:52	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/25/14 06:15	08/27/14 04:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/25/14 06:15*	*08/27/14 04:52*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/25/14 06:15*	*08/27/14 05:23*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*45 - 135*	*08/25/14 06:15*	*08/27/14 04:52*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*45 - 135*	*08/25/14 06:15*	*08/27/14 05:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8000**		22	2.3	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Arsenic	**7.7**		1.1	0.34	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Barium	**56**		22	0.014	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Beryllium	**0.44**		0.44	0.012	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Cadmium	**0.13**	**J**	0.55	0.016	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Calcium	**11000**		550	1.7	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Chromium	**22**	**B**	0.55	0.085	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Cobalt	**7.4**		5.5	0.046	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Copper	**99**		2.7	0.16	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Iron	**19000**		11	0.98	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Lead	**16**		1.1	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Magnesium	**4400**		550	2.3	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1

Client Sample ID: DUP-04

Lab Sample ID: 180-35776-62
Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 89.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**500**		1.6	0.098	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Nickel	**340**	**B**	4.4	0.052	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Potassium	**700**		550	7.0	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Selenium	**0.63**	**J**	1.1	0.29	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Silver	ND		0.55	0.044	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Sodium	**130**	**J B**	550	1.2	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Vanadium	**13**		5.5	0.19	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1
Zinc	**120**	**B**	2.2	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 09:11	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.019**	**J**	0.036	0.012	mg/Kg	☼	08/25/14 10:13	08/25/14 14:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			08/15/14 12:29	1
Percent Solids	**89**		0.10	0.10	%			08/15/14 12:29	1
Cyanide, Total	**0.23**	**J**	0.54	0.16	mg/Kg	☼	08/21/14 12:25	08/21/14 14:02	1

Client Sample ID: DUP-05

Lab Sample ID: 180-35776-63
Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 95.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.2	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Benzene	ND		4.2	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Bromoform	ND		4.2	0.37	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Bromomethane	ND		4.2	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
2-Butanone (MEK)	ND		4.2	0.74	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Carbon disulfide	ND		4.2	0.43	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Carbon tetrachloride	ND		4.2	0.37	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Chlorobenzene	ND		4.2	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Chlorobromomethane	ND		4.2	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Chlorodibromomethane	ND		4.2	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Chloroethane	ND		4.2	1.3	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Chloroform	ND		4.2	0.49	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Chloromethane	ND		4.2	0.71	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
cis-1,2-Dichloroethene	ND		4.2	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
cis-1,3-Dichloropropene	ND		4.2	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Cyclohexane	ND		4.2	0.31	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
1,2-Dibromo-3-Chloropropane	ND		4.2	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
1,2-Dibromoethane	ND		4.2	0.72	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
1,2-Dichlorobenzene	ND		4.2	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
1,3-Dichlorobenzene	ND		4.2	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
1,4-Dichlorobenzene	ND		4.2	0.53	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Dichlorobromomethane	ND		4.2	0.47	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Dichlorodifluoromethane	ND		4.2	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
1,1-Dichloroethane	ND		4.2	0.48	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1

Client Sample Results

Client Sample ID: DUP-05
Lab Sample ID: 180-35776-63
Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 95.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		4.2	0.51	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
1,1-Dichloroethene	ND		4.2	0.71	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
1,2-Dichloropropane	ND		4.2	0.45	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
1,4-Dioxane	ND		840	230	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Ethylbenzene	ND		4.2	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
2-Hexanone	ND		4.2	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Isopropylbenzene	ND		4.2	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Methyl acetate	ND		4.2	0.75	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Methylcyclohexane	ND		4.2	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Methylene Chloride	ND		4.2	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Methyl tert-butyl ether	ND		4.2	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
m-Xylene & p-Xylene	ND		8.4	1.2	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
o-Xylene	ND		4.2	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Styrene	ND		4.2	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Tetrachloroethene	ND		4.2	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Toluene	ND		4.2	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
trans-1,2-Dichloroethene	ND		4.2	0.50	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
trans-1,3-Dichloropropene	ND		4.2	0.50	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
1,2,3-Trichlorobenzene	ND		4.2	0.71	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
1,2,4-Trichlorobenzene	ND		4.2	0.74	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
1,1,1-Trichloroethane	ND		4.2	0.41	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
1,1,2-Trichloroethane	ND		4.2	0.70	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Trichloroethene	**0.87**	**J**	4.2	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Trichlorofluoromethane	ND		4.2	0.77	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.89	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1
Vinyl chloride	ND		4.2	0.39	ug/Kg	☼	08/18/14 04:22	08/18/14 12:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/18/14 04:22*	*08/18/14 12:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/18/14 04:22*	*08/18/14 12:45*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/18/14 04:22*	*08/18/14 12:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*52 - 124*	*08/18/14 04:22*	*08/18/14 12:45*	*1*
Toluene-d8 (Surr)	*101*		*72 - 127*	*08/18/14 04:22*	*08/18/14 12:45*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	6.7	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Acenaphthylene	ND		70	8.0	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Acetophenone	ND		350	29	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Anthracene	ND		70	6.9	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Atrazine	ND		350	34	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Benzaldehyde	ND		350	52	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Benzo[a]anthracene	ND		70	8.8	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Benzo[a]pyrene	ND		70	7.0	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Benzo[b]fluoranthene	ND		70	11	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Benzo[g,h,i]perylene	ND		70	7.0	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35776-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: DUP-05
Lab Sample ID: 180-35776-63
Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 95.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		70	14	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
1,1'-Biphenyl	ND		350	31	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Bis(2-chloroethyl)ether	ND		70	9.4	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Bis(2-ethylhexyl) phthalate	ND		700	57	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
4-Bromophenyl phenyl ether	ND		350	30	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Caprolactam	ND		1800	260	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Carbazole	ND		70	6.5	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
4-Chloro-3-methylphenol	ND		350	32	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
2-Chloronaphthalene	ND		70	7.3	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Chrysene	ND		70	8.3	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Dibenz(a,h)anthracene	ND		70	7.8	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Dibenzofuran	ND		350	34	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
2,4-Dichlorophenol	ND		70	7.0	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Diethyl phthalate	ND		350	38	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Dimethyl phthalate	ND		350	38	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
2,4-Dinitrotoluene	ND		350	28	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
2,6-Dinitrotoluene	ND		350	36	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
1,4-Dioxane	ND		700	40	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Fluoranthene	ND		70	7.5	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Fluorene	ND		70	9.2	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Hexachlorobenzene	ND		70	7.5	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Hexachlorobutadiene	ND		70	7.8	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Indeno[1,2,3-cd]pyrene	ND		70	7.2	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Isophorone	ND		350	26	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
2-Methylnaphthalene	ND		70	6.3	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
2-Methylphenol	ND		350	24	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Methylphenol, 3 & 4	ND		350	34	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Naphthalene	ND		70	6.0	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
3-Nitroaniline	ND		1800	140	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Nitrobenzene	ND		700	29	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
N-Nitrosodi-n-propylamine	ND		70	8.2	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
N-Nitrosodiphenylamine	ND		350	32	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: DUP-05

Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-63
Matrix: Solid
Percent Solids: 95.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		70	7.6	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Pentachlorophenol	ND		350	31	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Phenanthrene	ND		70	11	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Phenol	ND		70	8.3	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
Pyrene	ND		70	7.1	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
2,3,4,6-Tetrachlorophenol	ND		350	22	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
2,4,5-Trichlorophenol	ND		350	37	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1
2,4,6-Trichlorophenol	ND		350	52	ug/Kg	☼	08/25/14 17:20	08/26/14 17:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*300*	*T J*	*ug/Kg*	☼	*10.49*		*08/25/14 17:20*	*08/26/14 17:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*35 - 105*	*08/25/14 17:20*	*08/26/14 17:59*	*1*
2-Fluorophenol (Surr)	*52*		*39 - 103*	*08/25/14 17:20*	*08/26/14 17:59*	*1*
Nitrobenzene-d5 (Surr)	*58*		*25 - 104*	*08/25/14 17:20*	*08/26/14 17:59*	*1*
Phenol-d5 (Surr)	*56*		*25 - 105*	*08/25/14 17:20*	*08/26/14 17:59*	*1*
Terphenyl-d14 (Surr)	*60*		*25 - 127*	*08/25/14 17:20*	*08/26/14 17:59*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*35 - 124*	*08/25/14 17:20*	*08/26/14 17:59*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
alpha-BHC	ND		1.8	0.28	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
alpha-Chlordane	ND		1.8	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
beta-BHC	ND		1.8	0.45	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
4,4'-DDE	ND		1.8	0.26	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
Endosulfan sulfate	**0.30**	**J p**	1.8	0.18	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
Endrin	**0.55**	**J p**	1.8	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
gamma-Chlordane	ND		1.8	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
Methoxychlor	ND		3.4	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1
Toxaphene	ND		70	12	ug/Kg	☼	08/25/14 06:15	08/26/14 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*08/25/14 06:15*	*08/26/14 20:10*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/25/14 06:15*	*08/26/14 20:10*	*1*
Tetrachloro-m-xylene	*94*		*45 - 130*	*08/25/14 06:15*	*08/26/14 20:10*	*1*
Tetrachloro-m-xylene	*90*		*45 - 130*	*08/25/14 06:15*	*08/26/14 20:10*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: DUP-05

Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-63
Matrix: Solid
Percent Solids: 95.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.6	ug/Kg	☼	08/25/14 06:15	08/27/14 05:55	1
PCB-1221	ND		17	3.3	ug/Kg	☼	08/25/14 06:15	08/27/14 05:55	1
PCB-1232	ND		17	3.0	ug/Kg	☼	08/25/14 06:15	08/27/14 05:55	1
PCB-1242	ND		17	2.8	ug/Kg	☼	08/25/14 06:15	08/27/14 05:55	1
PCB-1248	**22**		17	1.6	ug/Kg	☼	08/25/14 06:15	08/27/14 05:55	1
PCB-1254	ND		17	2.5	ug/Kg	☼	08/25/14 06:15	08/27/14 05:55	1
PCB-1260	**17**		17	2.5	ug/Kg	☼	08/25/14 06:15	08/27/14 05:55	1
PCB-1262	ND		17	3.8	ug/Kg	☼	08/25/14 06:15	08/27/14 05:55	1
PCB-1268	ND		17	2.2	ug/Kg	☼	08/25/14 06:15	08/27/14 05:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*	*08/25/14 06:15*	*08/27/14 05:23*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/25/14 06:15*	*08/27/14 05:55*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*45 - 135*	*08/25/14 06:15*	*08/27/14 05:23*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*	*08/25/14 06:15*	*08/27/14 05:55*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5700**		20	2.1	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Antimony	ND		1.0	0.20	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Arsenic	**6.4**		1.0	0.31	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Barium	**57**		20	0.013	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Beryllium	**0.21**	**J**	0.41	0.011	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Cadmium	**0.066**	**J**	0.51	0.015	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Calcium	**51000**		510	1.5	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Chromium	**8.8**	**B**	0.51	0.079	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Cobalt	**5.4**		5.1	0.043	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Copper	**19**		2.5	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Iron	**13000**		10	0.90	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Lead	**6.9**		1.0	0.10	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Magnesium	**11000**		510	2.1	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Manganese	**490**		1.5	0.091	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Nickel	**19**	**B**	4.1	0.048	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Potassium	**760**		510	6.5	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Selenium	ND		1.0	0.27	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Silver	ND		0.51	0.041	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Sodium	**91**	**J B**	510	1.1	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Vanadium	**11**		5.1	0.18	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1
Zinc	**74**	**B**	2.0	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 09:27	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.011**	**J**	0.034	0.011	mg/Kg	☼	08/25/14 10:13	08/25/14 14:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.7**		0.10	0.10	%			08/15/14 12:29	1
Percent Solids	**95**		0.10	0.10	%			08/15/14 12:29	1
Cyanide, Total	**0.33**	**J**	0.53	0.16	mg/Kg	☼	08/21/14 12:25	08/21/14 14:02	1

Client Sample Results

Client Sample ID: DUP-06

Lab Sample ID: 180-35776-64

Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 93.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		16	4.0	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Benzene	ND		4.0	0.53	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Bromoform	ND		4.0	0.35	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Bromomethane	ND		4.0	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
2-Butanone (MEK)	ND		4.0	0.70	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Carbon disulfide	ND		4.0	0.40	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Carbon tetrachloride	ND		4.0	0.35	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Chlorobenzene	ND		4.0	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Chlorobromomethane	ND		4.0	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Chlorodibromomethane	ND		4.0	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Chloroethane	ND		4.0	1.2	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Chloroform	ND		4.0	0.46	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Chloromethane	ND		4.0	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
cis-1,2-Dichloroethene	ND		4.0	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
cis-1,3-Dichloropropene	ND		4.0	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Cyclohexane	ND		4.0	0.29	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
1,2-Dibromo-3-Chloropropane	ND		4.0	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
1,2-Dibromoethane	ND		4.0	0.68	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
1,2-Dichlorobenzene	ND		4.0	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
1,3-Dichlorobenzene	ND		4.0	0.52	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
1,4-Dichlorobenzene	ND		4.0	0.50	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Dichlorobromomethane	ND		4.0	0.44	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Dichlorodifluoromethane	ND		4.0	0.53	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
1,1-Dichloroethane	ND		4.0	0.45	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
1,2-Dichloroethane	ND		4.0	0.48	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
1,1-Dichloroethene	ND		4.0	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
1,2-Dichloropropane	ND		4.0	0.43	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
1,4-Dioxane	ND		790	220	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Ethylbenzene	ND		4.0	0.51	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
2-Hexanone	ND		4.0	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Isopropylbenzene	ND		4.0	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Methyl acetate	ND		4.0	0.71	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Methylcyclohexane	ND		4.0	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Methylene Chloride	ND		4.0	0.53	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
4-Methyl-2-pentanone (MIBK)	ND		4.0	0.52	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Methyl tert-butyl ether	ND		4.0	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
m-Xylene & p-Xylene	ND		7.9	1.2	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
o-Xylene	ND		4.0	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Styrene	ND		4.0	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
1,1,2,2-Tetrachloroethane	ND		4.0	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Tetrachloroethene	ND		4.0	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Toluene	**0.61**	**J**	4.0	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
trans-1,2-Dichloroethene	ND		4.0	0.47	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
trans-1,3-Dichloropropene	ND		4.0	0.47	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
1,2,3-Trichlorobenzene	ND		4.0	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
1,2,4-Trichlorobenzene	ND		4.0	0.70	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
1,1,1-Trichloroethane	ND		4.0	0.38	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
1,1,2-Trichloroethane	ND		4.0	0.66	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Trichloroethene	ND		4.0	0.52	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1

Client Sample ID: DUP-06

Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-64
Matrix: Solid
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.0	0.73	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	0.84	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1
Vinyl chloride	ND		4.0	0.37	ug/Kg	☼	08/18/14 04:22	08/18/14 13:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/18/14 04:22*	*08/18/14 13:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*63 - 120*	*08/18/14 04:22*	*08/18/14 13:08*	*1*
Dibromofluoromethane (Surr)	*109*		*68 - 121*	*08/18/14 04:22*	*08/18/14 13:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*52 - 124*	*08/18/14 04:22*	*08/18/14 13:08*	*1*
Toluene-d8 (Surr)	*104*		*72 - 127*	*08/18/14 04:22*	*08/18/14 13:08*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	6.9	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Acenaphthylene	ND		72	8.2	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Acetophenone	ND		350	29	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Anthracene	**13**	**J**	72	7.0	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Atrazine	ND		350	35	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Benzo[a]anthracene	**29**	**J**	72	8.9	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Benzo[a]pyrene	**21**	**J**	72	7.1	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Benzo[b]fluoranthene	**25**	**J**	72	11	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Benzo[g,h,i]perylene	**15**	**J**	72	7.1	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Benzo[k]fluoranthene	**15**	**J**	72	14	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Bis(2-chloroethyl)ether	ND		72	9.6	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Butyl benzyl phthalate	ND		350	49	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Carbazole	ND		72	6.6	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
4-Chloroaniline	ND		350	29	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
2-Chloronaphthalene	ND		72	7.4	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
4-Chlorophenyl phenyl ether	ND		350	40	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Chrysene	**27**	**J**	72	8.5	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Dibenz(a,h)anthracene	ND		72	7.9	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
3,3'-Dichlorobenzidine	ND		350	38	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
2,4-Dimethylphenol	ND		350	56	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Di-n-butyl phthalate	ND		350	45	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1

Client Sample Results

Client Sample ID: DUP-06
Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-64
Matrix: Solid
Percent Solids: 93.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Di-n-octyl phthalate	ND		350	38	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Fluoranthene	**50**	**J**	72	7.6	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Fluorene	ND		72	9.4	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Hexachlorobenzene	ND		72	7.6	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Hexachloroethane	ND		350	26	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Indeno[1,2,3-cd]pyrene	**12**	**J**	72	7.3	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Isophorone	ND		350	27	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
2-Methylnaphthalene	ND		72	6.4	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Naphthalene	ND		72	6.1	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
2,2'-oxybis[1-chloropropane]	ND		72	7.7	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Phenanthrene	**48**	**J**	72	11	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Phenol	ND		72	8.4	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
Pyrene	**49**	**J**	72	7.2	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/25/14 17:20	08/26/14 18:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*280*	*T J*	*ug/Kg*	☼	*13.16*		*08/25/14 17:20*	*08/26/14 18:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*08/25/14 17:20*	*08/26/14 18:28*	*1*
2-Fluorophenol (Surr)	*65*		*39 - 103*	*08/25/14 17:20*	*08/26/14 18:28*	*1*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/25/14 17:20*	*08/26/14 18:28*	*1*
Phenol-d5 (Surr)	*68*		*25 - 105*	*08/25/14 17:20*	*08/26/14 18:28*	*1*
Terphenyl-d14 (Surr)	*62*		*25 - 127*	*08/25/14 17:20*	*08/26/14 18:28*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*35 - 124*	*08/25/14 17:20*	*08/26/14 18:28*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
alpha-Chlordane	**0.35**	**J p**	1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1

Client Sample ID: DUP-06

Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-64
Matrix: Solid
Percent Solids: 93.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
4,4'-DDT	**18**		1.8	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
Dieldrin	**1.8**		1.8	0.30	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
Endosulfan I	**1.9**		1.8	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
Endosulfan sulfate	**4.0**		1.8	0.19	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
Endrin	**9.9**	**p**	1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
Endrin aldehyde	**0.75**	**J p**	1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
Endrin ketone	**2.8**	**p**	1.8	0.28	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
gamma-Chlordane	**14**	**p**	1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
Heptachlor	**0.44**	**J p**	1.8	0.40	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
Heptachlor epoxide	**7.8**	**p**	1.8	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
Methoxychlor	**5.1**	**p**	3.5	0.37	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1
Toxaphene	ND		72	12	ug/Kg	☼	08/25/14 06:15	08/26/14 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/25/14 06:15*	*08/26/14 20:26*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/25/14 06:15*	*08/26/14 20:26*	*1*
Tetrachloro-m-xylene	*92*		*45 - 130*	*08/25/14 06:15*	*08/26/14 20:26*	*1*
Tetrachloro-m-xylene	*87*		*45 - 130*	*08/25/14 06:15*	*08/26/14 20:26*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/25/14 06:15	08/27/14 06:26	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/25/14 06:15	08/27/14 06:26	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/25/14 06:15	08/27/14 06:26	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/25/14 06:15	08/27/14 06:26	1
PCB-1248	**760**		18	1.7	ug/Kg	☼	08/25/14 06:15	08/27/14 06:26	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/25/14 06:15	08/27/14 06:26	1
PCB-1260	**150**		18	2.5	ug/Kg	☼	08/25/14 06:15	08/27/14 06:26	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/25/14 06:15	08/27/14 06:26	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/25/14 06:15	08/27/14 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/25/14 06:15*	*08/27/14 05:55*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/25/14 06:15*	*08/27/14 06:26*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*	*08/25/14 06:15*	*08/27/14 05:55*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*	*08/25/14 06:15*	*08/27/14 06:26*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6900**		21	2.1	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Antimony	ND		1.0	0.20	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Arsenic	**7.3**		1.0	0.31	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Barium	**64**		21	0.013	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Beryllium	**0.27**	**J**	0.41	0.012	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1

Client Sample ID: DUP-06

Lab Sample ID: 180-35776-64

Date Collected: 08/13/14 00:00

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 93.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.053**	**J**	0.51	0.015	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Calcium	**34000**		510	1.5	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Chromium	**8.1**	**B**	0.51	0.079	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Cobalt	**5.7**		5.1	0.043	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Copper	**23**		2.6	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Iron	**17000**		10	0.91	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Lead	**13**		1.0	0.10	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Magnesium	**5100**		510	2.1	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Manganese	**360**		1.5	0.091	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Nickel	**59**	**B**	4.1	0.049	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Potassium	**670**		510	6.6	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Selenium	**0.34**	**J**	1.0	0.28	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Silver	ND		0.51	0.042	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Sodium	**67**	**J B**	510	1.1	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Vanadium	**9.6**		5.1	0.18	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1
Zinc	**55**	**B**	2.1	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 09:32	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.025**	**J**	0.034	0.011	mg/Kg	☼	08/25/14 10:13	08/25/14 14:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.5**		0.10	0.10	%			08/15/14 12:29	1
Percent Solids	**94**		0.10	0.10	%			08/15/14 12:29	1
Cyanide, Total	**0.47**	**J**	0.53	0.16	mg/Kg	☼	08/21/14 12:25	08/21/14 14:02	1

Client Sample ID: DUP-07

Lab Sample ID: 180-35776-65

Date Collected: 08/13/14 00:00

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 92.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.6	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Benzene	ND		4.6	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Bromoform	ND		4.6	0.41	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Bromomethane	ND		4.6	0.68	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
2-Butanone (MEK)	ND		4.6	0.81	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Carbon disulfide	ND		4.6	0.47	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Carbon tetrachloride	ND		4.6	0.41	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Chlorobenzene	ND		4.6	0.69	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Chlorobromomethane	ND		4.6	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Chlorodibromomethane	ND		4.6	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Chloroethane	ND		4.6	1.4	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Chloroform	ND		4.6	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Chloromethane	ND		4.6	0.78	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
cis-1,2-Dichloroethene	ND		4.6	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
cis-1,3-Dichloropropene	ND		4.6	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Cyclohexane	ND		4.6	0.34	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1

Client Sample ID: DUP-07

Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-65

Matrix: Solid
Percent Solids: 92.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.6	0.69	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
1,2-Dibromoethane	ND		4.6	0.79	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
1,2-Dichlorobenzene	ND		4.6	0.73	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
1,3-Dichlorobenzene	ND		4.6	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
1,4-Dichlorobenzene	ND		4.6	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Dichlorobromomethane	ND		4.6	0.51	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Dichlorodifluoromethane	ND		4.6	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
1,1-Dichloroethane	ND		4.6	0.53	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
1,2-Dichloroethane	ND		4.6	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
1,1-Dichloroethene	ND		4.6	0.78	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
1,2-Dichloropropane	ND		4.6	0.50	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
1,4-Dioxane	ND		920	250	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Ethylbenzene	ND		4.6	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
2-Hexanone	ND		4.6	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Isopropylbenzene	ND		4.6	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Methyl acetate	ND		4.6	0.83	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Methylcyclohexane	ND		4.6	0.66	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Methylene Chloride	ND		4.6	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Methyl tert-butyl ether	ND		4.6	0.68	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
m-Xylene & p-Xylene	ND		9.2	1.3	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
o-Xylene	ND		4.6	0.71	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Styrene	ND		4.6	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.66	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Tetrachloroethene	ND		4.6	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Toluene	ND		4.6	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
trans-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
trans-1,3-Dichloropropene	ND		4.6	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
1,2,3-Trichlorobenzene	ND		4.6	0.77	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
1,2,4-Trichlorobenzene	ND		4.6	0.81	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
1,1,1-Trichloroethane	ND		4.6	0.45	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
1,1,2-Trichloroethane	ND		4.6	0.76	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Trichloroethene	ND		4.6	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Trichlorofluoromethane	ND		4.6	0.84	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	0.98	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1
Vinyl chloride	ND		4.6	0.43	ug/Kg	☼	08/18/14 04:22	08/18/14 13:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/18/14 04:22*	*08/18/14 13:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/18/14 04:22*	*08/18/14 13:30*	*1*
Dibromofluoromethane (Surr)	*107*		*68 - 121*	*08/18/14 04:22*	*08/18/14 13:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*52 - 124*	*08/18/14 04:22*	*08/18/14 13:30*	*1*
Toluene-d8 (Surr)	*100*		*72 - 127*	*08/18/14 04:22*	*08/18/14 13:30*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**380**		72	6.9	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Acenaphthylene	**12**	**J**	72	8.2	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: DUP-07
Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-65
Matrix: Solid
Percent Solids: 92.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		360	30	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Anthracene	**600**		72	7.0	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Atrazine	ND		360	35	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Benzaldehyde	ND		360	54	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Benzo[a]anthracene	**950**		72	9.0	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Benzo[a]pyrene	**840**		72	7.2	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Benzo[b]fluoranthene	**1000**		72	11	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Benzo[g,h,i]perylene	**640**		72	7.1	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Benzo[k]fluoranthene	**340**		72	15	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Bis(2-chloroethyl)ether	ND		72	9.6	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
4-Bromophenyl phenyl ether	ND		360	31	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Butyl benzyl phthalate	ND		360	49	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Carbazole	**240**		72	6.6	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
2-Chloronaphthalene	ND		72	7.5	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
2-Chlorophenol	ND		360	29	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Chrysene	**930**		72	8.5	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Dibenz(a,h)anthracene	**140**		72	8.0	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Dibenzofuran	**210**	**J**	360	35	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Diethyl phthalate	ND		360	39	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
2,4-Dimethylphenol	ND		360	56	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Dimethyl phthalate	ND		360	39	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Di-n-butyl phthalate	ND		360	45	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
2,6-Dinitrotoluene	ND		360	37	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Fluoranthene	**2200**		72	7.7	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Fluorene	**330**		72	9.5	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Hexachlorobenzene	ND		72	7.6	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Indeno[1,2,3-cd]pyrene	**530**		72	7.4	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Isophorone	ND		360	27	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
2-Methylnaphthalene	**100**		72	6.5	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Methylphenol, 3 & 4	ND		360	35	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Naphthalene	**200**		72	6.2	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1

Client Sample ID: DUP-07
Lab Sample ID: 180-35776-65
Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 92.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
4-Nitroaniline	ND		1800	150	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
N-Nitrosodiphenylamine	ND		360	33	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
2,2'-oxybis[1-chloropropane]	ND		72	7.7	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Pentachlorophenol	ND		360	32	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Phenanthrene	**2300**		72	11	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Phenol	ND		72	8.5	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
Pyrene	**2100**		72	7.3	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
1,2,4,5-Tetrachlorobenzene	ND		360	27	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
2,4,5-Trichlorophenol	ND		360	38	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/25/14 17:20	08/26/14 18:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown PAH	*210*	*T J*	*ug/Kg*	☼	*11.15*		*08/25/14 17:20*	*08/26/14 18:56*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*11.17*		*08/25/14 17:20*	*08/26/14 18:56*	*1*
Unknown	*530*	*T J*	*ug/Kg*	☼	*11.28*		*08/25/14 17:20*	*08/26/14 18:56*	*1*
Unknown PAH	*250*	*T J*	*ug/Kg*	☼	*12.77*		*08/25/14 17:20*	*08/26/14 18:56*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*13.18*		*08/25/14 17:20*	*08/26/14 18:56*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*13.24*		*08/25/14 17:20*	*08/26/14 18:56*	*1*
Unknown PAH	*620*	*T J*	*ug/Kg*	☼	*17.03*		*08/25/14 17:20*	*08/26/14 18:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 105*	*08/25/14 17:20*	*08/26/14 18:56*	*1*
2-Fluorophenol (Surr)	*65*		*39 - 103*	*08/25/14 17:20*	*08/26/14 18:56*	*1*
Nitrobenzene-d5 (Surr)	*69*		*25 - 104*	*08/25/14 17:20*	*08/26/14 18:56*	*1*
Phenol-d5 (Surr)	*65*		*25 - 105*	*08/25/14 17:20*	*08/26/14 18:56*	*1*
Terphenyl-d14 (Surr)	*66*		*25 - 127*	*08/25/14 17:20*	*08/26/14 18:56*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*35 - 124*	*08/25/14 17:20*	*08/26/14 18:56*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
alpha-Chlordane	**0.38**	**J p**	1.8	0.36	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
beta-BHC	ND		1.8	0.47	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
4,4'-DDD	**0.45**	**J p**	1.8	0.23	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
4,4'-DDT	**0.87**	**J**	1.8	0.27	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
delta-BHC	**0.61**	**J p**	1.8	0.27	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
Endosulfan sulfate	**0.29**	**J**	1.8	0.19	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
Endrin	**0.70**	**J p**	1.8	0.35	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1

Client Sample Results

Client Sample ID: DUP-07

Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-65

Matrix: Solid
Percent Solids: 92.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
gamma-BHC (Lindane)	**1.6**	**J**	1.8	0.32	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
gamma-Chlordane	**1.3**	**J p**	1.8	0.35	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
Heptachlor epoxide	**0.95**	**J p**	1.8	0.35	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
Methoxychlor	ND		3.6	0.37	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1
Toxaphene	ND		72	12	ug/Kg	☼	08/25/14 10:03	08/26/14 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*	*08/25/14 10:03*	*08/26/14 20:41*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/25/14 10:03*	*08/26/14 20:41*	*1*
Tetrachloro-m-xylene	*73*		*45 - 130*	*08/25/14 10:03*	*08/26/14 20:41*	*1*
Tetrachloro-m-xylene	*74*		*45 - 130*	*08/25/14 10:03*	*08/26/14 20:41*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/25/14 10:03	08/27/14 06:58	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/25/14 10:03	08/27/14 06:58	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/25/14 10:03	08/27/14 06:58	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/25/14 10:03	08/27/14 06:58	1
PCB-1248	**9.6**	**J**	18	1.7	ug/Kg	☼	08/25/14 10:03	08/27/14 06:58	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/25/14 10:03	08/27/14 06:58	1
PCB-1260	**8.2**	**J**	18	2.5	ug/Kg	☼	08/25/14 10:03	08/27/14 06:58	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/25/14 10:03	08/27/14 06:58	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/25/14 10:03	08/27/14 06:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 125*	*08/25/14 10:03*	*08/27/14 06:58*	*1*
DCB Decachlorobiphenyl (Surr)	*66*		*45 - 125*	*08/25/14 10:03*	*08/27/14 07:29*	*1*
Tetrachloro-m-xylene (Surr)	*35*	*X*	*45 - 135*	*08/25/14 10:03*	*08/27/14 06:58*	*1*
Tetrachloro-m-xylene (Surr)	*39*	*X*	*45 - 135*	*08/25/14 10:03*	*08/27/14 07:29*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6100**		20	2.1	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Antimony	ND		1.0	0.20	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Arsenic	**8.8**		1.0	0.31	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Barium	**68**		20	0.013	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Beryllium	**0.26**	**J**	0.40	0.011	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Cadmium	**0.093**	**J**	0.50	0.014	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Calcium	**22000**		500	1.5	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Chromium	**8.0**	**B**	0.50	0.077	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Cobalt	**6.8**		5.0	0.042	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Copper	**23**		2.5	0.14	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Iron	**17000**		10	0.89	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Lead	**43**		1.0	0.10	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Magnesium	**7100**		500	2.1	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Manganese	**710**		1.5	0.089	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Nickel	**16**	**B**	4.0	0.048	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1

Client Sample ID: DUP-07

Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-65
Matrix: Solid
Percent Solids: 92.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**650**		500	6.4	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Selenium	**0.45**	**J**	1.0	0.27	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Silver	ND		0.50	0.041	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Sodium	**130**	**J B**	500	1.1	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Vanadium	**11**		5.0	0.18	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1
Zinc	**60**	**B**	2.0	0.10	mg/Kg	☼	08/26/14 09:01	08/28/14 09:37	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**		0.035	0.011	mg/Kg	☼	08/25/14 10:13	08/25/14 14:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.7**		0.10	0.10	%			08/15/14 12:29	1
Percent Solids	**92**		0.10	0.10	%			08/15/14 12:29	1
Cyanide, Total	ND		0.53	0.15	mg/Kg	☼	08/21/14 12:25	08/21/14 14:02	1

Client Sample ID: DUP-08

Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-66
Matrix: Solid
Percent Solids: 82.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.3	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Benzene	ND		4.3	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Bromoform	ND		4.3	0.38	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Bromomethane	ND		4.3	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
2-Butanone (MEK)	ND		4.3	0.76	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Carbon disulfide	ND		4.3	0.44	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Carbon tetrachloride	ND		4.3	0.38	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Chlorobenzene	ND		4.3	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Chlorobromomethane	ND		4.3	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Chlorodibromomethane	ND		4.3	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Chloroethane	ND		4.3	1.3	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Chloroform	ND		4.3	0.50	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Chloromethane	ND		4.3	0.73	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
cis-1,2-Dichloroethene	ND		4.3	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
cis-1,3-Dichloropropene	ND		4.3	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Cyclohexane	ND		4.3	0.32	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
1,2-Dibromo-3-Chloropropane	ND		4.3	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
1,2-Dibromoethane	ND		4.3	0.74	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
1,2-Dichlorobenzene	ND		4.3	0.69	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
1,3-Dichlorobenzene	ND		4.3	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
1,4-Dichlorobenzene	ND		4.3	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Dichlorobromomethane	ND		4.3	0.48	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Dichlorodifluoromethane	ND		4.3	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
1,1-Dichloroethane	ND		4.3	0.50	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
1,2-Dichloroethane	ND		4.3	0.53	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
1,1-Dichloroethene	ND		4.3	0.73	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: DUP-08

Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-66
Matrix: Solid
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		4.3	0.47	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
1,4-Dioxane	ND		860	240	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Ethylbenzene	ND		4.3	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
2-Hexanone	ND		4.3	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Isopropylbenzene	ND		4.3	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Methyl acetate	ND		4.3	0.78	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Methylcyclohexane	ND		4.3	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Methylene Chloride	ND		4.3	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
4-Methyl-2-pentanone (MIBK)	ND		4.3	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Methyl tert-butyl ether	ND		4.3	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
m-Xylene & p-Xylene	ND		8.6	1.3	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
o-Xylene	ND		4.3	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Styrene	ND		4.3	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Tetrachloroethene	ND		4.3	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Toluene	ND		4.3	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
trans-1,2-Dichloroethene	ND		4.3	0.51	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
trans-1,3-Dichloropropene	ND		4.3	0.52	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
1,2,3-Trichlorobenzene	ND		4.3	0.73	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
1,2,4-Trichlorobenzene	ND		4.3	0.76	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
1,1,1-Trichloroethane	ND		4.3	0.42	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
1,1,2-Trichloroethane	ND		4.3	0.72	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Trichloroethene	**3.7**	**J**	4.3	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Trichlorofluoromethane	ND		4.3	0.79	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3	0.92	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1
Vinyl chloride	ND		4.3	0.40	ug/Kg	☼	08/18/14 04:22	08/18/14 13:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/18/14 04:22*	*08/18/14 13:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*63 - 120*	*08/18/14 04:22*	*08/18/14 13:52*	*1*
Dibromofluoromethane (Surr)	*105*		*68 - 121*	*08/18/14 04:22*	*08/18/14 13:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*52 - 124*	*08/18/14 04:22*	*08/18/14 13:52*	*1*
Toluene-d8 (Surr)	*110*		*72 - 127*	*08/18/14 04:22*	*08/18/14 13:52*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	7.7	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Acenaphthylene	**27**	**J**	80	9.2	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Acetophenone	ND		400	33	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Anthracene	**36**	**J**	80	7.8	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Atrazine	ND		400	39	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Benzaldehyde	ND		400	60	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Benzo[a]anthracene	**150**		80	10	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Benzo[a]pyrene	**150**		80	8.0	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Benzo[b]fluoranthene	**210**		80	13	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Benzo[g,h,i]perylene	**150**		80	8.0	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Benzo[k]fluoranthene	**64**	**J**	80	16	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
1,1'-Biphenyl	ND		400	36	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: DUP-08 **Lab Sample ID: 180-35776-66**
Date Collected: 08/13/14 00:00 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 82.3**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		400	26	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Bis(2-chloroethyl)ether	ND		80	11	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Bis(2-ethylhexyl) phthalate	ND		800	65	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
4-Bromophenyl phenyl ether	ND		400	35	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Butyl benzyl phthalate	ND		400	55	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Caprolactam	ND		2000	300	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Carbazole	ND		80	7.4	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
4-Chloroaniline	ND		400	32	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
4-Chloro-3-methylphenol	ND		400	37	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
2-Chloronaphthalene	ND		80	8.3	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
2-Chlorophenol	ND		400	33	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
4-Chlorophenyl phenyl ether	ND		400	44	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Chrysene	**160**		80	9.5	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Dibenz(a,h)anthracene	**40**	**J**	80	8.9	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Dibenzofuran	ND		400	39	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
3,3'-Dichlorobenzidine	ND		400	42	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
2,4-Dichlorophenol	ND		80	8.0	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Diethyl phthalate	ND		400	44	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
2,4-Dimethylphenol	ND		400	63	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Dimethyl phthalate	ND		400	44	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Di-n-butyl phthalate	ND		400	50	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
2,4-Dinitrophenol	ND		2000	480	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
2,4-Dinitrotoluene	ND		400	32	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
2,6-Dinitrotoluene	ND		400	41	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Di-n-octyl phthalate	ND		400	42	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
1,4-Dioxane	ND		800	46	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Fluoranthene	**230**		80	8.5	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Fluorene	ND		80	11	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Hexachlorobenzene	ND		80	8.5	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Hexachlorobutadiene	ND		80	8.9	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Hexachlorocyclopentadiene	ND		400	43	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Hexachloroethane	ND		400	29	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Indeno[1,2,3-cd]pyrene	**130**		80	8.2	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Isophorone	ND		400	30	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
2-Methylnaphthalene	**32**	**J**	80	7.2	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
2-Methylphenol	ND		400	28	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Methylphenol, 3 & 4	ND		400	39	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Naphthalene	**72**	**J**	80	6.9	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Nitrobenzene	ND		800	33	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
2-Nitrophenol	ND		400	44	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
4-Nitrophenol	ND		2000	150	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
N-Nitrosodi-n-propylamine	ND		80	9.4	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
N-Nitrosodiphenylamine	ND		400	37	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
2,2'-oxybis[1-chloropropane]	ND		80	8.6	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Pentachlorophenol	ND		400	36	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35776-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: DUP-08
Lab Sample ID: 180-35776-66
Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 82.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	**120**		80	13	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Phenol	ND		80	9.4	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
Pyrene	**230**		80	8.1	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
1,2,4,5-Tetrachlorobenzene	ND		400	30	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
2,3,4,6-Tetrachlorophenol	ND		400	26	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
2,4,5-Trichlorophenol	ND		400	43	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1
2,4,6-Trichlorophenol	ND		400	60	ug/Kg	☼	08/25/14 17:20	08/26/14 19:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*490*	*T J*	*ug/Kg*	☼	*13.19*		*08/25/14 17:20*	*08/26/14 19:24*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*15.93*		*08/25/14 17:20*	*08/26/14 19:24*	*1*
Unknown	*660*	*T J*	*ug/Kg*	☼	*16.31*		*08/25/14 17:20*	*08/26/14 19:24*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*16.72*		*08/25/14 17:20*	*08/26/14 19:24*	*1*
Unknown	*410*	*T J*	*ug/Kg*	☼	*16.78*		*08/25/14 17:20*	*08/26/14 19:24*	*1*
Unknown	*860*	*T J*	*ug/Kg*	☼	*17.80*		*08/25/14 17:20*	*08/26/14 19:24*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*18.19*		*08/25/14 17:20*	*08/26/14 19:24*	*1*
Unknown	*520*	*T J*	*ug/Kg*	☼	*19.35*		*08/25/14 17:20*	*08/26/14 19:24*	*1*
Unknown	*650*	*T J*	*ug/Kg*	☼	*20.10*		*08/25/14 17:20*	*08/26/14 19:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*08/25/14 17:20*	*08/26/14 19:24*	*1*
2-Fluorophenol (Surr)	*66*		*39 - 103*	*08/25/14 17:20*	*08/26/14 19:24*	*1*
Nitrobenzene-d5 (Surr)	*70*		*25 - 104*	*08/25/14 17:20*	*08/26/14 19:24*	*1*
Phenol-d5 (Surr)	*67*		*25 - 105*	*08/25/14 17:20*	*08/26/14 19:24*	*1*
Terphenyl-d14 (Surr)	*68*		*25 - 127*	*08/25/14 17:20*	*08/26/14 19:24*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*35 - 124*	*08/25/14 17:20*	*08/26/14 19:24*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.1	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
alpha-BHC	ND		2.1	0.33	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
alpha-Chlordane	**0.84**	**J**	2.1	0.40	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
beta-BHC	ND		2.1	0.52	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
4,4'-DDD	ND		2.1	0.26	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
4,4'-DDE	ND		2.1	0.30	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
4,4'-DDT	ND		2.1	0.30	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
delta-BHC	ND		2.1	0.31	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
Dieldrin	ND		2.1	0.34	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
Endosulfan I	ND		2.1	0.38	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
Endosulfan II	ND		2.1	0.36	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
Endosulfan sulfate	ND		2.1	0.21	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
Endrin	ND		2.1	0.39	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
Endrin aldehyde	ND		2.1	0.39	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
Endrin ketone	ND		2.1	0.31	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
gamma-BHC (Lindane)	ND		2.1	0.35	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
gamma-Chlordane	**1.2**	**J**	2.1	0.40	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
Heptachlor	ND		2.1	0.45	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
Heptachlor epoxide	ND		2.1	0.39	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
Methoxychlor	ND		4.0	0.42	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1
Toxaphene	ND		81	13	ug/Kg	☼	08/25/14 06:15	08/26/14 20:57	1

Client Sample Results

Client Sample ID: DUP-08 — **Lab Sample ID: 180-35776-66**
Date Collected: 08/13/14 00:00 — **Matrix: Solid**
Date Received: 08/14/14 13:08 — **Percent Solids: 82.3**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/25/14 06:15*	*08/26/14 20:57*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 130*	*08/25/14 06:15*	*08/26/14 20:57*	*1*
Tetrachloro-m-xylene	*41*	*X*	*45 - 130*	*08/25/14 06:15*	*08/26/14 20:57*	*1*
Tetrachloro-m-xylene	*40*	*X*	*45 - 130*	*08/25/14 06:15*	*08/26/14 20:57*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	3.0	ug/Kg	☼	08/25/14 06:15	08/27/14 06:26	1
PCB-1221	ND		20	3.8	ug/Kg	☼	08/25/14 06:15	08/27/14 06:26	1
PCB-1232	ND		20	3.4	ug/Kg	☼	08/25/14 06:15	08/27/14 06:26	1
PCB-1242	ND		20	3.3	ug/Kg	☼	08/25/14 06:15	08/27/14 06:26	1
PCB-1248	**93**		20	1.9	ug/Kg	☼	08/25/14 06:15	08/27/14 06:26	1
PCB-1254	ND		20	2.9	ug/Kg	☼	08/25/14 06:15	08/27/14 06:26	1
PCB-1260	**17**	**J p**	20	2.9	ug/Kg	☼	08/25/14 06:15	08/27/14 06:58	1
PCB-1262	ND		20	4.4	ug/Kg	☼	08/25/14 06:15	08/27/14 06:26	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/25/14 06:15	08/27/14 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/25/14 06:15*	*08/27/14 06:26*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/25/14 06:15*	*08/27/14 06:58*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*45 - 135*	*08/25/14 06:15*	*08/27/14 06:26*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*	*08/25/14 06:15*	*08/27/14 06:58*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8900**		23	2.4	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Antimony	ND		1.2	0.23	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Arsenic	**6.5**		1.2	0.35	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Barium	**85**		23	0.015	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Beryllium	**0.38**	**J**	0.46	0.013	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Cadmium	**0.083**	**J**	0.58	0.017	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Calcium	**2900**		580	1.7	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Chromium	**11**	**B**	0.58	0.089	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Cobalt	**5.9**		5.8	0.048	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Copper	**40**		2.9	0.17	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Iron	**17000**		12	1.0	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Lead	**32**		1.2	0.12	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Magnesium	**2000**		580	2.4	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Manganese	**330**		1.7	0.10	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Nickel	**31**	**B**	4.6	0.055	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Potassium	**560**	**J**	580	7.4	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Selenium	**0.42**	**J**	1.2	0.31	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Silver	ND		0.58	0.047	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Sodium	**180**	**J B**	580	1.2	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Vanadium	**15**		5.8	0.20	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1
Zinc	**75**	**B**	2.3	0.12	mg/Kg	☼	08/26/14 09:01	08/28/14 09:42	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**	**J**	0.039	0.013	mg/Kg	☼	08/25/14 10:13	08/25/14 14:36	1

Client Sample ID: DUP-08

Lab Sample ID: 180-35776-66

Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18**		0.10	0.10	%			08/15/14 12:29	1
Percent Solids	**82**		0.10	0.10	%			08/15/14 12:29	1
Cyanide, Total	ND		0.62	0.18	mg/Kg	☼	08/21/14 12:25	08/21/14 14:02	1

Client Sample ID: DUP-09

Lab Sample ID: 180-35776-67

Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 84.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.3	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Benzene	ND		4.3	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Bromoform	ND		4.3	0.38	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Bromomethane	ND		4.3	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
2-Butanone (MEK)	ND		4.3	0.75	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Carbon disulfide	ND		4.3	0.44	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Carbon tetrachloride	ND		4.3	0.38	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Chlorobenzene	ND		4.3	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Chlorobromomethane	ND		4.3	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Chlorodibromomethane	ND		4.3	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Chloroethane	ND		4.3	1.3	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Chloroform	ND		4.3	0.50	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Chloromethane	ND		4.3	0.73	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
cis-1,2-Dichloroethene	ND		4.3	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
cis-1,3-Dichloropropene	ND		4.3	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Cyclohexane	ND		4.3	0.32	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
1,2-Dibromo-3-Chloropropane	ND		4.3	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
1,2-Dibromoethane	ND		4.3	0.74	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
1,2-Dichlorobenzene	ND		4.3	0.68	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
1,3-Dichlorobenzene	ND		4.3	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
1,4-Dichlorobenzene	ND		4.3	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Dichlorobromomethane	ND		4.3	0.48	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Dichlorodifluoromethane	ND		4.3	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
1,1-Dichloroethane	ND		4.3	0.49	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
1,2-Dichloroethane	ND		4.3	0.52	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
1,1-Dichloroethene	ND		4.3	0.72	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
1,2-Dichloropropane	ND		4.3	0.46	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
1,4-Dioxane	ND		850	240	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Ethylbenzene	ND		4.3	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
2-Hexanone	ND		4.3	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Isopropylbenzene	ND		4.3	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Methyl acetate	ND		4.3	0.77	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Methylcyclohexane	ND		4.3	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Methylene Chloride	ND		4.3	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
4-Methyl-2-pentanone (MIBK)	ND		4.3	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Methyl tert-butyl ether	ND		4.3	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
m-Xylene & p-Xylene	ND		8.5	1.3	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
o-Xylene	ND		4.3	0.66	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Styrene	ND		4.3	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1

Client Sample ID: DUP-09 **Lab Sample ID: 180-35776-67**
Date Collected: 08/13/14 00:00 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 84.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		4.3	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Toluene	ND		4.3	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
trans-1,2-Dichloroethene	ND		4.3	0.51	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
trans-1,3-Dichloropropene	ND		4.3	0.51	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
1,2,3-Trichlorobenzene	ND		4.3	0.72	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
1,2,4-Trichlorobenzene	ND		4.3	0.75	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
1,1,1-Trichloroethane	ND		4.3	0.41	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
1,1,2-Trichloroethane	ND		4.3	0.71	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Trichloroethene	ND		4.3	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Trichlorofluoromethane	ND		4.3	0.78	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3	0.91	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1
Vinyl chloride	ND		4.3	0.40	ug/Kg	☼	08/18/14 04:22	08/18/14 14:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/18/14 04:22*	*08/18/14 14:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/18/14 04:22*	*08/18/14 14:15*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/18/14 04:22*	*08/18/14 14:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*52 - 124*	*08/18/14 04:22*	*08/18/14 14:15*	*1*
Toluene-d8 (Surr)	*101*		*72 - 127*	*08/18/14 04:22*	*08/18/14 14:15*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	7.6	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Acenaphthylene	ND		79	9.0	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Acetophenone	ND		390	32	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Anthracene	ND		79	7.7	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Atrazine	ND		390	38	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Benzaldehyde	ND		390	59	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Benzo[a]anthracene	ND		79	9.9	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Benzo[a]pyrene	ND		79	7.9	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Benzo[b]fluoranthene	ND		79	12	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Benzo[g,h,i]perylene	ND		79	7.8	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Benzo[k]fluoranthene	ND		79	16	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
1,1'-Biphenyl	ND		390	35	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Bis(2-chloroethoxy)methane	ND		390	26	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Bis(2-chloroethyl)ether	ND		79	11	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Bis(2-ethylhexyl) phthalate	ND		790	64	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
4-Bromophenyl phenyl ether	ND		390	34	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Butyl benzyl phthalate	ND		390	54	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Caprolactam	ND		2000	300	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Carbazole	ND		79	7.2	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
4-Chloroaniline	ND		390	31	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
4-Chloro-3-methylphenol	ND		390	36	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
2-Chloronaphthalene	ND		79	8.2	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
2-Chlorophenol	ND		390	32	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
4-Chlorophenyl phenyl ether	ND		390	44	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Chrysene	ND		79	9.4	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Dibenz(a,h)anthracene	ND		79	8.7	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1

Client Sample Results

Client Sample ID: DUP-09
Lab Sample ID: 180-35776-67
Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 84.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		390	39	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
3,3'-Dichlorobenzidine	ND		390	42	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
2,4-Dichlorophenol	ND		79	7.9	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Diethyl phthalate	ND		390	43	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
2,4-Dimethylphenol	ND		390	61	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Dimethyl phthalate	ND		390	43	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Di-n-butyl phthalate	ND		390	49	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
2,4-Dinitrophenol	ND		2000	470	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
2,4-Dinitrotoluene	ND		390	32	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
2,6-Dinitrotoluene	ND		390	41	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Di-n-octyl phthalate	ND		390	41	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
1,4-Dioxane	ND		790	45	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Fluoranthene	ND		79	8.4	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Fluorene	ND		79	10	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Hexachlorobenzene	ND		79	8.4	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Hexachlorobutadiene	ND		79	8.8	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Hexachlorocyclopentadiene	ND		390	42	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Hexachloroethane	ND		390	28	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Indeno[1,2,3-cd]pyrene	ND		79	8.1	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Isophorone	ND		390	30	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
2-Methylnaphthalene	ND		79	7.1	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
2-Methylphenol	ND		390	27	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Methylphenol, 3 & 4	ND		390	38	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Naphthalene	ND		79	6.8	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Nitrobenzene	ND		790	33	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
2-Nitrophenol	ND		390	43	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
4-Nitrophenol	ND		2000	140	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
N-Nitrosodi-n-propylamine	ND		79	9.2	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
N-Nitrosodiphenylamine	ND		390	36	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
2,2'-oxybis[1-chloropropane]	ND		79	8.5	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Pentachlorophenol	ND		390	35	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Phenanthrene	ND		79	13	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Phenol	ND		79	9.3	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
Pyrene	ND		79	8.0	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
1,2,4,5-Tetrachlorobenzene	ND		390	30	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
2,3,4,6-Tetrachlorophenol	ND		390	25	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
2,4,5-Trichlorophenol	ND		390	42	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1
2,4,6-Trichlorophenol	ND		390	59	ug/Kg	☼	08/25/14 17:20	08/26/14 19:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*240*	*T J*	*ug/Kg*	☼	*13.19*		*08/25/14 17:20*	*08/26/14 19:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 105*	*08/25/14 17:20*	*08/26/14 19:52*	*1*
2-Fluorophenol (Surr)	*63*		*39 - 103*	*08/25/14 17:20*	*08/26/14 19:52*	*1*
Nitrobenzene-d5 (Surr)	*69*		*25 - 104*	*08/25/14 17:20*	*08/26/14 19:52*	*1*

Client Sample Results

Client Sample ID: DUP-09
Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-67
Matrix: Solid
Percent Solids: 84.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*65*		*25 - 105*	*08/25/14 17:20*	*08/26/14 19:52*	*1*
Terphenyl-d14 (Surr)	*65*		*25 - 127*	*08/25/14 17:20*	*08/26/14 19:52*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*35 - 124*	*08/25/14 17:20*	*08/26/14 19:52*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
alpha-BHC	ND		2.0	0.31	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
alpha-Chlordane	ND		2.0	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
beta-BHC	ND		2.0	0.50	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
4,4'-DDD	ND		2.0	0.25	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
4,4'-DDE	ND		2.0	0.29	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
4,4'-DDT	ND		2.0	0.29	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
delta-BHC	ND		2.0	0.29	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
Dieldrin	ND		2.0	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
Endosulfan I	ND		2.0	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
Endosulfan II	ND		2.0	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
Endosulfan sulfate	ND		2.0	0.20	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
Endrin	ND		2.0	0.37	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
Endrin aldehyde	ND		2.0	0.37	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
Endrin ketone	ND		2.0	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
gamma-BHC (Lindane)	ND		2.0	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
gamma-Chlordane	ND		2.0	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
Heptachlor	ND		2.0	0.43	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
Heptachlor epoxide	ND		2.0	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
Methoxychlor	ND		3.8	0.40	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1
Toxaphene	ND		77	13	ug/Kg	☼	08/26/14 07:50	08/27/14 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 130*	*08/26/14 07:50*	*08/27/14 16:58*	*1*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 130*	*08/26/14 07:50*	*08/27/14 16:58*	*1*
Tetrachloro-m-xylene	*65*		*45 - 130*	*08/26/14 07:50*	*08/27/14 16:58*	*1*
Tetrachloro-m-xylene	*66*		*45 - 130*	*08/26/14 07:50*	*08/27/14 16:58*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.9	ug/Kg	☼	08/26/14 07:50	08/27/14 23:14	1
PCB-1221	ND		19	3.7	ug/Kg	☼	08/26/14 07:50	08/27/14 23:14	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/26/14 07:50	08/27/14 23:14	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/26/14 07:50	08/27/14 23:14	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/26/14 07:50	08/27/14 23:14	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/26/14 07:50	08/27/14 23:14	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/26/14 07:50	08/27/14 23:14	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/26/14 07:50	08/27/14 23:14	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/26/14 07:50	08/27/14 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*63*		*45 - 125*	*08/26/14 07:50*	*08/27/14 23:14*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 125*	*08/26/14 07:50*	*08/27/14 23:46*	*1*
Tetrachloro-m-xylene (Surr)	*66*		*45 - 135*	*08/26/14 07:50*	*08/27/14 23:14*	*1*

Client Sample ID: DUP-09

Lab Sample ID: 180-35776-67

Date Collected: 08/13/14 00:00

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 84.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*72*		*45 - 135*	*08/26/14 07:50*	*08/27/14 23:46*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		24	2.5	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Antimony	ND		1.2	0.24	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Arsenic	**8.4**		1.2	0.36	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Barium	**90**		24	0.015	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Beryllium	**0.50**		0.47	0.013	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Cadmium	**0.032**	**J**	0.59	0.017	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Calcium	**1300**		590	1.8	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Chromium	**12**	**B**	0.59	0.092	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Cobalt	**7.9**		5.9	0.050	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Copper	**17**		3.0	0.17	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Iron	**21000**		12	1.1	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Lead	**13**		1.2	0.12	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Magnesium	**2500**		590	2.5	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Manganese	**530**		1.8	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Nickel	**16**	**B**	4.7	0.056	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Potassium	**840**		590	7.6	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Selenium	**0.55**	**J**	1.2	0.32	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Silver	ND		0.59	0.048	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Sodium	**180**	**J B**	590	1.3	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Thallium	**0.18**	**J**	2.4	0.17	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Vanadium	**16**		5.9	0.21	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1
Zinc	**59**	**B**	2.4	0.12	mg/Kg	☼	08/26/14 09:01	08/28/14 09:47	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.029**	**J**	0.038	0.013	mg/Kg	☼	08/25/14 10:13	08/25/14 14:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16**		0.10	0.10	%			08/15/14 12:29	1
Percent Solids	**84**		0.10	0.10	%			08/15/14 12:29	1
Cyanide, Total	ND		0.60	0.18	mg/Kg	☼	08/21/14 12:25	08/21/14 14:02	1

Client Sample ID: DUP-10

Lab Sample ID: 180-35776-68

Date Collected: 08/13/14 00:00

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 88.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.5	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Benzene	ND		4.5	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Bromoform	ND		4.5	0.40	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Bromomethane	ND		4.5	0.66	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
2-Butanone (MEK)	ND		4.5	0.79	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Carbon disulfide	ND		4.5	0.46	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Carbon tetrachloride	ND		4.5	0.40	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1

Client Sample ID: DUP-10
Lab Sample ID: 180-35776-68
Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		4.5	0.68	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Chlorobromomethane	ND		4.5	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Chlorodibromomethane	ND		4.5	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Chloroethane	ND		4.5	1.4	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Chloroform	ND		4.5	0.52	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Chloromethane	ND		4.5	0.76	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
cis-1,2-Dichloroethene	ND		4.5	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
cis-1,3-Dichloropropene	ND		4.5	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Cyclohexane	ND		4.5	0.33	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
1,2-Dibromo-3-Chloropropane	ND		4.5	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
1,2-Dibromoethane	ND		4.5	0.77	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
1,2-Dichlorobenzene	ND		4.5	0.71	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
1,3-Dichlorobenzene	ND		4.5	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
1,4-Dichlorobenzene	ND		4.5	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Dichlorobromomethane	ND		4.5	0.50	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Dichlorodifluoromethane	ND		4.5	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
1,1-Dichloroethane	ND		4.5	0.52	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
1,2-Dichloroethane	ND		4.5	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
1,1-Dichloroethene	ND		4.5	0.76	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
1,2-Dichloropropane	ND		4.5	0.49	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
1,4-Dioxane	ND		900	250	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Ethylbenzene	ND		4.5	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
2-Hexanone	ND		4.5	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Isopropylbenzene	ND		4.5	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Methyl acetate	ND		4.5	0.81	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Methylcyclohexane	ND		4.5	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Methylene Chloride	ND		4.5	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
4-Methyl-2-pentanone (MIBK)	ND		4.5	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Methyl tert-butyl ether	ND		4.5	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
m-Xylene & p-Xylene	ND		9.0	1.3	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
o-Xylene	ND		4.5	0.70	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Styrene	ND		4.5	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
1,1,2,2-Tetrachloroethane	ND		4.5	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Tetrachloroethene	ND		4.5	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Toluene	ND		4.5	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
trans-1,2-Dichloroethene	ND		4.5	0.53	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
1,2,3-Trichlorobenzene	ND		4.5	0.76	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
1,2,4-Trichlorobenzene	ND		4.5	0.79	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
1,1,1-Trichloroethane	ND		4.5	0.44	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
1,1,2-Trichloroethane	ND		4.5	0.74	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Trichloroethene	ND		4.5	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Trichlorofluoromethane	ND		4.5	0.82	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	0.96	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1
Vinyl chloride	ND		4.5	0.42	ug/Kg	☼	08/18/14 04:22	08/18/14 14:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/18/14 04:22*	*08/18/14 14:37*	*1*

Client Sample ID: DUP-10
Lab Sample ID: 180-35776-68
Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 88.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*08/18/14 04:22*	*08/18/14 14:37*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/18/14 04:22*	*08/18/14 14:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*52 - 124*	*08/18/14 04:22*	*08/18/14 14:37*	*1*
Toluene-d8 (Surr)	*100*		*72 - 127*	*08/18/14 04:22*	*08/18/14 14:37*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	7.2	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Acenaphthylene	ND		75	8.6	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Acetophenone	ND		370	31	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Anthracene	ND		75	7.3	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Atrazine	ND		370	37	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Benzo[a]anthracene	ND		75	9.4	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Benzo[a]pyrene	ND		75	7.5	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Benzo[b]fluoranthene	ND		75	12	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Benzo[g,h,i]perylene	ND		75	7.5	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Benzo[k]fluoranthene	ND		75	15	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Bis(2-ethylhexyl) phthalate	ND		750	61	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
4-Bromophenyl phenyl ether	ND		370	33	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Carbazole	ND		75	6.9	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
4-Chloro-3-methylphenol	ND		370	35	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
2-Chloronaphthalene	ND		75	7.8	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
4-Chlorophenyl phenyl ether	ND		370	42	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Chrysene	ND		75	8.9	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Dibenz(a,h)anthracene	ND		75	8.3	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
3,3'-Dichlorobenzidine	ND		370	40	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
2,4-Dichlorophenol	ND		75	7.5	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
2,4-Dimethylphenol	ND		370	59	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Di-n-octyl phthalate	ND		370	40	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Fluoranthene	ND		75	8.0	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Fluorene	ND		75	9.9	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Hexachlorobenzene	ND		75	8.0	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Hexachlorobutadiene	ND		75	8.4	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35776-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: DUP-10
Lab Sample ID: 180-35776-68
Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 88.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Indeno[1,2,3-cd]pyrene	ND		75	7.7	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Isophorone	ND		370	28	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
2-Methylnaphthalene	ND		75	6.7	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Naphthalene	ND		75	6.5	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
N-Nitrosodi-n-propylamine	ND		75	8.8	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
2,2'-oxybis[1-chloropropane]	ND		75	8.1	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Pentachlorophenol	ND		370	34	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Phenanthrene	ND		75	12	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Phenol	ND		75	8.9	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
Pyrene	ND		75	7.6	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/25/14 17:20	08/26/14 20:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*350*	*T J*	*ug/Kg*	☼	*11.17*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*11.44*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*11.64*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*2300*	*T J*	*ug/Kg*	☼	*12.78*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*410*	*T J*	*ug/Kg*	☼	*12.83*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*590*	*T J*	*ug/Kg*	☼	*12.87*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*600*	*T J*	*ug/Kg*	☼	*13.53*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*1300*	*T J*	*ug/Kg*	☼	*13.97*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*14.02*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*810*	*T J*	*ug/Kg*	☼	*14.38*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*460*	*T J*	*ug/Kg*	☼	*14.67*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*640*	*T J*	*ug/Kg*	☼	*14.91*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*860*	*T J*	*ug/Kg*	☼	*15.40*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*15.78*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*840*	*T J*	*ug/Kg*	☼	*15.93*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*2300*	*T J*	*ug/Kg*	☼	*15.94*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*920*	*T J*	*ug/Kg*	☼	*15.97*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*1500*	*T J*	*ug/Kg*	☼	*16.02*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*16.16*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*970*	*T J*	*ug/Kg*	☼	*16.24*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*3100*	*T J*	*ug/Kg*	☼	*16.39*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*2300*	*T J*	*ug/Kg*	☼	*16.62*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*2600*	*T J*	*ug/Kg*	☼	*16.81*		*08/25/14 17:20*	*08/26/14 20:20*	*1*

Client Sample ID: DUP-10

Lab Sample ID: 180-35776-68

Date Collected: 08/13/14 00:00

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 88.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5800*	*T J*	*ug/Kg*	☼	*17.59*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*3800*	*T J*	*ug/Kg*	☼	*17.93*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*3900*	*T J*	*ug/Kg*	☼	*18.50*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*1500*	*T J*	*ug/Kg*	☼	*18.69*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*840*	*T J*	*ug/Kg*	☼	*19.03*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*14000*	*T J*	*ug/Kg*	☼	*19.15*		*08/25/14 17:20*	*08/26/14 20:20*	*1*
Unknown	*880*	*T J*	*ug/Kg*	☼	*19.58*		*08/25/14 17:20*	*08/26/14 20:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*08/25/14 17:20*	*08/26/14 20:20*	*1*
2-Fluorophenol (Surr)	*65*		*39 - 103*	*08/25/14 17:20*	*08/26/14 20:20*	*1*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/25/14 17:20*	*08/26/14 20:20*	*1*
Phenol-d5 (Surr)	*64*		*25 - 105*	*08/25/14 17:20*	*08/26/14 20:20*	*1*
Terphenyl-d14 (Surr)	*62*		*25 - 127*	*08/25/14 17:20*	*08/26/14 20:20*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*35 - 124*	*08/25/14 17:20*	*08/26/14 20:20*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
4,4'-DDT	ND		1.9	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
Methoxychlor	**0.66**	**J**	3.6	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1
Toxaphene	ND		74	12	ug/Kg	☼	08/26/14 07:50	08/27/14 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 130*	*08/26/14 07:50*	*08/27/14 17:13*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 130*	*08/26/14 07:50*	*08/27/14 17:13*	*1*
Tetrachloro-m-xylene	*69*		*45 - 130*	*08/26/14 07:50*	*08/27/14 17:13*	*1*
Tetrachloro-m-xylene	*67*		*45 - 130*	*08/26/14 07:50*	*08/27/14 17:13*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/26/14 07:50	08/27/14 23:46	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/26/14 07:50	08/27/14 23:46	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: DUP-10
Date Collected: 08/13/14 00:00
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-68
Matrix: Solid
Percent Solids: 88.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		18	3.1	ug/Kg	☼	08/26/14 07:50	08/27/14 23:46	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/26/14 07:50	08/27/14 23:46	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/26/14 07:50	08/27/14 23:46	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/26/14 07:50	08/27/14 23:46	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/26/14 07:50	08/27/14 23:46	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/26/14 07:50	08/27/14 23:46	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/26/14 07:50	08/27/14 23:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*63*		*45 - 125*	*08/26/14 07:50*	*08/27/14 23:46*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 125*	*08/26/14 07:50*	*08/28/14 00:17*	*1*
Tetrachloro-m-xylene (Surr)	*67*		*45 - 135*	*08/26/14 07:50*	*08/27/14 23:46*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*45 - 135*	*08/26/14 07:50*	*08/28/14 00:17*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6800**		21	2.2	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Antimony	ND		1.0	0.21	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Arsenic	**7.9**		1.0	0.32	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Barium	**72**		21	0.013	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Beryllium	**0.30**	**J**	0.41	0.012	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Cadmium	**0.11**	**J**	0.52	0.015	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Calcium	**1200**		520	1.5	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Chromium	**8.9**	**B**	0.52	0.080	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Cobalt	**6.6**		5.2	0.043	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Copper	**22**		2.6	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Iron	**17000**		10	0.92	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Lead	**14**		1.0	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Magnesium	**2300**		520	2.1	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Manganese	**420**		1.5	0.092	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Nickel	**15**	**B**	4.1	0.049	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Potassium	**790**		520	6.6	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Selenium	ND		1.0	0.28	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Sodium	**110**	**J B**	520	1.1	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Vanadium	**13**		5.2	0.18	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1
Zinc	**56**	**B**	2.1	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 09:52	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.017**	**J**	0.036	0.012	mg/Kg	☼	08/25/14 10:13	08/25/14 14:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			08/15/14 12:29	1
Percent Solids	**89**		0.10	0.10	%			08/15/14 12:29	1
Cyanide, Total	ND		0.55	0.16	mg/Kg	☼	08/21/14 12:25	08/21/14 14:02	1

Client Sample Results

Client Sample ID: SSHS-B97-GW-18-22
Lab Sample ID: 180-35776-69
Date Collected: 08/13/14 09:36
Matrix: Water
Date Received: 08/14/14 13:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**32**		5.0	2.5	ug/L			08/25/14 15:30	1
Benzene	ND		1.0	0.11	ug/L			08/25/14 15:30	1
Bromoform	ND		1.0	0.19	ug/L			08/25/14 15:30	1
Bromomethane	ND		1.0	0.31	ug/L			08/25/14 15:30	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/25/14 15:30	1
Carbon disulfide	**0.21**	**J**	1.0	0.21	ug/L			08/25/14 15:30	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/25/14 15:30	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/25/14 15:30	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/25/14 15:30	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/25/14 15:30	1
Chloroethane	ND		1.0	0.21	ug/L			08/25/14 15:30	1
Chloroform	ND		1.0	0.17	ug/L			08/25/14 15:30	1
Chloromethane	ND		1.0	0.28	ug/L			08/25/14 15:30	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/25/14 15:30	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/25/14 15:30	1
Cyclohexane	ND		1.0	0.25	ug/L			08/25/14 15:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/25/14 15:30	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/25/14 15:30	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/25/14 15:30	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/25/14 15:30	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/25/14 15:30	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/25/14 15:30	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/25/14 15:30	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/25/14 15:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/25/14 15:30	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/25/14 15:30	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/25/14 15:30	1
1,4-Dioxane	ND		200	34	ug/L			08/25/14 15:30	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/25/14 15:30	1
2-Hexanone	ND		5.0	0.16	ug/L			08/25/14 15:30	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/25/14 15:30	1
Methyl acetate	ND		1.0	0.14	ug/L			08/25/14 15:30	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/25/14 15:30	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/25/14 15:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/25/14 15:30	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/25/14 15:30	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/25/14 15:30	1
o-Xylene	ND		1.0	0.11	ug/L			08/25/14 15:30	1
Styrene	ND		1.0	0.097	ug/L			08/25/14 15:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/25/14 15:30	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/25/14 15:30	1
Toluene	ND		1.0	0.15	ug/L			08/25/14 15:30	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/25/14 15:30	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/25/14 15:30	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/25/14 15:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/25/14 15:30	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/25/14 15:30	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/25/14 15:30	1
Trichloroethene	ND		1.0	0.14	ug/L			08/25/14 15:30	1

Client Sample ID: SSHS-B97-GW-18-22

Lab Sample ID: 180-35776-69

Date Collected: 08/13/14 09:36

Matrix: Water

Date Received: 08/14/14 13:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/25/14 15:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/25/14 15:30	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/25/14 15:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl Alcohol	*22*	*T J N*	*ug/L*		*3.62*	*67-63-0*		*08/25/14 15:30*	*1*
Cyclohexane, 1,1,3-trimethyl-	*4.2*	*T J N*	*ug/L*		*9.89*	*3073-66-3*		*08/25/14 15:30*	*1*
Cyclohexane, 1,2,4-trimethyl-, (1.alpha.	*6.1*	*T J N*	*ug/L*		*10.13*	*7667-60-9*		*08/25/14 15:30*	*1*
Unknown Cycloalkane	*3.8*	*T J*	*ug/L*		*10.51*			*08/25/14 15:30*	*1*
Cyclohexane, 1,1,2-trimethyl-	*4.9*	*T J N*	*ug/L*		*10.65*	*7094-26-0*		*08/25/14 15:30*	*1*
Cyclohexane, 1-ethyl-2-methyl-, trans-	*8.0*	*T J N*	*ug/L*		*10.95*	*4923-78-8*		*08/25/14 15:30*	*1*
Cyclohexane, 1,1,2,3-tetramethyl-	*9.8*	*T J N*	*ug/L*		*11.72*	*6783-92-2*		*08/25/14 15:30*	*1*
Unknown Hydrocarbon	*4.5*	*T J*	*ug/L*		*11.92*			*08/25/14 15:30*	*1*
Unknown Hydrocarbon	*3.2*	*T J*	*ug/L*		*12.36*			*08/25/14 15:30*	*1*
Unknown	*4.2*	*T J*	*ug/L*		*13.74*			*08/25/14 15:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 118*		*08/25/14 15:30*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 128*		*08/25/14 15:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*64 - 135*		*08/25/14 15:30*	*1*
Toluene-d8 (Surr)	*104*		*71 - 118*		*08/25/14 15:30*	*1*

Client Sample ID: SSHS-B98-GW-18-22

Lab Sample ID: 180-35776-70

Date Collected: 08/13/14 11:42

Matrix: Water

Date Received: 08/14/14 13:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**40**		5.0	2.5	ug/L			08/24/14 16:43	1
Benzene	ND		1.0	0.11	ug/L			08/24/14 16:43	1
Bromoform	ND		1.0	0.19	ug/L			08/24/14 16:43	1
Bromomethane	ND		1.0	0.31	ug/L			08/24/14 16:43	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/24/14 16:43	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/24/14 16:43	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/24/14 16:43	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/24/14 16:43	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/24/14 16:43	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/24/14 16:43	1
Chloroethane	ND		1.0	0.21	ug/L			08/24/14 16:43	1
Chloroform	ND		1.0	0.17	ug/L			08/24/14 16:43	1
Chloromethane	ND		1.0	0.28	ug/L			08/24/14 16:43	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/24/14 16:43	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/24/14 16:43	1
Cyclohexane	ND		1.0	0.25	ug/L			08/24/14 16:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/24/14 16:43	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/24/14 16:43	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/24/14 16:43	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/24/14 16:43	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/24/14 16:43	1

Client Sample ID: SSHS-B98-GW-18-22

Lab Sample ID: 180-35776-70

Date Collected: 08/13/14 11:42

Matrix: Water

Date Received: 08/14/14 13:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/24/14 16:43	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/24/14 16:43	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/24/14 16:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/24/14 16:43	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/14 16:43	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/24/14 16:43	1
1,4-Dioxane	ND		200	34	ug/L			08/24/14 16:43	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/24/14 16:43	1
2-Hexanone	ND		5.0	0.16	ug/L			08/24/14 16:43	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/24/14 16:43	1
Methyl acetate	ND		1.0	0.14	ug/L			08/24/14 16:43	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/24/14 16:43	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/24/14 16:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/24/14 16:43	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/24/14 16:43	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/24/14 16:43	1
o-Xylene	ND		1.0	0.11	ug/L			08/24/14 16:43	1
Styrene	ND		1.0	0.097	ug/L			08/24/14 16:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/24/14 16:43	1
Tetrachloroethene	**0.18**	**J**	1.0	0.15	ug/L			08/24/14 16:43	1
Toluene	ND		1.0	0.15	ug/L			08/24/14 16:43	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/24/14 16:43	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/24/14 16:43	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/24/14 16:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/24/14 16:43	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/24/14 16:43	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/24/14 16:43	1
Trichloroethene	ND		1.0	0.14	ug/L			08/24/14 16:43	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/14 16:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/24/14 16:43	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/24/14 16:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl Alcohol	*34*	*T J N*	*ug/L*		*3.62*	*67-63-0*		*08/24/14 16:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 118*		*08/24/14 16:43*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 128*		*08/24/14 16:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*64 - 135*		*08/24/14 16:43*	*1*
Toluene-d8 (Surr)	*100*		*71 - 118*		*08/24/14 16:43*	*1*

Client Sample ID: SSHS-B29-A-GW-18-22

Lab Sample ID: 180-35776-71

Date Collected: 08/13/14 16:30

Matrix: Water

Date Received: 08/14/14 13:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1200**		130	63	ug/L			08/19/14 22:09	25
Benzene	ND		25	2.6	ug/L			08/19/14 22:09	25
Bromoform	ND		25	4.8	ug/L			08/19/14 22:09	25

Client Sample Results

Client Sample ID: SSHS-B29-A-GW-18-22

Date Collected: 08/13/14 16:30
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-71
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		25	7.8	ug/L			08/19/14 22:09	25
2-Butanone (MEK)	ND		130	14	ug/L			08/19/14 22:09	25
Carbon disulfide	ND		25	5.3	ug/L			08/19/14 22:09	25
Carbon tetrachloride	ND		25	3.4	ug/L			08/19/14 22:09	25
Chlorobenzene	ND		25	3.4	ug/L			08/19/14 22:09	25
Chlorobromomethane	ND		25	4.5	ug/L			08/19/14 22:09	25
Chlorodibromomethane	ND		25	3.4	ug/L			08/19/14 22:09	25
Chloroethane	ND		25	5.4	ug/L			08/19/14 22:09	25
Chloroform	ND		25	4.3	ug/L			08/19/14 22:09	25
Chloromethane	ND		25	7.1	ug/L			08/19/14 22:09	25
cis-1,2-Dichloroethene	ND		25	5.9	ug/L			08/19/14 22:09	25
cis-1,3-Dichloropropene	ND		25	4.7	ug/L			08/19/14 22:09	25
Cyclohexane	ND		25	6.4	ug/L			08/19/14 22:09	25
1,2-Dibromo-3-Chloropropane	ND		25	3.5	ug/L			08/19/14 22:09	25
1,2-Dibromoethane	ND		25	4.5	ug/L			08/19/14 22:09	25
1,2-Dichlorobenzene	ND		25	3.8	ug/L			08/19/14 22:09	25
1,3-Dichlorobenzene	ND	*	25	2.6	ug/L			08/19/14 22:09	25
1,4-Dichlorobenzene	ND		25	5.2	ug/L			08/19/14 22:09	25
Dichlorobromomethane	ND		25	3.3	ug/L			08/19/14 22:09	25
Dichlorodifluoromethane	ND		25	4.8	ug/L			08/19/14 22:09	25
1,1-Dichloroethane	ND		25	2.9	ug/L			08/19/14 22:09	25
1,2-Dichloroethane	ND		25	5.3	ug/L			08/19/14 22:09	25
1,1-Dichloroethene	ND		25	7.4	ug/L			08/19/14 22:09	25
1,2-Dichloropropane	ND		25	2.4	ug/L			08/19/14 22:09	25
1,4-Dioxane	ND		5000	860	ug/L			08/19/14 22:09	25
Ethylbenzene	ND		25	5.7	ug/L			08/19/14 22:09	25
2-Hexanone	ND		130	4.0	ug/L			08/19/14 22:09	25
Isopropylbenzene	ND		25	4.1	ug/L			08/19/14 22:09	25
Methyl acetate	ND		25	3.4	ug/L			08/19/14 22:09	25
Methylcyclohexane	ND		25	6.5	ug/L			08/19/14 22:09	25
Methylene Chloride	**16**	**J B**	25	3.1	ug/L			08/19/14 22:09	25
4-Methyl-2-pentanone (MIBK)	ND		130	13	ug/L			08/19/14 22:09	25
Methyl tert-butyl ether	ND		25	4.6	ug/L			08/19/14 22:09	25
m-Xylene & p-Xylene	ND		50	10	ug/L			08/19/14 22:09	25
o-Xylene	ND		25	2.7	ug/L			08/19/14 22:09	25
Styrene	ND		25	2.4	ug/L			08/19/14 22:09	25
1,1,2,2-Tetrachloroethane	ND		25	5.0	ug/L			08/19/14 22:09	25
Tetrachloroethene	ND		25	3.7	ug/L			08/19/14 22:09	25
Toluene	ND		25	3.8	ug/L			08/19/14 22:09	25
trans-1,2-Dichloroethene	ND		25	4.2	ug/L			08/19/14 22:09	25
trans-1,3-Dichloropropene	ND		25	3.7	ug/L			08/19/14 22:09	25
1,2,3-Trichlorobenzene	ND		25	3.9	ug/L			08/19/14 22:09	25
1,2,4-Trichlorobenzene	ND		25	6.8	ug/L			08/19/14 22:09	25
1,1,1-Trichloroethane	ND		25	7.2	ug/L			08/19/14 22:09	25
1,1,2-Trichloroethane	ND		25	5.0	ug/L			08/19/14 22:09	25
Trichloroethene	ND		25	3.6	ug/L			08/19/14 22:09	25
Trichlorofluoromethane	ND		25	5.0	ug/L			08/19/14 22:09	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	8.0	ug/L			08/19/14 22:09	25
Vinyl chloride	ND		25	5.7	ug/L			08/19/14 22:09	25

Client Sample ID: SSHS-B29-A-GW-18-22

Date Collected: 08/13/14 16:30
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-71

Matrix: Water

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*35*	*T J*	*ug/L*		*1.83*			*08/19/14 22:09*	*25*
Unknown	*32*	*T J*	*ug/L*		*2.25*			*08/19/14 22:09*	*25*
Isopropyl Alcohol	*2800*	*T J N*	*ug/L*		*3.91*	*67-63-0*		*08/19/14 22:09*	*25*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 118*		*08/19/14 22:09*	*25*
Dibromofluoromethane (Surr)	*128*		*70 - 128*		*08/19/14 22:09*	*25*
1,2-Dichloroethane-d4 (Surr)	*109*		*64 - 135*		*08/19/14 22:09*	*25*
Toluene-d8 (Surr)	*98*		*71 - 118*		*08/19/14 22:09*	*25*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.014	ug/L		08/18/14 10:33	08/21/14 15:28	1
Acenaphthylene	ND		0.19	0.014	ug/L		08/18/14 10:33	08/21/14 15:28	1
Acetophenone	ND		0.94	0.075	ug/L		08/18/14 10:33	08/21/14 15:28	1
Anthracene	ND		0.19	0.015	ug/L		08/18/14 10:33	08/21/14 15:28	1
Atrazine	ND		0.94	0.084	ug/L		08/18/14 10:33	08/21/14 15:28	1
Benzaldehyde	ND		0.94	0.14	ug/L		08/18/14 10:33	08/21/14 15:28	1
Benzo[a]anthracene	ND		0.19	0.014	ug/L		08/18/14 10:33	08/21/14 15:28	1
Benzo[a]pyrene	ND	*	0.19	0.013	ug/L		08/18/14 10:33	08/21/14 15:28	1
Benzo[b]fluoranthene	ND	*	0.19	0.015	ug/L		08/18/14 10:33	08/21/14 15:28	1
Benzo[g,h,i]perylene	ND	*	0.19	0.014	ug/L		08/18/14 10:33	08/21/14 15:28	1
Benzo[k]fluoranthene	ND	*	0.19	0.052	ug/L		08/18/14 10:33	08/21/14 15:28	1
1,1'-Biphenyl	ND		0.94	0.039	ug/L		08/18/14 10:33	08/21/14 15:28	1
Bis(2-chloroethoxy)methane	ND		0.94	0.055	ug/L		08/18/14 10:33	08/21/14 15:28	1
Bis(2-chloroethyl)ether	ND		0.19	0.024	ug/L		08/18/14 10:33	08/21/14 15:28	1
Bis(2-ethylhexyl) phthalate	**3.9**		1.9	1.2	ug/L		08/18/14 10:33	08/21/14 15:28	1
4-Bromophenyl phenyl ether	ND		0.94	0.060	ug/L		08/18/14 10:33	08/21/14 15:28	1
Butyl benzyl phthalate	ND		0.94	0.13	ug/L		08/18/14 10:33	08/21/14 15:28	1
Caprolactam	ND		4.7	1.1	ug/L		08/18/14 10:33	08/21/14 15:28	1
Carbazole	ND		0.19	0.015	ug/L		08/18/14 10:33	08/21/14 15:28	1
4-Chloroaniline	ND		0.94	0.083	ug/L		08/18/14 10:33	08/21/14 15:28	1
4-Chloro-3-methylphenol	ND		0.94	0.071	ug/L		08/18/14 10:33	08/21/14 15:28	1
2-Chloronaphthalene	ND		0.19	0.014	ug/L		08/18/14 10:33	08/21/14 15:28	1
2-Chlorophenol	ND		0.94	0.16	ug/L		08/18/14 10:33	08/21/14 15:28	1
4-Chlorophenyl phenyl ether	ND		0.94	0.047	ug/L		08/18/14 10:33	08/21/14 15:28	1
Chrysene	ND		0.19	0.013	ug/L		08/18/14 10:33	08/21/14 15:28	1
Dibenz(a,h)anthracene	ND	*	0.19	0.015	ug/L		08/18/14 10:33	08/21/14 15:28	1
Dibenzofuran	ND		0.94	0.058	ug/L		08/18/14 10:33	08/21/14 15:28	1
3,3'-Dichlorobenzidine	ND		0.94	0.11	ug/L		08/18/14 10:33	08/21/14 15:28	1
2,4-Dichlorophenol	ND		0.19	0.032	ug/L		08/18/14 10:33	08/21/14 15:28	1
Diethyl phthalate	ND		0.94	0.14	ug/L		08/18/14 10:33	08/21/14 15:28	1
2,4-Dimethylphenol	ND		0.94	0.080	ug/L		08/18/14 10:33	08/21/14 15:28	1
Dimethyl phthalate	ND		0.94	0.072	ug/L		08/18/14 10:33	08/21/14 15:28	1
Di-n-butyl phthalate	ND		0.94	0.12	ug/L		08/18/14 10:33	08/21/14 15:28	1
4,6-Dinitro-2-methylphenol	ND		4.7	0.21	ug/L		08/18/14 10:33	08/21/14 15:28	1
2,4-Dinitrophenol	ND		4.7	0.58	ug/L		08/18/14 10:33	08/21/14 15:28	1
2,4-Dinitrotoluene	ND		0.94	0.051	ug/L		08/18/14 10:33	08/21/14 15:28	1
2,6-Dinitrotoluene	ND		0.94	0.075	ug/L		08/18/14 10:33	08/21/14 15:28	1
Di-n-octyl phthalate	ND	*	0.94	0.19	ug/L		08/18/14 10:33	08/21/14 15:28	1

Client Sample ID: SSHS-B29-A-GW-18-22
Lab Sample ID: 180-35776-71
Date Collected: 08/13/14 16:30
Matrix: Water
Date Received: 08/14/14 13:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.9	0.14	ug/L		08/18/14 10:33	08/21/14 15:28	1
Fluoranthene	ND		0.19	0.015	ug/L		08/18/14 10:33	08/21/14 15:28	1
Fluorene	ND		0.19	0.020	ug/L		08/18/14 10:33	08/21/14 15:28	1
Hexachlorobenzene	ND		0.19	0.017	ug/L		08/18/14 10:33	08/21/14 15:28	1
Hexachlorobutadiene	ND		0.19	0.016	ug/L		08/18/14 10:33	08/21/14 15:28	1
Hexachlorocyclopentadiene	ND		0.94	0.049	ug/L		08/18/14 10:33	08/21/14 15:28	1
Hexachloroethane	ND		0.94	0.059	ug/L		08/18/14 10:33	08/21/14 15:28	1
Indeno[1,2,3-cd]pyrene	ND	*	0.19	0.019	ug/L		08/18/14 10:33	08/21/14 15:28	1
Isophorone	ND		0.94	0.061	ug/L		08/18/14 10:33	08/21/14 15:28	1
2-Methylnaphthalene	ND		0.19	0.012	ug/L		08/18/14 10:33	08/21/14 15:28	1
2-Methylphenol	ND		0.94	0.081	ug/L		08/18/14 10:33	08/21/14 15:28	1
Methylphenol, 3 & 4	ND		0.94	0.085	ug/L		08/18/14 10:33	08/21/14 15:28	1
Naphthalene	ND		0.19	0.013	ug/L		08/18/14 10:33	08/21/14 15:28	1
2-Nitroaniline	ND		4.7	0.33	ug/L		08/18/14 10:33	08/21/14 15:28	1
3-Nitroaniline	ND		4.7	0.30	ug/L		08/18/14 10:33	08/21/14 15:28	1
4-Nitroaniline	ND		4.7	0.16	ug/L		08/18/14 10:33	08/21/14 15:28	1
Nitrobenzene	ND		1.9	0.080	ug/L		08/18/14 10:33	08/21/14 15:28	1
2-Nitrophenol	ND		0.94	0.16	ug/L		08/18/14 10:33	08/21/14 15:28	1
4-Nitrophenol	ND		4.7	0.61	ug/L		08/18/14 10:33	08/21/14 15:28	1
N-Nitrosodi-n-propylamine	ND		0.19	0.029	ug/L		08/18/14 10:33	08/21/14 15:28	1
N-Nitrosodiphenylamine	ND		0.94	0.080	ug/L		08/18/14 10:33	08/21/14 15:28	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.019	ug/L		08/18/14 10:33	08/21/14 15:28	1
Pentachlorophenol	ND		0.94	0.063	ug/L		08/18/14 10:33	08/21/14 15:28	1
Phenanthrene	ND		0.19	0.040	ug/L		08/18/14 10:33	08/21/14 15:28	1
Phenol	ND		0.19	0.055	ug/L		08/18/14 10:33	08/21/14 15:28	1
Pyrene	ND		0.19	0.015	ug/L		08/18/14 10:33	08/21/14 15:28	1
1,2,4,5-Tetrachlorobenzene	ND		0.94	0.061	ug/L		08/18/14 10:33	08/21/14 15:28	1
2,3,4,6-Tetrachlorophenol	ND		0.94	0.13	ug/L		08/18/14 10:33	08/21/14 15:28	1
2,4,5-Trichlorophenol	ND		0.94	0.14	ug/L		08/18/14 10:33	08/21/14 15:28	1
2,4,6-Trichlorophenol	ND		0.94	0.17	ug/L		08/18/14 10:33	08/21/14 15:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*17*	*T J*	*ug/L*		*3.86*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*21*	*T J*	*ug/L*		*4.34*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*11*	*T J*	*ug/L*		*5.34*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*8.6*	*T J*	*ug/L*		*5.48*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*13*	*T J*	*ug/L*		*5.57*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*10*	*T J*	*ug/L*		*5.75*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*13*	*T J*	*ug/L*		*5.84*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*8.2*	*T J*	*ug/L*		*6.08*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*8.7*	*T J*	*ug/L*		*6.15*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*12*	*T J*	*ug/L*		*6.25*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*21*	*T J*	*ug/L*		*6.30*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*9.3*	*T J*	*ug/L*		*6.42*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*8.7*	*T J*	*ug/L*		*6.46*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*19*	*T J*	*ug/L*		*6.55*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown Substituted Naphthalene	*16*	*T J*	*ug/L*		*6.66*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*13*	*T J*	*ug/L*		*6.69*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*8.0*	*T J*	*ug/L*		*6.83*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*7.6*	*T J*	*ug/L*		*7.44*		*08/18/14 10:33*	*08/21/14 15:28*	*1*

Client Sample ID: SSHS-B29-A-GW-18-22
Date Collected: 08/13/14 16:30
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-71
Matrix: Water

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

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Branched Alkane	*18*	*T J*	*ug/L*		*7.53*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*8.0*	*T J*	*ug/L*		*7.57*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*16*	*T J*	*ug/L*		*7.75*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*11*	*T J*	*ug/L*		*7.86*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*8.7*	*T J*	*ug/L*		*7.95*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*9.1*	*T J*	*ug/L*		*8.00*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*8.8*	*T J*	*ug/L*		*8.10*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*15*	*T J*	*ug/L*		*8.31*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*8.2*	*T J*	*ug/L*		*8.41*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*10*	*T J*	*ug/L*		*8.53*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*14*	*T J*	*ug/L*		*8.89*		*08/18/14 10:33*	*08/21/14 15:28*	*1*
Unknown	*13*	*T J*	*ug/L*		*9.39*		*08/18/14 10:33*	*08/21/14 15:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*19 - 107*	*08/18/14 10:33*	*08/21/14 15:28*	*1*
2-Fluorophenol (Surr)	*58*		*10 - 111*	*08/18/14 10:33*	*08/21/14 15:28*	*1*
Nitrobenzene-d5 (Surr)	*84*		*23 - 112*	*08/18/14 10:33*	*08/21/14 15:28*	*1*
Phenol-d5 (Surr)	*71*		*15 - 112*	*08/18/14 10:33*	*08/21/14 15:28*	*1*
Terphenyl-d14 (Surr)	*40*		*10 - 132*	*08/18/14 10:33*	*08/21/14 15:28*	*1*
2,4,6-Tribromophenol (Surr)	*93*		*16 - 122*	*08/18/14 10:33*	*08/21/14 15:28*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**300**		100	25	ug/L			08/20/14 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*87*		*40 - 133*		*08/20/14 15:56*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	**130000**		48000	10000	ug/L		08/20/14 07:51	08/21/14 18:15	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*62*		*40 - 160*	*08/20/14 07:51*	*08/21/14 18:15*	*100*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0095	0.0024	ug/L		08/18/14 14:32	08/20/14 22:17	1
PCB-1221	ND		0.0095	0.0024	ug/L		08/18/14 14:32	08/20/14 22:17	1
PCB-1232	ND		0.0095	0.0028	ug/L		08/18/14 14:32	08/20/14 22:17	1
PCB-1242	ND		0.0095	0.0018	ug/L		08/18/14 14:32	08/20/14 22:17	1
PCB-1248	**0.049**		0.0095	0.0022	ug/L		08/18/14 14:32	08/20/14 22:17	1
PCB-1254	ND		0.0095	0.0022	ug/L		08/18/14 14:32	08/20/14 22:17	1
PCB-1260	ND		0.0095	0.0013	ug/L		08/18/14 14:32	08/20/14 22:17	1
PCB-1262	ND		0.0095	0.0020	ug/L		08/18/14 14:32	08/20/14 22:17	1
PCB-1268	ND		0.0095	0.0026	ug/L		08/18/14 14:32	08/20/14 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*54*	*X*	*60 - 135*	*08/18/14 14:32*	*08/20/14 21:14*	*1*
DCB Decachlorobiphenyl (Surr)	*66*		*60 - 135*	*08/18/14 14:32*	*08/20/14 22:17*	*1*

Client Sample Results

Client Sample ID: SSHS-B29-A-GW-18-22

Lab Sample ID: 180-35776-71

Date Collected: 08/13/14 16:30

Matrix: Water

Date Received: 08/14/14 13:08

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*91*		*25 - 150*	*08/18/14 14:32*	*08/20/14 21:14*	*1*
Tetrachloro-m-xylene (Surr)	*66*		*25 - 150*	*08/18/14 14:32*	*08/20/14 22:17*	*1*

Client Sample ID: SSHS-99-GW-17-21

Lab Sample ID: 180-35776-72

Date Collected: 08/13/14 14:30

Matrix: Water

Date Received: 08/14/14 13:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**33**		5.0	2.5	ug/L			08/25/14 16:18	1
Benzene	**0.26**	**J**	1.0	0.11	ug/L			08/25/14 16:18	1
Bromoform	ND		1.0	0.19	ug/L			08/25/14 16:18	1
Bromomethane	ND		1.0	0.31	ug/L			08/25/14 16:18	1
2-Butanone (MEK)	**0.98**	**J**	5.0	0.55	ug/L			08/25/14 16:18	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/25/14 16:18	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/25/14 16:18	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/25/14 16:18	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/25/14 16:18	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/25/14 16:18	1
Chloroethane	ND		1.0	0.21	ug/L			08/25/14 16:18	1
Chloroform	ND		1.0	0.17	ug/L			08/25/14 16:18	1
Chloromethane	ND		1.0	0.28	ug/L			08/25/14 16:18	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/25/14 16:18	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/25/14 16:18	1
Cyclohexane	ND		1.0	0.25	ug/L			08/25/14 16:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/25/14 16:18	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/25/14 16:18	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/25/14 16:18	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/25/14 16:18	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/25/14 16:18	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/25/14 16:18	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/25/14 16:18	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/25/14 16:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/25/14 16:18	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/25/14 16:18	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/25/14 16:18	1
1,4-Dioxane	ND		200	34	ug/L			08/25/14 16:18	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/25/14 16:18	1
2-Hexanone	ND		5.0	0.16	ug/L			08/25/14 16:18	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/25/14 16:18	1
Methyl acetate	ND		1.0	0.14	ug/L			08/25/14 16:18	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/25/14 16:18	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/25/14 16:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/25/14 16:18	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/25/14 16:18	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/25/14 16:18	1
o-Xylene	ND		1.0	0.11	ug/L			08/25/14 16:18	1
Styrene	ND		1.0	0.097	ug/L			08/25/14 16:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/25/14 16:18	1

Client Sample Results

Client Sample ID: SSHS-99-GW-17-21 Lab Sample ID: 180-35776-72

Date Collected: 08/13/14 14:30 **Matrix: Water**
Date Received: 08/14/14 13:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.15	ug/L			08/25/14 16:18	1
Toluene	**0.55**	**J**	1.0	0.15	ug/L			08/25/14 16:18	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/25/14 16:18	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/25/14 16:18	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/25/14 16:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/25/14 16:18	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/25/14 16:18	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/25/14 16:18	1
Trichloroethene	ND		1.0	0.14	ug/L			08/25/14 16:18	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/25/14 16:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/25/14 16:18	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/25/14 16:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl Alcohol	*5.8*	*T J N*	*ug/L*		*3.62*	*67-63-0*		*08/25/14 16:18*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*13.74*			*08/25/14 16:18*	*1*
Unknown Substituted Benzene	*2.2*	*T J*	*ug/L*		*14.17*			*08/25/14 16:18*	*1*
Unknown Substituted Benzene	*3.0*	*T J*	*ug/L*		*14.72*			*08/25/14 16:18*	*1*
Unknown Substituted Benzene	*2.8*	*T J*	*ug/L*		*15.13*			*08/25/14 16:18*	*1*
Unknown Hydrocarbon	*3.1*	*T J*	*ug/L*		*15.41*			*08/25/14 16:18*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*15.52*			*08/25/14 16:18*	*1*
Unknown Substituted Benzene	*2.3*	*T J*	*ug/L*		*15.69*			*08/25/14 16:18*	*1*
Unknown Substituted Benzene	*2.4*	*T J*	*ug/L*		*16.07*			*08/25/14 16:18*	*1*
Unknown Hydrocarbon	*4.0*	*T J*	*ug/L*		*16.26*			*08/25/14 16:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 118*		*08/25/14 16:18*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 128*		*08/25/14 16:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*64 - 135*		*08/25/14 16:18*	*1*
Toluene-d8 (Surr)	*102*		*71 - 118*		*08/25/14 16:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.014	ug/L		08/18/14 10:33	08/21/14 15:57	1
Acenaphthylene	ND		0.19	0.014	ug/L		08/18/14 10:33	08/21/14 15:57	1
Acetophenone	ND		0.95	0.076	ug/L		08/18/14 10:33	08/21/14 15:57	1
Anthracene	ND		0.19	0.015	ug/L		08/18/14 10:33	08/21/14 15:57	1
Atrazine	ND		0.95	0.085	ug/L		08/18/14 10:33	08/21/14 15:57	1
Benzaldehyde	ND		0.95	0.14	ug/L		08/18/14 10:33	08/21/14 15:57	1
Benzo[a]anthracene	**6.1**		0.19	0.014	ug/L		08/18/14 10:33	08/21/14 15:57	1
Benzo[a]pyrene	**0.87**	*****	0.19	0.013	ug/L		08/18/14 10:33	08/21/14 15:57	1
Benzo[b]fluoranthene	ND	*	0.19	0.015	ug/L		08/18/14 10:33	08/21/14 15:57	1
Benzo[g,h,i]perylene	**0.45**	*****	0.19	0.014	ug/L		08/18/14 10:33	08/21/14 15:57	1
Benzo[k]fluoranthene	ND	*	0.19	0.052	ug/L		08/18/14 10:33	08/21/14 15:57	1
1,1'-Biphenyl	ND		0.95	0.040	ug/L		08/18/14 10:33	08/21/14 15:57	1
Bis(2-chloroethoxy)methane	ND		0.95	0.055	ug/L		08/18/14 10:33	08/21/14 15:57	1
Bis(2-chloroethyl)ether	ND		0.19	0.024	ug/L		08/18/14 10:33	08/21/14 15:57	1
Bis(2-ethylhexyl) phthalate	ND		1.9	1.2	ug/L		08/18/14 10:33	08/21/14 15:57	1
4-Bromophenyl phenyl ether	ND		0.95	0.060	ug/L		08/18/14 10:33	08/21/14 15:57	1
Butyl benzyl phthalate	ND		0.95	0.14	ug/L		08/18/14 10:33	08/21/14 15:57	1

Client Sample Results

Client Sample ID: SSHS-99-GW-17-21
Date Collected: 08/13/14 14:30
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-72
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		4.8	1.1	ug/L		08/18/14 10:33	08/21/14 15:57	1
Carbazole	ND		0.19	0.015	ug/L		08/18/14 10:33	08/21/14 15:57	1
4-Chloroaniline	ND		0.95	0.084	ug/L		08/18/14 10:33	08/21/14 15:57	1
4-Chloro-3-methylphenol	ND		0.95	0.072	ug/L		08/18/14 10:33	08/21/14 15:57	1
2-Chloronaphthalene	ND		0.19	0.014	ug/L		08/18/14 10:33	08/21/14 15:57	1
2-Chlorophenol	ND		0.95	0.16	ug/L		08/18/14 10:33	08/21/14 15:57	1
4-Chlorophenyl phenyl ether	ND		0.95	0.048	ug/L		08/18/14 10:33	08/21/14 15:57	1
Chrysene	**7.9**		0.19	0.013	ug/L		08/18/14 10:33	08/21/14 15:57	1
Dibenz(a,h)anthracene	**0.32**	*****	0.19	0.015	ug/L		08/18/14 10:33	08/21/14 15:57	1
Dibenzofuran	ND		0.95	0.059	ug/L		08/18/14 10:33	08/21/14 15:57	1
3,3'-Dichlorobenzidine	ND		0.95	0.11	ug/L		08/18/14 10:33	08/21/14 15:57	1
2,4-Dichlorophenol	ND		0.19	0.032	ug/L		08/18/14 10:33	08/21/14 15:57	1
Diethyl phthalate	ND		0.95	0.14	ug/L		08/18/14 10:33	08/21/14 15:57	1
2,4-Dimethylphenol	ND		0.95	0.081	ug/L		08/18/14 10:33	08/21/14 15:57	1
Dimethyl phthalate	ND		0.95	0.073	ug/L		08/18/14 10:33	08/21/14 15:57	1
Di-n-butyl phthalate	ND		0.95	0.12	ug/L		08/18/14 10:33	08/21/14 15:57	1
4,6-Dinitro-2-methylphenol	ND		4.8	0.21	ug/L		08/18/14 10:33	08/21/14 15:57	1
2,4-Dinitrophenol	ND		4.8	0.58	ug/L		08/18/14 10:33	08/21/14 15:57	1
2,4-Dinitrotoluene	ND		0.95	0.051	ug/L		08/18/14 10:33	08/21/14 15:57	1
2,6-Dinitrotoluene	ND		0.95	0.076	ug/L		08/18/14 10:33	08/21/14 15:57	1
Di-n-octyl phthalate	ND	*	0.95	0.20	ug/L		08/18/14 10:33	08/21/14 15:57	1
1,4-Dioxane	ND		1.9	0.14	ug/L		08/18/14 10:33	08/21/14 15:57	1
Fluoranthene	ND		0.19	0.015	ug/L		08/18/14 10:33	08/21/14 15:57	1
Fluorene	ND		0.19	0.021	ug/L		08/18/14 10:33	08/21/14 15:57	1
Hexachlorobenzene	ND		0.19	0.017	ug/L		08/18/14 10:33	08/21/14 15:57	1
Hexachlorobutadiene	ND		0.19	0.016	ug/L		08/18/14 10:33	08/21/14 15:57	1
Hexachlorocyclopentadiene	ND		0.95	0.049	ug/L		08/18/14 10:33	08/21/14 15:57	1
Hexachloroethane	ND		0.95	0.060	ug/L		08/18/14 10:33	08/21/14 15:57	1
Indeno[1,2,3-cd]pyrene	**0.28**	*****	0.19	0.019	ug/L		08/18/14 10:33	08/21/14 15:57	1
Isophorone	ND		0.95	0.061	ug/L		08/18/14 10:33	08/21/14 15:57	1
2-Methylnaphthalene	ND		0.19	0.012	ug/L		08/18/14 10:33	08/21/14 15:57	1
2-Methylphenol	ND		0.95	0.082	ug/L		08/18/14 10:33	08/21/14 15:57	1
Methylphenol, 3 & 4	ND		0.95	0.086	ug/L		08/18/14 10:33	08/21/14 15:57	1
Naphthalene	ND		0.19	0.013	ug/L		08/18/14 10:33	08/21/14 15:57	1
2-Nitroaniline	ND		4.8	0.33	ug/L		08/18/14 10:33	08/21/14 15:57	1
3-Nitroaniline	ND		4.8	0.31	ug/L		08/18/14 10:33	08/21/14 15:57	1
4-Nitroaniline	ND		4.8	0.16	ug/L		08/18/14 10:33	08/21/14 15:57	1
Nitrobenzene	ND		1.9	0.080	ug/L		08/18/14 10:33	08/21/14 15:57	1
2-Nitrophenol	ND		0.95	0.16	ug/L		08/18/14 10:33	08/21/14 15:57	1
4-Nitrophenol	ND		4.8	0.62	ug/L		08/18/14 10:33	08/21/14 15:57	1
N-Nitrosodi-n-propylamine	ND		0.19	0.029	ug/L		08/18/14 10:33	08/21/14 15:57	1
N-Nitrosodiphenylamine	ND		0.95	0.081	ug/L		08/18/14 10:33	08/21/14 15:57	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.019	ug/L		08/18/14 10:33	08/21/14 15:57	1
Pentachlorophenol	ND		0.95	0.063	ug/L		08/18/14 10:33	08/21/14 15:57	1
Phenanthrene	ND		0.19	0.041	ug/L		08/18/14 10:33	08/21/14 15:57	1
Phenol	ND		0.19	0.055	ug/L		08/18/14 10:33	08/21/14 15:57	1
Pyrene	ND		0.19	0.015	ug/L		08/18/14 10:33	08/21/14 15:57	1
1,2,4,5-Tetrachlorobenzene	ND		0.95	0.062	ug/L		08/18/14 10:33	08/21/14 15:57	1
2,3,4,6-Tetrachlorophenol	ND		0.95	0.13	ug/L		08/18/14 10:33	08/21/14 15:57	1

Client Sample Results

Client Sample ID: SSHS-99-GW-17-21

Lab Sample ID: 180-35776-72

Date Collected: 08/13/14 14:30

Matrix: Water

Date Received: 08/14/14 13:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		0.95	0.15	ug/L		08/18/14 10:33	08/21/14 15:57	1
2,4,6-Trichlorophenol	ND		0.95	0.17	ug/L		08/18/14 10:33	08/21/14 15:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	15	T J	ug/L		6.90		08/18/14 10:33	08/21/14 15:57	1
Unknown	11	T J	ug/L		6.95		08/18/14 10:33	08/21/14 15:57	1
Unknown	8.3	T J	ug/L		6.99		08/18/14 10:33	08/21/14 15:57	1
Unknown	10	T J	ug/L		7.02		08/18/14 10:33	08/21/14 15:57	1
Unknown	9.1	T J	ug/L		7.05		08/18/14 10:33	08/21/14 15:57	1
Unknown	16	T J	ug/L		7.11		08/18/14 10:33	08/21/14 15:57	1
Unknown	10	T J	ug/L		7.16		08/18/14 10:33	08/21/14 15:57	1
Unknown	6.7	T J	ug/L		7.27		08/18/14 10:33	08/21/14 15:57	1
Unknown	9.5	T J	ug/L		7.31		08/18/14 10:33	08/21/14 15:57	1
Unknown	7.2	T J	ug/L		7.37		08/18/14 10:33	08/21/14 15:57	1
Unknown	14	T J	ug/L		7.44		08/18/14 10:33	08/21/14 15:57	1
Unknown Branched Alkane	24	T J	ug/L		7.53		08/18/14 10:33	08/21/14 15:57	1
Unknown	12	T J	ug/L		7.57		08/18/14 10:33	08/21/14 15:57	1
Unknown	8.1	T J	ug/L		7.62		08/18/14 10:33	08/21/14 15:57	1
Unknown	8.1	T J	ug/L		7.65		08/18/14 10:33	08/21/14 15:57	1
Unknown	8.6	T J	ug/L		7.68		08/18/14 10:33	08/21/14 15:57	1
Unknown	8.4	T J	ug/L		7.72		08/18/14 10:33	08/21/14 15:57	1
Unknown	23	T J	ug/L		7.75		08/18/14 10:33	08/21/14 15:57	1
Unknown	11	T J	ug/L		7.80		08/18/14 10:33	08/21/14 15:57	1
Unknown	16	T J	ug/L		7.86		08/18/14 10:33	08/21/14 15:57	1
Unknown	11	T J	ug/L		7.92		08/18/14 10:33	08/21/14 15:57	1
Unknown	12	T J	ug/L		7.96		08/18/14 10:33	08/21/14 15:57	1
Unknown	6.6	T J	ug/L		8.13		08/18/14 10:33	08/21/14 15:57	1
Unknown	11	T J	ug/L		8.17		08/18/14 10:33	08/21/14 15:57	1
Unknown	16	T J	ug/L		8.31		08/18/14 10:33	08/21/14 15:57	1
Unknown	8.7	T J	ug/L		8.35		08/18/14 10:33	08/21/14 15:57	1
Unknown	8.1	T J	ug/L		8.41		08/18/14 10:33	08/21/14 15:57	1
Unknown	10	T J	ug/L		8.54		08/18/14 10:33	08/21/14 15:57	1
Unknown	11	T J	ug/L		8.90		08/18/14 10:33	08/21/14 15:57	1
Unknown	8.1	T J	ug/L		9.03		08/18/14 10:33	08/21/14 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	97		19 - 107	08/18/14 10:33	08/21/14 15:57	1
2-Fluorophenol (Surr)	47		10 - 111	08/18/14 10:33	08/21/14 15:57	1
Nitrobenzene-d5 (Surr)	83		23 - 112	08/18/14 10:33	08/21/14 15:57	1
Phenol-d5 (Surr)	59		15 - 112	08/18/14 10:33	08/21/14 15:57	1
Terphenyl-d14 (Surr)	44		10 - 132	08/18/14 10:33	08/21/14 15:57	1
2,4,6-Tribromophenol (Surr)	80		16 - 122	08/18/14 10:33	08/21/14 15:57	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**1600**		100	25	ug/L			08/20/14 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	86		40 - 133		08/20/14 16:33	1

Client Sample ID: SSHS-99-GW-17-21

Lab Sample ID: 180-35776-72

Date Collected: 08/13/14 14:30

Matrix: Water

Date Received: 08/14/14 13:08

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	**250000**		48000	10000	ug/L		08/20/14 07:51	08/21/14 18:45	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*40 - 160*	*08/20/14 07:51*	*08/21/14 18:45*	*100*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0095	0.0024	ug/L		08/18/14 14:32	08/20/14 21:46	1
PCB-1221	ND		0.0095	0.0024	ug/L		08/18/14 14:32	08/20/14 21:46	1
PCB-1232	ND		0.0095	0.0028	ug/L		08/18/14 14:32	08/20/14 21:46	1
PCB-1242	ND		0.0095	0.0018	ug/L		08/18/14 14:32	08/20/14 21:46	1
PCB-1248	**0.16**		0.0095	0.0022	ug/L		08/18/14 14:32	08/20/14 21:46	1
PCB-1254	ND		0.0095	0.0022	ug/L		08/18/14 14:32	08/20/14 21:46	1
PCB-1260	ND		0.0095	0.0013	ug/L		08/18/14 14:32	08/20/14 22:48	1
PCB-1262	ND		0.0095	0.0020	ug/L		08/18/14 14:32	08/20/14 21:46	1
PCB-1268	ND		0.0095	0.0026	ug/L		08/18/14 14:32	08/20/14 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*60*		*60 - 135*	*08/18/14 14:32*	*08/20/14 21:46*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*60 - 135*	*08/18/14 14:32*	*08/20/14 22:48*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*25 - 150*	*08/18/14 14:32*	*08/20/14 21:46*	*1*
Tetrachloro-m-xylene (Surr)	*64*		*25 - 150*	*08/18/14 14:32*	*08/20/14 22:48*	*1*

Client Sample ID: 20140813-EQUIPMENT BLANK-GW

Lab Sample ID: 180-35776-73

Date Collected: 08/13/14 17:20

Matrix: Water

Date Received: 08/14/14 13:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**29**		5.0	2.5	ug/L			08/24/14 17:07	1
Benzene	ND		1.0	0.11	ug/L			08/24/14 17:07	1
Bromoform	ND		1.0	0.19	ug/L			08/24/14 17:07	1
Bromomethane	ND		1.0	0.31	ug/L			08/24/14 17:07	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/24/14 17:07	1
Carbon disulfide	**0.48**	**J**	1.0	0.21	ug/L			08/24/14 17:07	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/24/14 17:07	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/24/14 17:07	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/24/14 17:07	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/24/14 17:07	1
Chloroethane	ND		1.0	0.21	ug/L			08/24/14 17:07	1
Chloroform	ND		1.0	0.17	ug/L			08/24/14 17:07	1
Chloromethane	ND		1.0	0.28	ug/L			08/24/14 17:07	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/24/14 17:07	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/24/14 17:07	1
Cyclohexane	ND		1.0	0.25	ug/L			08/24/14 17:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/24/14 17:07	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/24/14 17:07	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/24/14 17:07	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/24/14 17:07	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/24/14 17:07	1

Client Sample ID: 20140813-EQUIPMENT BLANK-GW
Lab Sample ID: 180-35776-73
Date Collected: 08/13/14 17:20
Matrix: Water
Date Received: 08/14/14 13:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/24/14 17:07	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/24/14 17:07	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/24/14 17:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/24/14 17:07	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/14 17:07	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/24/14 17:07	1
1,4-Dioxane	ND		200	34	ug/L			08/24/14 17:07	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/24/14 17:07	1
2-Hexanone	ND		5.0	0.16	ug/L			08/24/14 17:07	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/24/14 17:07	1
Methyl acetate	ND		1.0	0.14	ug/L			08/24/14 17:07	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/24/14 17:07	1
Methylene Chloride	**0.15**	**J**	1.0	0.13	ug/L			08/24/14 17:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/24/14 17:07	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/24/14 17:07	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/24/14 17:07	1
o-Xylene	ND		1.0	0.11	ug/L			08/24/14 17:07	1
Styrene	ND		1.0	0.097	ug/L			08/24/14 17:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/24/14 17:07	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/24/14 17:07	1
Toluene	ND		1.0	0.15	ug/L			08/24/14 17:07	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/24/14 17:07	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/24/14 17:07	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/24/14 17:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/24/14 17:07	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/24/14 17:07	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/24/14 17:07	1
Trichloroethene	ND		1.0	0.14	ug/L			08/24/14 17:07	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/14 17:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/24/14 17:07	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/24/14 17:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl Alcohol	*270*	*T J*	*ug/L*		*3.63*			*08/24/14 17:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 118*		*08/24/14 17:07*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 128*		*08/24/14 17:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*64 - 135*		*08/24/14 17:07*	*1*
Toluene-d8 (Surr)	*106*		*71 - 118*		*08/24/14 17:07*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100	25	ug/L			08/20/14 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*86*		*40 - 133*		*08/20/14 18:24*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		500	110	ug/L		08/20/14 07:51	08/21/14 14:38	1

Client Sample Results

Client Sample ID: 20140813-EQUIPMENT BLANK-GW

Lab Sample ID: 180-35776-73

Date Collected: 08/13/14 17:20

Matrix: Water

Date Received: 08/14/14 13:08

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*40 - 160*	*08/20/14 07:51*	*08/21/14 14:38*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0094	0.0024	ug/L		08/18/14 14:32	08/20/14 22:17	1
PCB-1221	ND		0.0094	0.0023	ug/L		08/18/14 14:32	08/20/14 22:17	1
PCB-1232	ND		0.0094	0.0028	ug/L		08/18/14 14:32	08/20/14 22:17	1
PCB-1242	ND		0.0094	0.0018	ug/L		08/18/14 14:32	08/20/14 22:17	1
PCB-1248	ND		0.0094	0.0021	ug/L		08/18/14 14:32	08/20/14 22:17	1
PCB-1254	ND		0.0094	0.0022	ug/L		08/18/14 14:32	08/20/14 22:17	1
PCB-1260	ND		0.0094	0.0013	ug/L		08/18/14 14:32	08/20/14 22:17	1
PCB-1262	ND		0.0094	0.0019	ug/L		08/18/14 14:32	08/20/14 22:17	1
PCB-1268	ND		0.0094	0.0026	ug/L		08/18/14 14:32	08/20/14 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*60 - 135*	*08/18/14 14:32*	*08/20/14 22:17*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*60 - 135*	*08/18/14 14:32*	*08/20/14 23:20*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*25 - 150*	*08/18/14 14:32*	*08/20/14 22:17*	*1*
Tetrachloro-m-xylene (Surr)	*65*		*25 - 150*	*08/18/14 14:32*	*08/20/14 23:20*	*1*

Client Sample ID: 20140813-EQUIPMENT BLANK-SOIL

Lab Sample ID: 180-35776-74

Date Collected: 08/13/14 17:20

Matrix: Water

Date Received: 08/14/14 13:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/24/14 17:55	1
Benzene	ND		1.0	0.11	ug/L			08/24/14 17:55	1
Bromoform	ND		1.0	0.19	ug/L			08/24/14 17:55	1
Bromomethane	ND		1.0	0.31	ug/L			08/24/14 17:55	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/24/14 17:55	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/24/14 17:55	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/24/14 17:55	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/24/14 17:55	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/24/14 17:55	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/24/14 17:55	1
Chloroethane	ND		1.0	0.21	ug/L			08/24/14 17:55	1
Chloroform	ND		1.0	0.17	ug/L			08/24/14 17:55	1
Chloromethane	ND		1.0	0.28	ug/L			08/24/14 17:55	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/24/14 17:55	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/24/14 17:55	1
Cyclohexane	ND		1.0	0.25	ug/L			08/24/14 17:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/24/14 17:55	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/24/14 17:55	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/24/14 17:55	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/24/14 17:55	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/24/14 17:55	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/24/14 17:55	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/24/14 17:55	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/24/14 17:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/24/14 17:55	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Client Sample ID: 20140813-EQUIPMENT BLANK-SOIL
Date Collected: 08/13/14 17:20
Date Received: 08/14/14 13:08

Lab Sample ID: 180-35776-74
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/14 17:55	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/24/14 17:55	1
1,4-Dioxane	ND		200	34	ug/L			08/24/14 17:55	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/24/14 17:55	1
2-Hexanone	ND		5.0	0.16	ug/L			08/24/14 17:55	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/24/14 17:55	1
Methyl acetate	ND		1.0	0.14	ug/L			08/24/14 17:55	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/24/14 17:55	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/24/14 17:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/24/14 17:55	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/24/14 17:55	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/24/14 17:55	1
o-Xylene	ND		1.0	0.11	ug/L			08/24/14 17:55	1
Styrene	ND		1.0	0.097	ug/L			08/24/14 17:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/24/14 17:55	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/24/14 17:55	1
Toluene	ND		1.0	0.15	ug/L			08/24/14 17:55	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/24/14 17:55	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/24/14 17:55	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/24/14 17:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/24/14 17:55	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/24/14 17:55	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/24/14 17:55	1
Trichloroethene	ND		1.0	0.14	ug/L			08/24/14 17:55	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/14 17:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/24/14 17:55	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/24/14 17:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/24/14 17:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 118*		*08/24/14 17:55*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 128*		*08/24/14 17:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*64 - 135*		*08/24/14 17:55*	*1*
Toluene-d8 (Surr)	*104*		*71 - 118*		*08/24/14 17:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.028	ug/L		08/15/14 08:12	08/19/14 14:35	1
Acenaphthylene	ND		0.19	0.021	ug/L		08/15/14 08:12	08/19/14 14:35	1
Acetophenone	ND		1.9	0.11	ug/L		08/15/14 08:12	08/19/14 14:35	1
Anthracene	ND		0.19	0.018	ug/L		08/15/14 08:12	08/19/14 14:35	1
Atrazine	ND		1.9	0.21	ug/L		08/15/14 08:12	08/19/14 14:35	1
Benzaldehyde	ND		1.9	0.10	ug/L		08/15/14 08:12	08/19/14 14:35	1
Benzo[a]anthracene	ND		0.19	0.035	ug/L		08/15/14 08:12	08/19/14 14:35	1
Benzo[a]pyrene	ND		0.19	0.027	ug/L		08/15/14 08:12	08/19/14 14:35	1
Benzo[b]fluoranthene	ND		0.19	0.047	ug/L		08/15/14 08:12	08/19/14 14:35	1
Benzo[g,h,i]perylene	ND		0.19	0.028	ug/L		08/15/14 08:12	08/19/14 14:35	1
Benzo[k]fluoranthene	ND		0.19	0.029	ug/L		08/15/14 08:12	08/19/14 14:35	1

Client Sample ID: 20140813-EQUIPMENT BLANK-SOIL
Lab Sample ID: 180-35776-74
Date Collected: 08/13/14 17:20
Matrix: Water
Date Received: 08/14/14 13:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.10	ug/L		08/15/14 08:12	08/19/14 14:35	1
Bis(2-chloroethoxy)methane	ND		0.96	0.13	ug/L		08/15/14 08:12	08/19/14 14:35	1
Bis(2-chloroethyl)ether	ND		0.96	0.030	ug/L		08/15/14 08:12	08/19/14 14:35	1
Bis(2-ethylhexyl) phthalate	**0.81**	**J**	1.9	0.42	ug/L		08/15/14 08:12	08/19/14 14:35	1
4-Bromophenyl phenyl ether	ND		0.96	0.11	ug/L		08/15/14 08:12	08/19/14 14:35	1
Butyl benzyl phthalate	ND		0.96	0.21	ug/L		08/15/14 08:12	08/19/14 14:35	1
Caprolactam	ND		4.8	1.4	ug/L		08/15/14 08:12	08/19/14 14:35	1
Carbazole	ND		0.96	0.026	ug/L		08/15/14 08:12	08/19/14 14:35	1
4-Chloroaniline	ND		0.96	0.28	ug/L		08/15/14 08:12	08/19/14 14:35	1
4-Chloro-3-methylphenol	ND		0.96	0.16	ug/L		08/15/14 08:12	08/19/14 14:35	1
2-Chloronaphthalene	ND		0.19	0.030	ug/L		08/15/14 08:12	08/19/14 14:35	1
2-Chlorophenol	ND		0.96	0.22	ug/L		08/15/14 08:12	08/19/14 14:35	1
4-Chlorophenyl phenyl ether	ND		0.96	0.077	ug/L		08/15/14 08:12	08/19/14 14:35	1
Chrysene	ND		0.19	0.030	ug/L		08/15/14 08:12	08/19/14 14:35	1
Dibenz(a,h)anthracene	ND		0.19	0.026	ug/L		08/15/14 08:12	08/19/14 14:35	1
Dibenzofuran	ND		0.96	0.093	ug/L		08/15/14 08:12	08/19/14 14:35	1
3,3'-Dichlorobenzidine	ND		0.96	0.14	ug/L		08/15/14 08:12	08/19/14 14:35	1
2,4-Dichlorophenol	ND		0.96	0.065	ug/L		08/15/14 08:12	08/19/14 14:35	1
Diethyl phthalate	ND		0.96	0.29	ug/L		08/15/14 08:12	08/19/14 14:35	1
2,4-Dimethylphenol	ND		0.96	0.16	ug/L		08/15/14 08:12	08/19/14 14:35	1
Dimethyl phthalate	ND		0.96	0.18	ug/L		08/15/14 08:12	08/19/14 14:35	1
Di-n-butyl phthalate	ND		0.96	0.23	ug/L		08/15/14 08:12	08/19/14 14:35	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.5	ug/L		08/15/14 08:12	08/19/14 14:35	1
2,4-Dinitrophenol	ND		4.8	2.4	ug/L		08/15/14 08:12	08/19/14 14:35	1
2,4-Dinitrotoluene	ND		0.96	0.21	ug/L		08/15/14 08:12	08/19/14 14:35	1
2,6-Dinitrotoluene	ND		0.96	0.13	ug/L		08/15/14 08:12	08/19/14 14:35	1
Di-n-octyl phthalate	ND		0.96	0.20	ug/L		08/15/14 08:12	08/19/14 14:35	1
1,4-Dioxane	ND		1.9	0.050	ug/L		08/15/14 08:12	08/19/14 14:35	1
Fluoranthene	ND		0.19	0.020	ug/L		08/15/14 08:12	08/19/14 14:35	1
Fluorene	ND		0.19	0.023	ug/L		08/15/14 08:12	08/19/14 14:35	1
Hexachlorobenzene	ND		0.96	0.059	ug/L		08/15/14 08:12	08/19/14 14:35	1
Hexachlorobutadiene	ND		0.96	0.090	ug/L		08/15/14 08:12	08/19/14 14:35	1
Hexachlorocyclopentadiene	ND		0.96	0.13	ug/L		08/15/14 08:12	08/19/14 14:35	1
Hexachloroethane	ND		0.96	0.13	ug/L		08/15/14 08:12	08/19/14 14:35	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.042	ug/L		08/15/14 08:12	08/19/14 14:35	1
Isophorone	ND		0.96	0.071	ug/L		08/15/14 08:12	08/19/14 14:35	1
2-Methylnaphthalene	ND		0.19	0.018	ug/L		08/15/14 08:12	08/19/14 14:35	1
2-Methylphenol	ND		0.96	0.18	ug/L		08/15/14 08:12	08/19/14 14:35	1
Methylphenol, 3 & 4	ND		0.96	0.20	ug/L		08/15/14 08:12	08/19/14 14:35	1
Naphthalene	ND		0.19	0.022	ug/L		08/15/14 08:12	08/19/14 14:35	1
2-Nitroaniline	ND		4.8	0.65	ug/L		08/15/14 08:12	08/19/14 14:35	1
3-Nitroaniline	ND		4.8	0.77	ug/L		08/15/14 08:12	08/19/14 14:35	1
4-Nitroaniline	ND		4.8	0.74	ug/L		08/15/14 08:12	08/19/14 14:35	1
Nitrobenzene	ND		1.9	0.14	ug/L		08/15/14 08:12	08/19/14 14:35	1
2-Nitrophenol	ND		0.96	0.11	ug/L		08/15/14 08:12	08/19/14 14:35	1
4-Nitrophenol	ND		4.8	0.77	ug/L		08/15/14 08:12	08/19/14 14:35	1
N-Nitrosodi-n-propylamine	ND		0.96	0.048	ug/L		08/15/14 08:12	08/19/14 14:35	1
N-Nitrosodiphenylamine	ND		0.96	0.12	ug/L		08/15/14 08:12	08/19/14 14:35	1
2,2'-oxybis[1-chloropropane]	ND		0.96	0.023	ug/L		08/15/14 08:12	08/19/14 14:35	1

Client Sample ID: 20140813-EQUIPMENT BLANK-SOIL Lab Sample ID: 180-35776-74

Date Collected: 08/13/14 17:20 **Matrix: Water**

Date Received: 08/14/14 13:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.96	0.48	ug/L		08/15/14 08:12	08/19/14 14:35	1
Phenanthrene	ND		0.19	0.040	ug/L		08/15/14 08:12	08/19/14 14:35	1
Phenol	ND		0.96	0.053	ug/L		08/15/14 08:12	08/19/14 14:35	1
Pyrene	ND		0.19	0.022	ug/L		08/15/14 08:12	08/19/14 14:35	1
1,2,4,5-Tetrachlorobenzene	ND		0.96	0.073	ug/L		08/15/14 08:12	08/19/14 14:35	1
2,3,4,6-Tetrachlorophenol	ND		0.96	0.10	ug/L		08/15/14 08:12	08/19/14 14:35	1
2,4,5-Trichlorophenol	ND		0.96	0.12	ug/L		08/15/14 08:12	08/19/14 14:35	1
2,4,6-Trichlorophenol	ND		0.96	0.29	ug/L		08/15/14 08:12	08/19/14 14:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.50*	*T J*	*ug/L*		*4.45*		*08/15/14 08:12*	*08/19/14 14:35*	*1*
Unknown	*1.5*	*T J*	*ug/L*		*10.60*		*08/15/14 08:12*	*08/19/14 14:35*	*1*
Unknown	*0.42*	*T J*	*ug/L*		*12.07*		*08/15/14 08:12*	*08/19/14 14:35*	*1*
Unknown	*0.52*	*T J*	*ug/L*		*15.89*		*08/15/14 08:12*	*08/19/14 14:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*30 - 150*	*08/15/14 08:12*	*08/19/14 14:35*	*1*
2-Fluorophenol (Surr)	*58*		*30 - 150*	*08/15/14 08:12*	*08/19/14 14:35*	*1*
Nitrobenzene-d5 (Surr)	*58*		*30 - 150*	*08/15/14 08:12*	*08/19/14 14:35*	*1*
Phenol-d5 (Surr)	*59*		*30 - 150*	*08/15/14 08:12*	*08/19/14 14:35*	*1*
Terphenyl-d14 (Surr)	*62*		*10 - 150*	*08/15/14 08:12*	*08/19/14 14:35*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*30 - 150*	*08/15/14 08:12*	*08/19/14 14:35*	*1*

Method: 8081B_LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**0.0040**	**p**	0.0013	0.00082	ug/L		08/18/14 14:32	08/20/14 14:07	1
alpha-BHC	ND		0.0013	0.00065	ug/L		08/18/14 14:32	08/20/14 14:07	1
alpha-Chlordane	ND		0.0013	0.00097	ug/L		08/18/14 14:32	08/20/14 14:07	1
beta-BHC	ND		0.0013	0.00099	ug/L		08/18/14 14:32	08/20/14 14:07	1
4,4'-DDD	**0.00069**	**J p**	0.0013	0.00066	ug/L		08/18/14 14:32	08/20/14 14:07	1
4,4'-DDE	**0.014**		0.0013	0.00078	ug/L		08/18/14 14:32	08/20/14 14:07	1
4,4'-DDT	ND		0.0013	0.00073	ug/L		08/18/14 14:32	08/20/14 14:07	1
delta-BHC	ND		0.0013	0.00038	ug/L		08/18/14 14:32	08/20/14 14:07	1
Dieldrin	ND		0.0013	0.00081	ug/L		08/18/14 14:32	08/20/14 14:07	1
Endosulfan I	ND		0.0013	0.00093	ug/L		08/18/14 14:32	08/20/14 14:07	1
Endosulfan II	ND		0.0013	0.00097	ug/L		08/18/14 14:32	08/20/14 14:07	1
Endosulfan sulfate	**0.0015**	**p**	0.0013	0.00056	ug/L		08/18/14 14:32	08/20/14 14:07	1
Endrin	ND		0.0013	0.00095	ug/L		08/18/14 14:32	08/20/14 14:07	1
Endrin aldehyde	ND		0.0013	0.00089	ug/L		08/18/14 14:32	08/20/14 14:07	1
Endrin ketone	ND		0.0013	0.00091	ug/L		08/18/14 14:32	08/20/14 14:07	1
gamma-BHC (Lindane)	ND		0.0013	0.00079	ug/L		08/18/14 14:32	08/20/14 14:07	1
gamma-Chlordane	**0.0021**		0.0013	0.00095	ug/L		08/18/14 14:32	08/20/14 14:07	1
Heptachlor	ND		0.0013	0.00098	ug/L		08/18/14 14:32	08/20/14 14:07	1
Heptachlor epoxide	ND		0.0013	0.00096	ug/L		08/18/14 14:32	08/20/14 14:07	1
Methoxychlor	**0.0030**	**p**	0.0025	0.00090	ug/L		08/18/14 14:32	08/20/14 14:07	1
Toxaphene	ND		0.099	0.018	ug/L		08/18/14 14:32	08/20/14 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*45 - 122*	*08/18/14 14:32*	*08/20/14 14:07*	*1*
DCB Decachlorobiphenyl (Surr)	*65*		*45 - 122*	*08/18/14 14:32*	*08/20/14 14:07*	*1*

Client Sample ID: 20140813-EQUIPMENT BLANK-SOIL

Lab Sample ID: 180-35776-74

Date Collected: 08/13/14 17:20
Matrix: Water
Date Received: 08/14/14 13:08

Method: 8081B_LL - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*57*	*X*	*60 - 111*	*08/18/14 14:32*	*08/20/14 14:07*	*1*
Tetrachloro-m-xylene	*55*	*X*	*60 - 111*	*08/18/14 14:32*	*08/20/14 14:07*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0099	0.0025	ug/L		08/18/14 14:32	08/20/14 22:48	1
PCB-1221	ND		0.0099	0.0025	ug/L		08/18/14 14:32	08/20/14 22:48	1
PCB-1232	ND		0.0099	0.0029	ug/L		08/18/14 14:32	08/20/14 22:48	1
PCB-1242	ND		0.0099	0.0018	ug/L		08/18/14 14:32	08/20/14 22:48	1
PCB-1248	ND		0.0099	0.0023	ug/L		08/18/14 14:32	08/20/14 22:48	1
PCB-1254	ND		0.0099	0.0023	ug/L		08/18/14 14:32	08/20/14 22:48	1
PCB-1260	ND		0.0099	0.0013	ug/L		08/18/14 14:32	08/20/14 22:48	1
PCB-1262	ND		0.0099	0.0020	ug/L		08/18/14 14:32	08/20/14 22:48	1
PCB-1268	ND		0.0099	0.0027	ug/L		08/18/14 14:32	08/20/14 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*109*		*60 - 135*	*08/18/14 14:32*	*08/20/14 22:48*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*60 - 135*	*08/18/14 14:32*	*08/20/14 23:51*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*25 - 150*	*08/18/14 14:32*	*08/20/14 22:48*	*1*
Tetrachloro-m-xylene (Surr)	*65*	*p*	*25 - 150*	*08/18/14 14:32*	*08/20/14 23:51*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	42	ug/L		08/18/14 06:08	08/25/14 17:50	1
Antimony	ND		10	2.5	ug/L		08/18/14 06:08	08/25/14 17:50	1
Arsenic	ND		10	3.0	ug/L		08/18/14 06:08	08/25/14 17:50	1
Barium	ND		200	0.19	ug/L		08/18/14 06:08	08/25/14 17:50	1
Beryllium	ND		4.0	0.27	ug/L		08/18/14 06:08	08/25/14 17:50	1
Cadmium	ND		5.0	0.17	ug/L		08/18/14 06:08	08/25/14 17:50	1
Calcium	**25**	**J**	5000	14	ug/L		08/18/14 06:08	08/25/14 17:50	1
Chromium	ND		5.0	1.0	ug/L		08/18/14 06:08	08/25/14 17:50	1
Cobalt	ND		50	0.39	ug/L		08/18/14 06:08	08/25/14 17:50	1
Copper	ND		25	0.85	ug/L		08/18/14 06:08	08/25/14 17:50	1
Iron	**25**	**J**	100	5.3	ug/L		08/18/14 06:08	08/25/14 17:50	1
Lead	ND		10	1.5	ug/L		08/18/14 06:08	08/25/14 17:50	1
Magnesium	ND		5000	11	ug/L		08/18/14 06:08	08/25/14 17:50	1
Manganese	**0.66**	**J**	15	0.094	ug/L		08/18/14 06:08	08/25/14 17:50	1
Nickel	ND		40	0.49	ug/L		08/18/14 06:08	08/25/14 17:50	1
Potassium	**330**	**J B**	5000	41	ug/L		08/18/14 06:08	08/25/14 17:50	1
Selenium	ND		10	1.7	ug/L		08/18/14 06:08	08/25/14 17:50	1
Silver	ND		5.0	0.27	ug/L		08/18/14 06:08	08/25/14 17:50	1
Sodium	**56**	**J B**	5000	21	ug/L		08/18/14 06:08	08/25/14 17:50	1
Thallium	ND		20	1.5	ug/L		08/18/14 06:08	08/25/14 17:50	1
Vanadium	ND		50	1.1	ug/L		08/18/14 06:08	08/25/14 17:50	1
Zinc	ND		20	6.0	ug/L		08/18/14 06:08	08/25/14 17:50	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.038	ug/L		08/20/14 10:20	08/20/14 14:55	1

Client Sample ID: 20140813-EQUIPMENT BLANK-SOIL

Lab Sample ID: 180-35776-74

Date Collected: 08/13/14 17:20

Matrix: Water

Date Received: 08/14/14 13:08

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		10	3.2	ug/L		08/21/14 08:50	08/21/14 11:02	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 180-35776-75

Date Collected: 08/13/14 00:00

Matrix: Water

Date Received: 08/14/14 13:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**26**		5.0	2.5	ug/L			08/24/14 18:19	1
Benzene	ND		1.0	0.11	ug/L			08/24/14 18:19	1
Bromoform	ND		1.0	0.19	ug/L			08/24/14 18:19	1
Bromomethane	ND		1.0	0.31	ug/L			08/24/14 18:19	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/24/14 18:19	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/24/14 18:19	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/24/14 18:19	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/24/14 18:19	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/24/14 18:19	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/24/14 18:19	1
Chloroethane	ND		1.0	0.21	ug/L			08/24/14 18:19	1
Chloroform	ND		1.0	0.17	ug/L			08/24/14 18:19	1
Chloromethane	ND		1.0	0.28	ug/L			08/24/14 18:19	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/24/14 18:19	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/24/14 18:19	1
Cyclohexane	ND		1.0	0.25	ug/L			08/24/14 18:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/24/14 18:19	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/24/14 18:19	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/24/14 18:19	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/24/14 18:19	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/24/14 18:19	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/24/14 18:19	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/24/14 18:19	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/24/14 18:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/24/14 18:19	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/14 18:19	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/24/14 18:19	1
1,4-Dioxane	ND		200	34	ug/L			08/24/14 18:19	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/24/14 18:19	1
2-Hexanone	ND		5.0	0.16	ug/L			08/24/14 18:19	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/24/14 18:19	1
Methyl acetate	ND		1.0	0.14	ug/L			08/24/14 18:19	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/24/14 18:19	1
Methylene Chloride	**0.41**	**J**	1.0	0.13	ug/L			08/24/14 18:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/24/14 18:19	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/24/14 18:19	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/24/14 18:19	1
o-Xylene	ND		1.0	0.11	ug/L			08/24/14 18:19	1
Styrene	ND		1.0	0.097	ug/L			08/24/14 18:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/24/14 18:19	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/24/14 18:19	1
Toluene	ND		1.0	0.15	ug/L			08/24/14 18:19	1

Client Sample Results

Client Sample ID: TRIP BLANK

Lab Sample ID: 180-35776-75

Date Collected: 08/13/14 00:00

Matrix: Water

Date Received: 08/14/14 13:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/24/14 18:19	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/24/14 18:19	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/24/14 18:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/24/14 18:19	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/24/14 18:19	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/24/14 18:19	1
Trichloroethene	ND		1.0	0.14	ug/L			08/24/14 18:19	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/14 18:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/24/14 18:19	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/24/14 18:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/24/14 18:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 118*		*08/24/14 18:19*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 128*		*08/24/14 18:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*64 - 135*		*08/24/14 18:19*	*1*
Toluene-d8 (Surr)	*107*		*71 - 118*		*08/24/14 18:19*	*1*

Client Sample ID: DUP-11

Lab Sample ID: 180-35776-76

Date Collected: 08/13/14 00:00

Matrix: Solid

Date Received: 08/14/14 13:08

Percent Solids: 85.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		16	4.1	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Benzene	ND		4.1	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Bromoform	ND		4.1	0.36	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Bromomethane	ND		4.1	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
2-Butanone (MEK)	ND		4.1	0.72	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Carbon disulfide	ND		4.1	0.42	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Carbon tetrachloride	ND		4.1	0.37	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Chlorobenzene	ND		4.1	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Chlorobromomethane	ND		4.1	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Chlorodibromomethane	ND		4.1	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Chloroethane	ND		4.1	1.3	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Chloroform	ND		4.1	0.48	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Chloromethane	ND		4.1	0.70	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
cis-1,2-Dichloroethene	ND		4.1	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
cis-1,3-Dichloropropene	ND		4.1	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Cyclohexane	ND		4.1	0.30	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
1,2-Dibromo-3-Chloropropane	ND		4.1	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
1,2-Dibromoethane	ND		4.1	0.71	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
1,2-Dichlorobenzene	ND		4.1	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
1,3-Dichlorobenzene	ND		4.1	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
1,4-Dichlorobenzene	ND		4.1	0.52	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Dichlorobromomethane	ND		4.1	0.46	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Dichlorodifluoromethane	ND		4.1	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
1,1-Dichloroethane	ND		4.1	0.47	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1

Client Sample ID: DUP-11 **Lab Sample ID: 180-35776-76**
Date Collected: 08/13/14 00:00 **Matrix: Solid**
Date Received: 08/14/14 13:08 **Percent Solids: 85.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		4.1	0.50	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
1,1-Dichloroethene	ND		4.1	0.70	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
1,2-Dichloropropane	ND		4.1	0.45	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
1,4-Dioxane	ND		820	230	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Ethylbenzene	ND		4.1	0.53	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
2-Hexanone	ND		4.1	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Isopropylbenzene	ND		4.1	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Methyl acetate	ND		4.1	0.74	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Methylcyclohexane	ND		4.1	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Methylene Chloride	ND		4.1	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
4-Methyl-2-pentanone (MIBK)	ND		4.1	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Methyl tert-butyl ether	ND		4.1	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
m-Xylene & p-Xylene	ND		8.2	1.2	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
o-Xylene	ND		4.1	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Styrene	ND		4.1	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
1,1,2,2-Tetrachloroethane	ND		4.1	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Tetrachloroethene	ND		4.1	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Toluene	ND		4.1	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
trans-1,2-Dichloroethene	ND		4.1	0.49	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
trans-1,3-Dichloropropene	ND		4.1	0.49	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
1,2,3-Trichlorobenzene	ND		4.1	0.69	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
1,2,4-Trichlorobenzene	ND		4.1	0.72	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
1,1,1-Trichloroethane	ND		4.1	0.40	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
1,1,2-Trichloroethane	ND		4.1	0.68	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Trichloroethene	ND		4.1	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Trichlorofluoromethane	ND		4.1	0.75	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.1	0.88	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1
Vinyl chloride	ND		4.1	0.38	ug/Kg	☼	08/18/14 04:22	08/18/14 14:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/18/14 04:22*	*08/18/14 14:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*08/18/14 04:22*	*08/18/14 14:59*	*1*
Dibromofluoromethane (Surr)	*101*		*68 - 121*	*08/18/14 04:22*	*08/18/14 14:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*52 - 124*	*08/18/14 04:22*	*08/18/14 14:59*	*1*
Toluene-d8 (Surr)	*100*		*72 - 127*	*08/18/14 04:22*	*08/18/14 14:59*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	7.5	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Acenaphthylene	ND		78	8.9	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Acetophenone	ND		390	32	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Anthracene	ND		78	7.6	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Atrazine	ND		390	38	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Benzaldehyde	ND		390	58	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Benzo[a]anthracene	ND		78	9.8	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Benzo[a]pyrene	ND		78	7.8	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Benzo[b]fluoranthene	ND		78	12	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Benzo[g,h,i]perylene	ND		78	7.8	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1

Client Sample ID: DUP-11
Lab Sample ID: 180-35776-76
Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 85.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		78	16	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
1,1'-Biphenyl	ND		390	35	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Bis(2-chloroethoxy)methane	ND		390	26	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Bis(2-chloroethyl)ether	ND		78	10	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Bis(2-ethylhexyl) phthalate	ND		780	63	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
4-Bromophenyl phenyl ether	ND		390	34	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Butyl benzyl phthalate	ND		390	53	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Caprolactam	ND		2000	290	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Carbazole	ND		78	7.2	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
4-Chloroaniline	ND		390	31	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
4-Chloro-3-methylphenol	ND		390	36	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
2-Chloronaphthalene	ND		78	8.1	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
2-Chlorophenol	ND		390	32	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
4-Chlorophenyl phenyl ether	ND		390	43	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Chrysene	ND		78	9.3	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Dibenz(a,h)anthracene	ND		78	8.7	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Dibenzofuran	ND		390	38	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
3,3'-Dichlorobenzidine	ND		390	41	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
2,4-Dichlorophenol	ND		78	7.8	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Diethyl phthalate	ND		390	43	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
2,4-Dimethylphenol	ND		390	61	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Dimethyl phthalate	ND		390	43	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Di-n-butyl phthalate	ND		390	49	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
2,4-Dinitrophenol	ND		2000	460	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
2,4-Dinitrotoluene	ND		390	31	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
2,6-Dinitrotoluene	ND		390	40	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Di-n-octyl phthalate	ND		390	41	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
1,4-Dioxane	ND		780	45	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Fluoranthene	ND		78	8.3	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Fluorene	ND		78	10	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Hexachlorobenzene	ND		78	8.3	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Hexachlorobutadiene	ND		78	8.7	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Hexachlorocyclopentadiene	ND		390	42	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Hexachloroethane	ND		390	28	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Indeno[1,2,3-cd]pyrene	ND		78	8.0	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Isophorone	ND		390	29	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
2-Methylnaphthalene	ND		78	7.0	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
2-Methylphenol	ND		390	27	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Methylphenol, 3 & 4	ND		390	38	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Naphthalene	ND		78	6.7	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
2-Nitroaniline	ND		2000	170	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Nitrobenzene	ND		780	32	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
2-Nitrophenol	ND		390	43	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
4-Nitrophenol	ND		2000	140	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
N-Nitrosodi-n-propylamine	ND		78	9.2	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
N-Nitrosodiphenylamine	ND		390	36	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1

Client Sample ID: DUP-11
Lab Sample ID: 180-35776-76
Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 85.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		78	8.4	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Pentachlorophenol	ND		390	35	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Phenanthrene	ND		78	12	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Phenol	ND		78	9.2	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
Pyrene	ND		78	7.9	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
1,2,4,5-Tetrachlorobenzene	ND		390	30	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
2,3,4,6-Tetrachlorophenol	ND		390	25	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
2,4,5-Trichlorophenol	ND		390	42	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1
2,4,6-Trichlorophenol	ND		390	58	ug/Kg	☼	08/25/14 17:20	08/26/14 20:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*230*	*T J*	*ug/Kg*	☼	*13.19*		*08/25/14 17:20*	*08/26/14 20:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 105*	*08/25/14 17:20*	*08/26/14 20:49*	*1*
2-Fluorophenol (Surr)	*57*		*39 - 103*	*08/25/14 17:20*	*08/26/14 20:49*	*1*
Nitrobenzene-d5 (Surr)	*63*		*25 - 104*	*08/25/14 17:20*	*08/26/14 20:49*	*1*
Phenol-d5 (Surr)	*60*		*25 - 105*	*08/25/14 17:20*	*08/26/14 20:49*	*1*
Terphenyl-d14 (Surr)	*60*		*25 - 127*	*08/25/14 17:20*	*08/26/14 20:49*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*35 - 124*	*08/25/14 17:20*	*08/26/14 20:49*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
alpha-BHC	ND		2.0	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
alpha-Chlordane	ND		2.0	0.39	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
beta-BHC	ND		2.0	0.51	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
4,4'-DDD	ND		2.0	0.26	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
4,4'-DDE	ND		2.0	0.29	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
4,4'-DDT	ND		2.0	0.29	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
delta-BHC	ND		2.0	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
Dieldrin	ND		2.0	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
Endosulfan I	ND		2.0	0.37	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
Endosulfan II	ND		2.0	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
Endosulfan sulfate	ND		2.0	0.20	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
Endrin	ND		2.0	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
Endrin aldehyde	ND		2.0	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
Endrin ketone	**0.51**	**J**	2.0	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
gamma-BHC (Lindane)	ND		2.0	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
gamma-Chlordane	ND		2.0	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
Heptachlor	ND		2.0	0.43	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
Heptachlor epoxide	ND		2.0	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
Methoxychlor	ND		3.9	0.41	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1
Toxaphene	ND		78	13	ug/Kg	☼	08/26/14 07:50	08/27/14 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 130*	*08/26/14 07:50*	*08/27/14 17:29*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 130*	*08/26/14 07:50*	*08/27/14 17:29*	*1*
Tetrachloro-m-xylene	*73*		*45 - 130*	*08/26/14 07:50*	*08/27/14 17:29*	*1*
Tetrachloro-m-xylene	*72*		*45 - 130*	*08/26/14 07:50*	*08/27/14 17:29*	*1*

Client Sample Results

Client Sample ID: DUP-11

Lab Sample ID: 180-35776-76

Date Collected: 08/13/14 00:00
Matrix: Solid
Date Received: 08/14/14 13:08
Percent Solids: 85.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.9	ug/Kg	☼	08/26/14 07:50	08/28/14 00:17	1
PCB-1221	ND		19	3.7	ug/Kg	☼	08/26/14 07:50	08/28/14 00:17	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/26/14 07:50	08/28/14 00:17	1
PCB-1242	ND		19	3.2	ug/Kg	☼	08/26/14 07:50	08/28/14 00:17	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/26/14 07:50	08/28/14 00:17	1
PCB-1254	ND		19	2.8	ug/Kg	☼	08/26/14 07:50	08/28/14 00:17	1
PCB-1260	ND		19	2.8	ug/Kg	☼	08/26/14 07:50	08/28/14 00:17	1
PCB-1262	ND		19	4.3	ug/Kg	☼	08/26/14 07:50	08/28/14 00:17	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/26/14 07:50	08/28/14 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 125*	*08/26/14 07:50*	*08/28/14 00:17*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/26/14 07:50*	*08/28/14 00:49*	*1*
Tetrachloro-m-xylene (Surr)	*65*		*45 - 135*	*08/26/14 07:50*	*08/28/14 00:17*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*45 - 135*	*08/26/14 07:50*	*08/28/14 00:49*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		21	2.2	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Antimony	ND		1.1	0.21	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Arsenic	**8.4**		1.1	0.33	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Barium	**96**		21	0.014	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Beryllium	**0.54**		0.43	0.012	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Cadmium	**0.054**	**J**	0.53	0.015	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Calcium	**1700**		530	1.6	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Chromium	**13**	**B**	0.53	0.082	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Cobalt	**9.3**		5.3	0.044	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Copper	**16**		2.7	0.15	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Iron	**21000**		11	0.94	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Lead	**16**		1.1	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Magnesium	**2700**		530	2.2	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Manganese	**480**		1.6	0.095	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Nickel	**18**	**B**	4.3	0.051	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Potassium	**780**		530	6.8	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Selenium	**0.82**	**J**	1.1	0.28	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Silver	ND		0.53	0.043	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Sodium	**170**	**J B**	530	1.1	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Thallium	ND		2.1	0.16	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Vanadium	**17**		5.3	0.19	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1
Zinc	**56**	**B**	2.1	0.11	mg/Kg	☼	08/26/14 09:01	08/28/14 09:58	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.056**		0.037	0.012	mg/Kg	☼	08/25/14 10:13	08/25/14 14:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14**		0.10	0.10	%			08/15/14 15:19	1
Percent Solids	**86**		0.10	0.10	%			08/15/14 15:19	1
Cyanide, Total	**0.20**	**J**	0.56	0.17	mg/Kg	☼	08/22/14 07:00	08/22/14 09:45	1

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

Lab Sample ID: MB 180-115232/10
Matrix: Water
Analysis Batch: 115232

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/19/14 15:19	1
Benzene	ND		1.0	0.11	ug/L			08/19/14 15:19	1
Bromoform	ND		1.0	0.19	ug/L			08/19/14 15:19	1
Bromomethane	ND		1.0	0.31	ug/L			08/19/14 15:19	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/19/14 15:19	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/19/14 15:19	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/19/14 15:19	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/19/14 15:19	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/19/14 15:19	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/19/14 15:19	1
Chloroethane	ND		1.0	0.21	ug/L			08/19/14 15:19	1
Chloroform	ND		1.0	0.17	ug/L			08/19/14 15:19	1
Chloromethane	ND		1.0	0.28	ug/L			08/19/14 15:19	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/19/14 15:19	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/19/14 15:19	1
Cyclohexane	ND		1.0	0.25	ug/L			08/19/14 15:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/19/14 15:19	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/19/14 15:19	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/19/14 15:19	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/19/14 15:19	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/19/14 15:19	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/19/14 15:19	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/19/14 15:19	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/19/14 15:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/14 15:19	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/19/14 15:19	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/19/14 15:19	1
1,4-Dioxane	ND		200	34	ug/L			08/19/14 15:19	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/19/14 15:19	1
2-Hexanone	ND		5.0	0.16	ug/L			08/19/14 15:19	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/19/14 15:19	1
Methyl acetate	ND		1.0	0.14	ug/L			08/19/14 15:19	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/19/14 15:19	1
Methylene Chloride	0.278	J	1.0	0.13	ug/L			08/19/14 15:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/19/14 15:19	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/19/14 15:19	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/19/14 15:19	1
o-Xylene	ND		1.0	0.11	ug/L			08/19/14 15:19	1
Styrene	ND		1.0	0.097	ug/L			08/19/14 15:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/19/14 15:19	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/19/14 15:19	1
Toluene	ND		1.0	0.15	ug/L			08/19/14 15:19	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/19/14 15:19	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/19/14 15:19	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/19/14 15:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/19/14 15:19	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/19/14 15:19	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/19/14 15:19	1

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

Lab Sample ID: MB 180-115232/10
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115232

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.0	0.14	ug/L			08/19/14 15:19	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/19/14 15:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/19/14 15:19	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/19/14 15:19	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/19/14 15:19*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 118*		*08/19/14 15:19*	*1*
Dibromofluoromethane (Surr)	*113*		*70 - 128*		*08/19/14 15:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 135*		*08/19/14 15:19*	*1*
Toluene-d8 (Surr)	*98*		*71 - 118*		*08/19/14 15:19*	*1*

Lab Sample ID: LCS 180-115232/11
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	19.0		ug/L		95	22 - 150
Benzene	10.0	11.5		ug/L		115	80 - 120
Bromoform	10.0	11.3		ug/L		113	46 - 150
Bromomethane	10.0	7.69		ug/L		77	33 - 150
2-Butanone (MEK)	20.0	20.4		ug/L		102	39 - 138
Carbon disulfide	10.0	11.3		ug/L		113	54 - 132
Carbon tetrachloride	10.0	12.1		ug/L		121	55 - 150
Chlorobenzene	10.0	11.8		ug/L		118	80 - 120
Chlorobromomethane	10.0	11.3		ug/L		113	70 - 127
Chlorodibromomethane	10.0	12.3		ug/L		123	60 - 140
Chloroethane	10.0	6.82		ug/L		68	36 - 142
Chloroform	10.0	11.3		ug/L		113	72 - 127
Chloromethane	10.0	9.52		ug/L		95	50 - 139
cis-1,2-Dichloroethene	10.0	11.8		ug/L		118	70 - 120
cis-1,3-Dichloropropene	10.0	11.1		ug/L		111	66 - 120
Cyclohexane	10.0	11.8		ug/L		118	45 - 142
1,2-Dibromo-3-Chloropropane	10.0	10.7		ug/L		107	37 - 133
1,2-Dibromoethane	10.0	12.2		ug/L		122	74 - 123
1,2-Dichlorobenzene	10.0	11.3		ug/L		113	77 - 120
1,3-Dichlorobenzene	10.0	11.0		ug/L		110	76 - 120
1,4-Dichlorobenzene	10.0	11.3		ug/L		113	77 - 120
Dichlorobromomethane	10.0	11.9		ug/L		119	66 - 130
Dichlorodifluoromethane	10.0	6.59		ug/L		66	13 - 150
1,1-Dichloroethane	10.0	11.1		ug/L		111	73 - 126
1,2-Dichloroethane	10.0	11.5		ug/L		115	68 - 132
1,1-Dichloroethene	10.0	11.2		ug/L		112	65 - 136
1,2-Dichloropropane	10.0	11.7		ug/L		117	76 - 124
1,4-Dioxane	200	200		ug/L		100	10 - 160

QC Sample Results

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

Lab Sample ID: LCS 180-115232/11
Matrix: Water
Analysis Batch: 115232

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	10.0	12.1		ug/L		121	72 - 126
2-Hexanone	20.0	24.5		ug/L		123	25 - 132
Isopropylbenzene	10.0	12.0		ug/L		120	58 - 130
Methyl acetate	50.0	65.0		ug/L		130	47 - 142
Methylcyclohexane	10.0	10.6		ug/L		106	45 - 145
Methylene Chloride	10.0	11.2		ug/L		112	63 - 129
4-Methyl-2-pentanone (MIBK)	20.0	22.6		ug/L		113	45 - 145
Methyl tert-butyl ether	10.0	11.2		ug/L		112	64 - 123
m-Xylene & p-Xylene	10.0	12.0		ug/L		120	73 - 130
o-Xylene	10.0	11.8		ug/L		118	72 - 124
Styrene	10.0	12.6		ug/L		126	71 - 127
1,1,2,2-Tetrachloroethane	10.0	11.3		ug/L		113	62 - 125
Tetrachloroethene	10.0	11.1		ug/L		111	70 - 135
Toluene	10.0	11.6		ug/L		116	80 - 123
trans-1,2-Dichloroethene	10.0	11.8		ug/L		118	73 - 126
trans-1,3-Dichloropropene	10.0	12.0		ug/L		120	65 - 125
1,2,3-Trichlorobenzene	10.0	11.1		ug/L		111	59 - 127
1,2,4-Trichlorobenzene	10.0	11.4		ug/L		114	60 - 127
1,1,1-Trichloroethane	10.0	10.6		ug/L		106	63 - 133
1,1,2-Trichloroethane	10.0	11.8		ug/L		118	77 - 127
Trichloroethene	10.0	11.2		ug/L		112	73 - 120
Trichlorofluoromethane	10.0	6.55		ug/L		66	44 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.5		ug/L		105	46 - 148
Vinyl chloride	10.0	7.64		ug/L		76	53 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 118*
Dibromofluoromethane (Surr)	*104*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 135*
Toluene-d8 (Surr)	*101*		*71 - 118*

Lab Sample ID: LCSD 180-115232/12
Matrix: Water
Analysis Batch: 115232

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	20.0	23.0		ug/L		115	22 - 150	19	35
Benzene	10.0	11.6		ug/L		116	80 - 120	1	32
Bromoform	10.0	11.4		ug/L		114	46 - 150	1	35
Bromomethane	10.0	8.13		ug/L		81	33 - 150	6	35
2-Butanone (MEK)	20.0	22.5		ug/L		113	39 - 138	10	35
Carbon disulfide	10.0	11.2		ug/L		112	54 - 132	1	35
Carbon tetrachloride	10.0	12.2		ug/L		122	55 - 150	0	35
Chlorobenzene	10.0	10.9		ug/L		109	80 - 120	8	29
Chlorobromomethane	10.0	11.7		ug/L		117	70 - 127	3	35
Chlorodibromomethane	10.0	12.0		ug/L		120	60 - 140	2	35
Chloroethane	10.0	6.73		ug/L		67	36 - 142	1	35

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

Lab Sample ID: LCSD 180-115232/12
Matrix: Water
Analysis Batch: 115232

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroform	10.0	11.5		ug/L		115	72 - 127	1	35
Chloromethane	10.0	9.56		ug/L		96	50 - 139	0	35
cis-1,2-Dichloroethene	10.0	11.7		ug/L		117	70 - 120	1	35
cis-1,3-Dichloropropene	10.0	10.9		ug/L		109	66 - 120	2	35
Cyclohexane	10.0	11.9		ug/L		119	45 - 142	1	35
1,2-Dibromo-3-Chloropropane	10.0	11.9		ug/L		119	37 - 133	10	35
1,2-Dibromoethane	10.0	11.7		ug/L		117	74 - 123	5	35
1,2-Dichlorobenzene	10.0	11.9		ug/L		119	77 - 120	5	24
1,3-Dichlorobenzene	10.0	12.1	*	ug/L		121	76 - 120	10	24
1,4-Dichlorobenzene	10.0	11.7		ug/L		117	77 - 120	4	24
Dichlorobromomethane	10.0	12.0		ug/L		120	66 - 130	1	35
Dichlorodifluoromethane	10.0	6.68		ug/L		67	13 - 150	1	35
1,1-Dichloroethane	10.0	11.6		ug/L		116	73 - 126	4	35
1,2-Dichloroethane	10.0	11.6		ug/L		116	68 - 132	0	32
1,1-Dichloroethene	10.0	11.3		ug/L		113	65 - 136	1	35
1,2-Dichloropropane	10.0	12.1		ug/L		121	76 - 124	3	34
1,4-Dioxane	200	207		ug/L		104	10 - 160	4	35
Ethylbenzene	10.0	11.2		ug/L		112	72 - 126	8	33
2-Hexanone	20.0	23.8		ug/L		119	25 - 132	3	35
Isopropylbenzene	10.0	11.3		ug/L		113	58 - 130	6	35
Methyl acetate	50.0	67.9		ug/L		136	47 - 142	4	35
Methylcyclohexane	10.0	11.1		ug/L		111	45 - 145	4	35
Methylene Chloride	10.0	11.5		ug/L		115	63 - 129	3	35
4-Methyl-2-pentanone (MIBK)	20.0	22.7		ug/L		114	45 - 145	1	35
Methyl tert-butyl ether	10.0	12.0		ug/L		120	64 - 123	7	35
m-Xylene & p-Xylene	10.0	11.5		ug/L		115	73 - 130	4	32
o-Xylene	10.0	11.6		ug/L		116	72 - 124	2	33
Styrene	10.0	12.2		ug/L		122	71 - 127	4	34
1,1,2,2-Tetrachloroethane	10.0	10.9		ug/L		109	62 - 125	3	35
Tetrachloroethene	10.0	10.3		ug/L		103	70 - 135	7	35
Toluene	10.0	11.2		ug/L		112	80 - 123	4	35
trans-1,2-Dichloroethene	10.0	11.2		ug/L		112	73 - 126	5	35
trans-1,3-Dichloropropene	10.0	10.9		ug/L		109	65 - 125	10	35
1,2,3-Trichlorobenzene	10.0	12.4		ug/L		124	59 - 127	11	35
1,2,4-Trichlorobenzene	10.0	12.4		ug/L		124	60 - 127	8	35
1,1,1-Trichloroethane	10.0	10.8		ug/L		108	63 - 133	2	35
1,1,2-Trichloroethane	10.0	10.5		ug/L		105	77 - 127	11	35
Trichloroethene	10.0	11.0		ug/L		110	73 - 120	2	35
Trichlorofluoromethane	10.0	6.31		ug/L		63	44 - 150	4	35
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.8		ug/L		108	46 - 148	3	35
Vinyl chloride	10.0	7.38		ug/L		74	53 - 138	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 118*
Dibromofluoromethane (Surr)	*112*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 135*
Toluene-d8 (Surr)	*99*		*71 - 118*

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

Lab Sample ID: MB 180-115838/6
Matrix: Water
Analysis Batch: 115838

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/24/14 12:23	1
Benzene	ND		1.0	0.11	ug/L			08/24/14 12:23	1
Bromoform	ND		1.0	0.19	ug/L			08/24/14 12:23	1
Bromomethane	ND		1.0	0.31	ug/L			08/24/14 12:23	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/24/14 12:23	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/24/14 12:23	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/24/14 12:23	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/24/14 12:23	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/24/14 12:23	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/24/14 12:23	1
Chloroethane	ND		1.0	0.21	ug/L			08/24/14 12:23	1
Chloroform	ND		1.0	0.17	ug/L			08/24/14 12:23	1
Chloromethane	ND		1.0	0.28	ug/L			08/24/14 12:23	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/24/14 12:23	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/24/14 12:23	1
Cyclohexane	ND		1.0	0.25	ug/L			08/24/14 12:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/24/14 12:23	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/24/14 12:23	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/24/14 12:23	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/24/14 12:23	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/24/14 12:23	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/24/14 12:23	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/24/14 12:23	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/24/14 12:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/24/14 12:23	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/14 12:23	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/24/14 12:23	1
1,4-Dioxane	ND		200	34	ug/L			08/24/14 12:23	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/24/14 12:23	1
2-Hexanone	ND		5.0	0.16	ug/L			08/24/14 12:23	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/24/14 12:23	1
Methyl acetate	ND		1.0	0.14	ug/L			08/24/14 12:23	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/24/14 12:23	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/24/14 12:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/24/14 12:23	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/24/14 12:23	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/24/14 12:23	1
o-Xylene	ND		1.0	0.11	ug/L			08/24/14 12:23	1
Styrene	ND		1.0	0.097	ug/L			08/24/14 12:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/24/14 12:23	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/24/14 12:23	1
Toluene	ND		1.0	0.15	ug/L			08/24/14 12:23	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/24/14 12:23	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/24/14 12:23	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/24/14 12:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/24/14 12:23	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/24/14 12:23	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/24/14 12:23	1

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

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

Lab Sample ID: MB 180-115838/6
Matrix: Water
Analysis Batch: 115838

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.0	0.14	ug/L			08/24/14 12:23	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/14 12:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/24/14 12:23	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/24/14 12:23	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/24/14 12:23*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 118*		*08/24/14 12:23*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 128*		*08/24/14 12:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*64 - 135*		*08/24/14 12:23*	*1*
Toluene-d8 (Surr)	*104*		*71 - 118*		*08/24/14 12:23*	*1*

Lab Sample ID: LCS 180-115838/10
Matrix: Water
Analysis Batch: 115838

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10.0	9.06		ug/L		91	22 - 150
Benzene	10.0	10.8		ug/L		108	80 - 120
Bromoform	10.0	7.42		ug/L		74	46 - 150
Bromomethane	10.0	9.25		ug/L		93	33 - 150
2-Butanone (MEK)	10.0	10.4		ug/L		104	39 - 138
Carbon disulfide	10.0	10.2		ug/L		102	54 - 132
Carbon tetrachloride	10.0	7.83		ug/L		78	55 - 150
Chlorobenzene	10.0	10.7		ug/L		107	80 - 120
Chlorobromomethane	10.0	10.2		ug/L		102	70 - 127
Chlorodibromomethane	10.0	8.17		ug/L		82	60 - 140
Chloroethane	10.0	9.10		ug/L		91	36 - 142
Chloroform	10.0	10.8		ug/L		108	72 - 127
Chloromethane	10.0	8.74		ug/L		87	50 - 139
cis-1,2-Dichloroethene	10.0	10.3		ug/L		103	70 - 120
cis-1,3-Dichloropropene	10.0	9.49		ug/L		95	66 - 120
Cyclohexane	10.0	10.0		ug/L		100	45 - 142
1,2-Dibromo-3-Chloropropane	10.0	7.73		ug/L		77	37 - 133
1,2-Dibromoethane	10.0	10.1		ug/L		101	74 - 123
1,2-Dichlorobenzene	10.0	10.9		ug/L		109	77 - 120
1,3-Dichlorobenzene	10.0	10.8		ug/L		108	76 - 120
1,4-Dichlorobenzene	10.0	10.6		ug/L		106	77 - 120
Dichlorobromomethane	10.0	9.34		ug/L		93	66 - 130
Dichlorodifluoromethane	10.0	7.90		ug/L		79	13 - 150
1,1-Dichloroethane	10.0	10.6		ug/L		106	73 - 126
1,2-Dichloroethane	10.0	10.5		ug/L		105	68 - 132
1,1-Dichloroethene	10.0	10.2		ug/L		102	65 - 136
1,2-Dichloropropane	10.0	10.3		ug/L		103	76 - 124
1,4-Dioxane	200	120	J	ug/L		60	10 - 160

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

Lab Sample ID: LCS 180-115838/10
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115838

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	10.0	10.4		ug/L		104	72 - 126
2-Hexanone	10.0	8.13		ug/L		81	25 - 132
Isopropylbenzene	10.0	10.9		ug/L		109	58 - 130
Methyl acetate	50.0	47.3		ug/L		95	47 - 142
Methylcyclohexane	10.0	10.5		ug/L		105	45 - 145
Methylene Chloride	10.0	9.43		ug/L		94	63 - 129
4-Methyl-2-pentanone (MIBK)	10.0	9.05		ug/L		90	45 - 145
Methyl tert-butyl ether	10.0	10.7		ug/L		107	64 - 123
m-Xylene & p-Xylene	10.0	10.8		ug/L		108	73 - 130
o-Xylene	10.0	10.4		ug/L		104	72 - 124
Styrene	10.0	10.5		ug/L		105	71 - 127
1,1,2,2-Tetrachloroethane	10.0	10.2		ug/L		102	62 - 125
Tetrachloroethene	10.0	10.4		ug/L		104	70 - 135
Toluene	10.0	10.6		ug/L		106	80 - 123
trans-1,2-Dichloroethene	10.0	10.6		ug/L		106	73 - 126
trans-1,3-Dichloropropene	10.0	9.73		ug/L		97	65 - 125
1,2,3-Trichlorobenzene	10.0	10.4		ug/L		104	59 - 127
1,2,4-Trichlorobenzene	10.0	10.7		ug/L		107	60 - 127
1,1,1-Trichloroethane	10.0	9.42		ug/L		94	63 - 133
1,1,2-Trichloroethane	10.0	10.4		ug/L		104	77 - 127
Trichloroethene	10.0	10.7		ug/L		107	73 - 120
Trichlorofluoromethane	10.0	9.13		ug/L		91	44 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.1		ug/L		101	46 - 148
Vinyl chloride	10.0	8.85		ug/L		89	53 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 118*
Dibromofluoromethane (Surr)	*98*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 135*
Toluene-d8 (Surr)	*96*		*71 - 118*

Lab Sample ID: MB 180-115910/5
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115910

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/25/14 11:54	1
Benzene	ND		1.0	0.11	ug/L			08/25/14 11:54	1
Bromoform	ND		1.0	0.19	ug/L			08/25/14 11:54	1
Bromomethane	ND		1.0	0.31	ug/L			08/25/14 11:54	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/25/14 11:54	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/25/14 11:54	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/25/14 11:54	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/25/14 11:54	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/25/14 11:54	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/25/14 11:54	1
Chloroethane	ND		1.0	0.21	ug/L			08/25/14 11:54	1

QC Sample Results

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

Lab Sample ID: MB 180-115910/5
Matrix: Water
Analysis Batch: 115910

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.17	ug/L			08/25/14 11:54	1
Chloromethane	ND		1.0	0.28	ug/L			08/25/14 11:54	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/25/14 11:54	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/25/14 11:54	1
Cyclohexane	ND		1.0	0.25	ug/L			08/25/14 11:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/25/14 11:54	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/25/14 11:54	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/25/14 11:54	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/25/14 11:54	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/25/14 11:54	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/25/14 11:54	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/25/14 11:54	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/25/14 11:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/25/14 11:54	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/25/14 11:54	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/25/14 11:54	1
1,4-Dioxane	ND		200	34	ug/L			08/25/14 11:54	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/25/14 11:54	1
2-Hexanone	ND		5.0	0.16	ug/L			08/25/14 11:54	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/25/14 11:54	1
Methyl acetate	ND		1.0	0.14	ug/L			08/25/14 11:54	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/25/14 11:54	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/25/14 11:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/25/14 11:54	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/25/14 11:54	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/25/14 11:54	1
o-Xylene	ND		1.0	0.11	ug/L			08/25/14 11:54	1
Styrene	ND		1.0	0.097	ug/L			08/25/14 11:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/25/14 11:54	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/25/14 11:54	1
Toluene	ND		1.0	0.15	ug/L			08/25/14 11:54	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/25/14 11:54	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/25/14 11:54	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/25/14 11:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/25/14 11:54	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/25/14 11:54	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/25/14 11:54	1
Trichloroethene	ND		1.0	0.14	ug/L			08/25/14 11:54	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/25/14 11:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/25/14 11:54	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/25/14 11:54	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/25/14 11:54*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 118*		*08/25/14 11:54*	*1*

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

Lab Sample ID: MB 180-115910/5
Matrix: Water
Analysis Batch: 115910

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

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*94*		*70 - 128*		*08/25/14 11:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*64 - 135*		*08/25/14 11:54*	*1*
Toluene-d8 (Surr)	*101*		*71 - 118*		*08/25/14 11:54*	*1*

Lab Sample ID: LCS 180-115910/8
Matrix: Water
Analysis Batch: 115910

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10.0	8.33		ug/L		83	22 - 150
Benzene	10.0	10.3		ug/L		103	80 - 120
Bromoform	10.0	7.50		ug/L		75	46 - 150
Bromomethane	10.0	9.86		ug/L		99	33 - 150
2-Butanone (MEK)	10.0	9.54		ug/L		95	39 - 138
Carbon disulfide	10.0	10.6		ug/L		106	54 - 132
Carbon tetrachloride	10.0	8.14		ug/L		81	55 - 150
Chlorobenzene	10.0	10.6		ug/L		106	80 - 120
Chlorobromomethane	10.0	10.1		ug/L		101	70 - 127
Chlorodibromomethane	10.0	8.62		ug/L		86	60 - 140
Chloroethane	10.0	8.21		ug/L		82	36 - 142
Chloroform	10.0	10.1		ug/L		101	72 - 127
Chloromethane	10.0	8.09		ug/L		81	50 - 139
cis-1,2-Dichloroethene	10.0	9.90		ug/L		99	70 - 120
cis-1,3-Dichloropropene	10.0	9.25		ug/L		93	66 - 120
Cyclohexane	10.0	9.45		ug/L		95	45 - 142
1,2-Dibromo-3-Chloropropane	10.0	8.82		ug/L		88	37 - 133
1,2-Dibromoethane	10.0	10.0		ug/L		100	74 - 123
1,2-Dichlorobenzene	10.0	10.6		ug/L		106	77 - 120
1,3-Dichlorobenzene	10.0	10.5		ug/L		105	76 - 120
1,4-Dichlorobenzene	10.0	10.6		ug/L		106	77 - 120
Dichlorobromomethane	10.0	9.19		ug/L		92	66 - 130
Dichlorodifluoromethane	10.0	7.58		ug/L		76	13 - 150
1,1-Dichloroethane	10.0	9.95		ug/L		100	73 - 126
1,2-Dichloroethane	10.0	9.68		ug/L		97	68 - 132
1,1-Dichloroethene	10.0	9.48		ug/L		95	65 - 136
1,2-Dichloropropane	10.0	9.77		ug/L		98	76 - 124
1,4-Dioxane	200	113	J	ug/L		57	10 - 160
Ethylbenzene	10.0	10.5		ug/L		105	72 - 126
2-Hexanone	10.0	8.21		ug/L		82	25 - 132
Isopropylbenzene	10.0	10.9		ug/L		109	58 - 130
Methyl acetate	50.0	47.6		ug/L		95	47 - 142
Methylcyclohexane	10.0	9.73		ug/L		97	45 - 145
Methylene Chloride	10.0	9.61		ug/L		96	63 - 129
4-Methyl-2-pentanone (MIBK)	10.0	9.32		ug/L		93	45 - 145
Methyl tert-butyl ether	10.0	10.4		ug/L		104	64 - 123
m-Xylene & p-Xylene	10.0	10.6		ug/L		106	73 - 130
o-Xylene	10.0	10.5		ug/L		105	72 - 124
Styrene	10.0	10.5		ug/L		105	71 - 127

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

Lab Sample ID: LCS 180-115910/8
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115910

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	10.0	10.4		ug/L		104	62 - 125
Tetrachloroethene	10.0	10.8		ug/L		108	70 - 135
Toluene	10.0	10.5		ug/L		105	80 - 123
trans-1,2-Dichloroethene	10.0	10.1		ug/L		101	73 - 126
trans-1,3-Dichloropropene	10.0	9.90		ug/L		99	65 - 125
1,2,3-Trichlorobenzene	10.0	9.21		ug/L		92	59 - 127
1,2,4-Trichlorobenzene	10.0	10.0		ug/L		100	60 - 127
1,1,1-Trichloroethane	10.0	9.40		ug/L		94	63 - 133
1,1,2-Trichloroethane	10.0	10.8		ug/L		108	77 - 127
Trichloroethene	10.0	10.7		ug/L		107	73 - 120
Trichlorofluoromethane	10.0	9.32		ug/L		93	44 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.60		ug/L		96	46 - 148
Vinyl chloride	10.0	8.33		ug/L		83	53 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 118*
Dibromofluoromethane (Surr)	*100*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*95*		*64 - 135*
Toluene-d8 (Surr)	*104*		*71 - 118*

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-114996/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 114991
Prep Batch: 114996

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Benzene	ND		5.0	0.68	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Bromoform	ND		5.0	0.44	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Chloroform	ND		5.0	0.58	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/17/14 10:00	08/17/14 13:01	1

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

Lab Sample ID: MB 180-114996/1-A
Matrix: Solid
Analysis Batch: 114991

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114996

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Styrene	ND		5.0	0.71	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Toluene	ND		5.0	0.73	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Trichloroethene	ND		5.0	0.66	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/17/14 10:00	08/17/14 13:01	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/17/14 10:00	08/17/14 13:01	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/17/14 10:00*	*08/17/14 13:01*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*63 - 120*	*08/17/14 10:00*	*08/17/14 13:01*	*1*
Dibromofluoromethane (Surr)	*98*		*68 - 121*	*08/17/14 10:00*	*08/17/14 13:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*52 - 124*	*08/17/14 10:00*	*08/17/14 13:01*	*1*
Toluene-d8 (Surr)	*97*		*72 - 127*	*08/17/14 10:00*	*08/17/14 13:01*	*1*

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

Lab Sample ID: LCS 180-114996/2-A
Matrix: Solid
Analysis Batch: 114991

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114996

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	35.2		ug/Kg		88	20 - 150
Benzene	40.0	45.2		ug/Kg		113	77 - 120
Bromoform	40.0	34.8		ug/Kg		87	53 - 140
Bromomethane	40.0	52.5		ug/Kg		131	25 - 150
2-Butanone (MEK)	40.0	31.2		ug/Kg		78	35 - 149
Carbon disulfide	40.0	49.3		ug/Kg		123	50 - 127
Carbon tetrachloride	40.0	50.1	*	ug/Kg		125	69 - 122
Chlorobenzene	40.0	43.6		ug/Kg		109	79 - 120
Chlorobromomethane	40.0	40.6		ug/Kg		101	67 - 126
Chlorodibromomethane	40.0	39.5		ug/Kg		99	70 - 132
Chloroethane	40.0	76.3	*	ug/Kg		191	22 - 150
Chloroform	40.0	47.9		ug/Kg		120	72 - 120
Chloromethane	40.0	47.5		ug/Kg		119	44 - 131
cis-1,2-Dichloroethene	40.0	45.3		ug/Kg		113	80 - 118
cis-1,3-Dichloropropene	40.0	40.5		ug/Kg		101	73 - 120
Cyclohexane	40.0	45.1		ug/Kg		113	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	26.5		ug/Kg		66	35 - 136
1,2-Dibromoethane	40.0	36.0		ug/Kg		90	70 - 131
1,2-Dichlorobenzene	40.0	39.1		ug/Kg		98	71 - 124
1,3-Dichlorobenzene	40.0	41.5		ug/Kg		104	75 - 118
1,4-Dichlorobenzene	40.0	40.7		ug/Kg		102	77 - 116
Dichlorobromomethane	40.0	43.3		ug/Kg		108	70 - 125
Dichlorodifluoromethane	40.0	40.3		ug/Kg		101	25 - 150
1,1-Dichloroethane	40.0	46.5		ug/Kg		116	66 - 124
1,2-Dichloroethane	40.0	44.3		ug/Kg		111	61 - 127
1,1-Dichloroethene	40.0	49.5		ug/Kg		124	59 - 129
1,2-Dichloropropane	40.0	41.8		ug/Kg		104	72 - 122
1,4-Dioxane	800	536	J	ug/Kg		67	10 - 160
Ethylbenzene	40.0	44.0		ug/Kg		110	78 - 125
2-Hexanone	40.0	34.7		ug/Kg		87	32 - 150
Isopropylbenzene	40.0	44.7		ug/Kg		112	70 - 133
Methyl acetate	200	154		ug/Kg		77	27 - 142
Methylcyclohexane	40.0	41.6		ug/Kg		104	66 - 135
Methylene Chloride	40.0	41.2		ug/Kg		103	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	35.4		ug/Kg		89	44 - 148
Methyl tert-butyl ether	40.0	42.2		ug/Kg		105	48 - 132
m-Xylene & p-Xylene	40.0	43.6		ug/Kg		109	75 - 126
o-Xylene	40.0	43.8		ug/Kg		110	83 - 127
Styrene	40.0	43.1		ug/Kg		108	83 - 129
1,1,2,2-Tetrachloroethane	40.0	31.9		ug/Kg		80	60 - 139
Tetrachloroethene	40.0	42.5		ug/Kg		106	78 - 129
Toluene	40.0	44.2		ug/Kg		110	78 - 124
trans-1,2-Dichloroethene	40.0	47.5		ug/Kg		119	77 - 121
trans-1,3-Dichloropropene	40.0	40.5		ug/Kg		101	74 - 129
1,2,3-Trichlorobenzene	40.0	29.8		ug/Kg		75	37 - 144
1,2,4-Trichlorobenzene	40.0	34.3		ug/Kg		86	51 - 136
1,1,1-Trichloroethane	40.0	50.5		ug/Kg		126	67 - 126
1,1,2-Trichloroethane	40.0	36.8		ug/Kg		92	70 - 128

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

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

Lab Sample ID: LCS 180-114996/2-A
Matrix: Solid
Analysis Batch: 114991

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114996

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	40.0	42.8		ug/Kg		107	76 - 119
Trichlorofluoromethane	40.0	53.5		ug/Kg		134	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	53.0	*	ug/Kg		132	55 - 130
Vinyl chloride	40.0	44.0		ug/Kg		110	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*63 - 120*
Dibromofluoromethane (Surr)	*116*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*113*		*52 - 124*
Toluene-d8 (Surr)	*109*		*72 - 127*

Lab Sample ID: 180-35776-42 MS
Matrix: Solid
Analysis Batch: 114991

Client Sample ID: SSHS-B99-SS
Prep Type: Total/NA
Prep Batch: 114996

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	280		46.9	342	E 4	ug/Kg	☼	140	20 - 150
Benzene	ND		46.9	54.8		ug/Kg	☼	117	77 - 120
Bromoform	ND		46.9	32.3		ug/Kg	☼	69	53 - 140
Bromomethane	ND		46.9	59.6		ug/Kg	☼	127	25 - 150
2-Butanone (MEK)	ND		46.9	21.8		ug/Kg	☼	46	35 - 149
Carbon disulfide	ND		46.9	57.1		ug/Kg	☼	122	50 - 127
Carbon tetrachloride	ND	*	46.9	57.5	F1	ug/Kg	☼	123	69 - 122
Chlorobenzene	ND		46.9	51.3		ug/Kg	☼	110	79 - 120
Chlorobromomethane	ND		46.9	47.3		ug/Kg	☼	101	67 - 126
Chlorodibromomethane	ND		46.9	41.6		ug/Kg	☼	89	70 - 132
Chloroethane	ND	*	46.9	90.0	F1	ug/Kg	☼	192	22 - 150
Chloroform	ND		46.9	57.6	F1	ug/Kg	☼	123	72 - 120
Chloromethane	ND		46.9	56.0		ug/Kg	☼	119	44 - 131
cis-1,2-Dichloroethene	ND		46.9	53.1		ug/Kg	☼	113	80 - 118
cis-1,3-Dichloropropene	ND		46.9	45.1		ug/Kg	☼	96	73 - 120
Cyclohexane	ND		46.9	52.1		ug/Kg	☼	111	64 - 130
1,2-Dibromo-3-Chloropropane	ND		46.9	26.2		ug/Kg	☼	56	35 - 136
1,2-Dibromoethane	ND		46.9	37.9		ug/Kg	☼	81	70 - 131
1,2-Dichlorobenzene	ND		46.9	46.6		ug/Kg	☼	100	71 - 124
1,3-Dichlorobenzene	ND		46.9	50.9		ug/Kg	☼	109	75 - 118
1,4-Dichlorobenzene	ND		46.9	49.9		ug/Kg	☼	107	77 - 116
Dichlorobromomethane	ND		46.9	49.3		ug/Kg	☼	105	70 - 125
Dichlorodifluoromethane	ND		46.9	44.3		ug/Kg	☼	94	25 - 150
1,1-Dichloroethane	ND		46.9	55.6		ug/Kg	☼	119	66 - 124
1,2-Dichloroethane	ND		46.9	48.8		ug/Kg	☼	104	61 - 127
1,1-Dichloroethene	ND		46.9	56.9		ug/Kg	☼	122	59 - 129
1,2-Dichloropropane	ND		46.9	49.9		ug/Kg	☼	106	72 - 122
1,4-Dioxane	ND		937	532	J	ug/Kg	☼	57	10 - 160
Ethylbenzene	ND		46.9	52.7		ug/Kg	☼	113	78 - 125
2-Hexanone	ND		46.9	22.8		ug/Kg	☼	49	32 - 150
Isopropylbenzene	ND		46.9	52.4		ug/Kg	☼	112	70 - 133

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

Lab Sample ID: 180-35776-42 MS
Matrix: Solid
Analysis Batch: 114991

Client Sample ID: SSHS-B99-SS
Prep Type: Total/NA
Prep Batch: 114996

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl acetate	ND		234	153		ug/Kg	☼	66	27 - 142
Methylcyclohexane	ND		46.9	47.1		ug/Kg	☼	101	66 - 135
Methylene Chloride	ND		46.9	51.6		ug/Kg	☼	110	58 - 127
4-Methyl-2-pentanone (MIBK)	ND		46.9	33.0		ug/Kg	☼	71	44 - 148
Methyl tert-butyl ether	ND		46.9	45.8		ug/Kg	☼	98	48 - 132
m-Xylene & p-Xylene	ND		46.9	51.3		ug/Kg	☼	109	75 - 126
o-Xylene	ND		46.9	52.9		ug/Kg	☼	113	83 - 127
Styrene	ND		46.9	50.4		ug/Kg	☼	107	83 - 129
1,1,2,2-Tetrachloroethane	ND		46.9	32.1		ug/Kg	☼	69	60 - 139
Tetrachloroethene	ND		46.9	50.9		ug/Kg	☼	109	78 - 129
Toluene	ND		46.9	53.3		ug/Kg	☼	114	78 - 124
trans-1,2-Dichloroethene	ND		46.9	58.7	F1	ug/Kg	☼	125	77 - 121
trans-1,3-Dichloropropene	ND		46.9	44.6		ug/Kg	☼	95	74 - 129
1,2,3-Trichlorobenzene	ND		46.9	32.4		ug/Kg	☼	69	37 - 144
1,2,4-Trichlorobenzene	ND		46.9	36.8		ug/Kg	☼	78	51 - 136
1,1,1-Trichloroethane	ND		46.9	62.1	F1	ug/Kg	☼	133	67 - 126
1,1,2-Trichloroethane	ND		46.9	39.0		ug/Kg	☼	83	70 - 128
Trichloroethene	ND		46.9	51.1		ug/Kg	☼	109	76 - 119
Trichlorofluoromethane	ND		46.9	64.0		ug/Kg	☼	137	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	46.9	61.5	F1	ug/Kg	☼	131	55 - 130
Vinyl chloride	ND		46.9	51.0		ug/Kg	☼	109	63 - 124

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*63 - 120*
Dibromofluoromethane (Surr)	*107*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*98*		*52 - 124*
Toluene-d8 (Surr)	*102*		*72 - 127*

Lab Sample ID: 180-35776-42 MSD
Matrix: Solid
Analysis Batch: 114991

Client Sample ID: SSHS-B99-SS
Prep Type: Total/NA
Prep Batch: 114996

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	280		47.8	330	E 4	ug/Kg	☼	113	20 - 150	3	40
Benzene	ND		47.8	49.2		ug/Kg	☼	103	77 - 120	11	20
Bromoform	ND		47.8	32.6		ug/Kg	☼	68	53 - 140	1	23
Bromomethane	ND		47.8	53.9		ug/Kg	☼	113	25 - 150	10	40
2-Butanone (MEK)	ND		47.8	21.6		ug/Kg	☼	45	35 - 149	1	36
Carbon disulfide	ND		47.8	46.9		ug/Kg	☼	98	50 - 127	20	23
Carbon tetrachloride	ND	*	47.8	47.9		ug/Kg	☼	100	69 - 122	18	22
Chlorobenzene	ND		47.8	48.4		ug/Kg	☼	101	79 - 120	6	20
Chlorobromomethane	ND		47.8	44.8		ug/Kg	☼	94	67 - 126	5	29
Chlorodibromomethane	ND		47.8	41.0		ug/Kg	☼	86	70 - 132	1	20
Chloroethane	ND	*	47.8	76.0	F1	ug/Kg	☼	159	22 - 150	17	40
Chloroform	ND		47.8	52.6		ug/Kg	☼	110	72 - 120	9	25
Chloromethane	ND		47.8	46.5		ug/Kg	☼	97	44 - 131	19	27
cis-1,2-Dichloroethene	ND		47.8	50.0		ug/Kg	☼	105	80 - 118	6	20

QC Sample Results

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

Lab Sample ID: 180-35776-42 MSD
Client Sample ID: SSHS-B99-SS
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 114991
Prep Batch: 114996

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	**Result**	**Qualifier**	**Added**	**Result**	**Qualifier**	**Unit**	**D**	**%Rec**	**Limits**	**RPD**	**Limit**
cis-1,3-Dichloropropene	ND		47.8	43.8		ug/Kg	☼	92	73 - 120	3	20
Cyclohexane	ND		47.8	42.8		ug/Kg	☼	90	64 - 130	20	21
1,2-Dibromo-3-Chloropropane	ND		47.8	28.3		ug/Kg	☼	59	35 - 136	8	40
1,2-Dibromoethane	ND		47.8	39.3		ug/Kg	☼	82	70 - 131	4	20
1,2-Dichlorobenzene	ND		47.8	46.6		ug/Kg	☼	98	71 - 124	0	22
1,3-Dichlorobenzene	ND		47.8	49.2		ug/Kg	☼	103	75 - 118	4	20
1,4-Dichlorobenzene	ND		47.8	50.4		ug/Kg	☼	106	77 - 116	1	20
Dichlorobromomethane	ND		47.8	46.9		ug/Kg	☼	98	70 - 125	5	21
Dichlorodifluoromethane	ND		47.8	34.3		ug/Kg	☼	72	25 - 150	26	34
1,1-Dichloroethane	ND		47.8	50.4		ug/Kg	☼	106	66 - 124	10	23
1,2-Dichloroethane	ND		47.8	47.8		ug/Kg	☼	100	61 - 127	2	23
1,1-Dichloroethene	ND		47.8	46.5		ug/Kg	☼	97	59 - 129	20	25
1,2-Dichloropropane	ND		47.8	45.9		ug/Kg	☼	96	72 - 122	8	20
1,4-Dioxane	ND		955	607	J	ug/Kg	☼	64	10 - 160	13	40
Ethylbenzene	ND		47.8	46.5		ug/Kg	☼	97	78 - 125	12	21
2-Hexanone	ND		47.8	22.8		ug/Kg	☼	48	32 - 150	0	32
Isopropylbenzene	ND		47.8	46.0		ug/Kg	☼	96	70 - 133	13	22
Methyl acetate	ND		239	160		ug/Kg	☼	67	27 - 142	4	40
Methylcyclohexane	ND		47.8	39.1		ug/Kg	☼	82	66 - 135	18	23
Methylene Chloride	ND		47.8	48.0		ug/Kg	☼	101	58 - 127	7	28
4-Methyl-2-pentanone (MIBK)	ND		47.8	35.4		ug/Kg	☼	74	44 - 148	7	30
Methyl tert-butyl ether	ND		47.8	45.3		ug/Kg	☼	95	48 - 132	1	36
m-Xylene & p-Xylene	ND		47.8	46.6		ug/Kg	☼	98	75 - 126	10	21
o-Xylene	ND		47.8	48.7		ug/Kg	☼	102	83 - 127	8	20
Styrene	ND		47.8	46.3		ug/Kg	☼	97	83 - 129	8	20
1,1,2,2-Tetrachloroethane	ND		47.8	34.4		ug/Kg	☼	72	60 - 139	7	24
Tetrachloroethene	ND		47.8	43.0		ug/Kg	☼	90	78 - 129	17	20
Toluene	ND		47.8	48.3		ug/Kg	☼	101	78 - 124	10	21
trans-1,2-Dichloroethene	ND		47.8	49.2		ug/Kg	☼	103	77 - 121	18	20
trans-1,3-Dichloropropene	ND		47.8	42.9		ug/Kg	☼	90	74 - 129	4	20
1,2,3-Trichlorobenzene	ND		47.8	31.9		ug/Kg	☼	67	37 - 144	2	40
1,2,4-Trichlorobenzene	ND		47.8	37.3		ug/Kg	☼	78	51 - 136	2	40
1,1,1-Trichloroethane	ND		47.8	51.9		ug/Kg	☼	109	67 - 126	18	31
1,1,2-Trichloroethane	ND		47.8	41.0		ug/Kg	☼	86	70 - 128	5	22
Trichloroethene	ND		47.8	43.8		ug/Kg	☼	92	76 - 119	15	21
Trichlorofluoromethane	ND		47.8	47.7		ug/Kg	☼	100	20 - 150	29	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	47.8	49.8		ug/Kg	☼	104	55 - 130	21	37
Vinyl chloride	ND		47.8	41.7		ug/Kg	☼	87	63 - 124	20	27

	MSD	*MSD*	
Surrogate	***%Recovery***	***Qualifier***	***Limits***
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*
Dibromofluoromethane (Surr)	*104*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*98*		*52 - 124*
Toluene-d8 (Surr)	*100*		*72 - 127*

QC Sample Results

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

Lab Sample ID: MB 180-115034/1-A
Matrix: Solid
Analysis Batch: 115020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115034

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Benzene	ND		5.0	0.68	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Bromoform	ND		5.0	0.44	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Chloroform	ND		5.0	0.58	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Styrene	ND		5.0	0.71	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Toluene	ND		5.0	0.73	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/18/14 04:22	08/18/14 06:43	1

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

Lab Sample ID: MB 180-115034/1-A
Matrix: Solid
Analysis Batch: 115020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115034

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.0	0.66	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/18/14 04:22	08/18/14 06:43	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/18/14 04:22*	*08/18/14 06:43*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*	*08/18/14 04:22*	*08/18/14 06:43*	*1*
Dibromofluoromethane (Surr)	*99*		*68 - 121*	*08/18/14 04:22*	*08/18/14 06:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*52 - 124*	*08/18/14 04:22*	*08/18/14 06:43*	*1*
Toluene-d8 (Surr)	*95*		*72 - 127*	*08/18/14 04:22*	*08/18/14 06:43*	*1*

Lab Sample ID: LCS 180-115034/2-A
Matrix: Solid
Analysis Batch: 115020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115034

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	40.3		ug/Kg		101	20 - 150
Benzene	40.0	38.0		ug/Kg		95	77 - 120
Bromoform	40.0	34.6		ug/Kg		87	53 - 140
Bromomethane	40.0	49.3		ug/Kg		123	25 - 150
2-Butanone (MEK)	40.0	37.2		ug/Kg		93	35 - 149
Carbon disulfide	40.0	41.7		ug/Kg		104	50 - 127
Carbon tetrachloride	40.0	44.8		ug/Kg		112	69 - 122
Chlorobenzene	40.0	37.5		ug/Kg		94	79 - 120
Chlorobromomethane	40.0	37.4		ug/Kg		94	67 - 126
Chlorodibromomethane	40.0	37.9		ug/Kg		95	70 - 132
Chloroethane	40.0	46.6		ug/Kg		116	22 - 150
Chloroform	40.0	41.6		ug/Kg		104	72 - 120
Chloromethane	40.0	43.5		ug/Kg		109	44 - 131
cis-1,2-Dichloroethene	40.0	38.4		ug/Kg		96	80 - 118
cis-1,3-Dichloropropene	40.0	36.5		ug/Kg		91	73 - 120
Cyclohexane	40.0	39.8		ug/Kg		99	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	30.8		ug/Kg		77	35 - 136
1,2-Dibromoethane	40.0	37.0		ug/Kg		93	70 - 131
1,2-Dichlorobenzene	40.0	36.5		ug/Kg		91	71 - 124
1,3-Dichlorobenzene	40.0	37.0		ug/Kg		92	75 - 118
1,4-Dichlorobenzene	40.0	37.1		ug/Kg		93	77 - 116
Dichlorobromomethane	40.0	38.7		ug/Kg		97	70 - 125
Dichlorodifluoromethane	40.0	37.2		ug/Kg		93	25 - 150
1,1-Dichloroethane	40.0	39.4		ug/Kg		98	66 - 124
1,2-Dichloroethane	40.0	43.3		ug/Kg		108	61 - 127
1,1-Dichloroethene	40.0	43.6		ug/Kg		109	59 - 129
1,2-Dichloropropane	40.0	36.4		ug/Kg		91	72 - 122
1,4-Dioxane	800	727	J	ug/Kg		91	10 - 160

QC Sample Results

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

Lab Sample ID: LCS 180-115034/2-A
Matrix: Solid
Analysis Batch: 115020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115034

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	40.0	36.7		ug/Kg		92	78 - 125
2-Hexanone	40.0	38.6		ug/Kg		97	32 - 150
Isopropylbenzene	40.0	37.7		ug/Kg		94	70 - 133
Methyl acetate	200	189		ug/Kg		95	27 - 142
Methylcyclohexane	40.0	36.2		ug/Kg		90	66 - 135
Methylene Chloride	40.0	34.3		ug/Kg		86	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	39.4		ug/Kg		98	44 - 148
Methyl tert-butyl ether	40.0	42.9		ug/Kg		107	48 - 132
m-Xylene & p-Xylene	40.0	36.5		ug/Kg		91	75 - 126
o-Xylene	40.0	37.1		ug/Kg		93	83 - 127
Styrene	40.0	37.1		ug/Kg		93	83 - 129
1,1,2,2-Tetrachloroethane	40.0	35.2		ug/Kg		88	60 - 139
Tetrachloroethene	40.0	38.0		ug/Kg		95	78 - 129
Toluene	40.0	38.0		ug/Kg		95	78 - 124
trans-1,2-Dichloroethene	40.0	39.7		ug/Kg		99	77 - 121
trans-1,3-Dichloropropene	40.0	38.6		ug/Kg		97	74 - 129
1,2,3-Trichlorobenzene	40.0	25.7		ug/Kg		64	37 - 144
1,2,4-Trichlorobenzene	40.0	29.5		ug/Kg		74	51 - 136
1,1,1-Trichloroethane	40.0	45.4		ug/Kg		113	67 - 126
1,1,2-Trichloroethane	40.0	36.5		ug/Kg		91	70 - 128
Trichloroethene	40.0	35.8		ug/Kg		90	76 - 119
Trichlorofluoromethane	40.0	45.7		ug/Kg		114	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	47.9		ug/Kg		120	55 - 130
Vinyl chloride	40.0	40.4		ug/Kg		101	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*
Dibromofluoromethane (Surr)	*99*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*
Toluene-d8 (Surr)	*94*		*72 - 127*

Lab Sample ID: MB 180-115242/1-A
Matrix: Solid
Analysis Batch: 115214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115242

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		1000	250	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Benzene	ND		250	49	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Bromoform	ND		250	53	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Bromomethane	ND		250	79	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
2-Butanone (MEK)	ND		250	54	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Carbon disulfide	ND		250	54	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Carbon tetrachloride	ND		250	54	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Chlorobenzene	ND		250	26	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Chlorobromomethane	ND		250	50	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Chlorodibromomethane	ND		250	32	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Chloroethane	ND		250	37	ug/Kg		08/19/14 08:45	08/19/14 12:57	1

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

Lab Sample ID: MB 180-115242/1-A
Matrix: Solid
Analysis Batch: 115214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115242

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		250	50	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Chloromethane	ND		250	70	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
cis-1,2-Dichloroethene	ND		250	33	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
cis-1,3-Dichloropropene	ND		250	36	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Cyclohexane	ND		250	30	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,2-Dibromo-3-Chloropropane	ND		250	18	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,2-Dibromoethane	ND		250	31	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,2-Dichlorobenzene	ND		250	34	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,3-Dichlorobenzene	ND		250	25	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,4-Dichlorobenzene	ND		250	26	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Dichlorobromomethane	ND		250	47	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Dichlorodifluoromethane	ND		250	32	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,1-Dichloroethane	ND		250	51	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,2-Dichloroethane	ND		250	48	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,1-Dichloroethene	ND		250	53	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,2-Dichloropropane	ND		250	64	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,4-Dioxane	ND		50000	4900	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Ethylbenzene	ND		250	31	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
2-Hexanone	ND		250	28	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Isopropylbenzene	ND		250	27	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Methyl acetate	ND		250	61	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Methylcyclohexane	ND		250	28	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Methylene Chloride	ND		250	54	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
4-Methyl-2-pentanone (MIBK)	ND		250	30	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Methyl tert-butyl ether	ND		250	51	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
m-Xylene & p-Xylene	ND		500	64	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
o-Xylene	ND		250	37	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Styrene	ND		250	32	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,1,2,2-Tetrachloroethane	ND		250	47	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Tetrachloroethene	ND		250	41	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Toluene	ND		250	42	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
trans-1,2-Dichloroethene	ND		250	38	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
trans-1,3-Dichloropropene	ND		250	29	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,2,3-Trichlorobenzene	ND		250	31	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,2,4-Trichlorobenzene	ND		250	19	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,1,1-Trichloroethane	ND		250	51	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,1,2-Trichloroethane	ND		250	58	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Trichloroethene	ND		250	40	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Trichlorofluoromethane	ND		250	56	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250	17	ug/Kg		08/19/14 08:45	08/19/14 12:57	1
Vinyl chloride	ND		250	65	ug/Kg		08/19/14 08:45	08/19/14 12:57	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/19/14 08:45*	*08/19/14 12:57*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*63 - 120*	*08/19/14 08:45*	*08/19/14 12:57*	*1*

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

Lab Sample ID: MB 180-115242/1-A
Matrix: Solid
Analysis Batch: 115214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115242

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*94*		*68 - 121*	*08/19/14 08:45*	*08/19/14 12:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*74*		*52 - 124*	*08/19/14 08:45*	*08/19/14 12:57*	*1*
Toluene-d8 (Surr)	*108*		*72 - 127*	*08/19/14 08:45*	*08/19/14 12:57*	*1*

Lab Sample ID: LCS 180-115242/2-A
Matrix: Solid
Analysis Batch: 115214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115242

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	2000	1490		ug/Kg		74	20 - 150
Benzene	2000	2060		ug/Kg		103	77 - 120
Bromoform	2000	1490		ug/Kg		74	53 - 140
Bromomethane	2000	1780		ug/Kg		89	25 - 150
2-Butanone (MEK)	2000	1430		ug/Kg		72	35 - 149
Carbon disulfide	2000	2370		ug/Kg		118	50 - 127
Carbon tetrachloride	2000	2230		ug/Kg		112	69 - 122
Chlorobenzene	2000	1880		ug/Kg		94	79 - 120
Chlorobromomethane	2000	1860		ug/Kg		93	67 - 126
Chlorodibromomethane	2000	1670		ug/Kg		83	70 - 132
Chloroethane	2000	1770		ug/Kg		89	22 - 150
Chloroform	2000	1990		ug/Kg		99	72 - 120
Chloromethane	2000	2070		ug/Kg		103	44 - 131
cis-1,2-Dichloroethene	2000	2110		ug/Kg		106	80 - 118
cis-1,3-Dichloropropene	2000	1980		ug/Kg		99	73 - 120
Cyclohexane	2000	2200		ug/Kg		110	64 - 130
1,2-Dibromo-3-Chloropropane	2000	2070		ug/Kg		104	35 - 136
1,2-Dibromoethane	2000	1470		ug/Kg		74	70 - 131
1,2-Dichlorobenzene	2000	1820		ug/Kg		91	71 - 124
1,3-Dichlorobenzene	2000	2100		ug/Kg		105	75 - 118
1,4-Dichlorobenzene	2000	1690		ug/Kg		84	77 - 116
Dichlorobromomethane	2000	1970		ug/Kg		99	70 - 125
Dichlorodifluoromethane	2000	2290		ug/Kg		114	25 - 150
1,1-Dichloroethane	2000	2130		ug/Kg		107	66 - 124
1,2-Dichloroethane	2000	1710		ug/Kg		85	61 - 127
1,1-Dichloroethene	2000	2120		ug/Kg		106	59 - 129
1,2-Dichloropropane	2000	1970		ug/Kg		99	72 - 122
1,4-Dioxane	40000	22000	J	ug/Kg		55	10 - 160
Ethylbenzene	2000	1970		ug/Kg		99	78 - 125
2-Hexanone	2000	1510		ug/Kg		75	32 - 150
Isopropylbenzene	2000	2110		ug/Kg		105	70 - 133
Methyl acetate	10000	8620		ug/Kg		86	27 - 142
Methylcyclohexane	2000	2270		ug/Kg		114	66 - 135
Methylene Chloride	2000	1940		ug/Kg		97	58 - 127
4-Methyl-2-pentanone (MIBK)	2000	1410		ug/Kg		70	44 - 148
Methyl tert-butyl ether	2000	1840		ug/Kg		92	48 - 132
m-Xylene & p-Xylene	2000	2100		ug/Kg		105	75 - 126
o-Xylene	2000	2050		ug/Kg		102	83 - 127
Styrene	2000	2080		ug/Kg		104	83 - 129

QC Sample Results

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

Lab Sample ID: LCS 180-115242/2-A
Matrix: Solid
Analysis Batch: 115214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115242

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	2000	1390		ug/Kg		69	60 - 139
Tetrachloroethene	2000	1890		ug/Kg		94	78 - 129
Toluene	2000	1970		ug/Kg		98	78 - 124
trans-1,2-Dichloroethene	2000	2090		ug/Kg		104	77 - 121
trans-1,3-Dichloropropene	2000	1700		ug/Kg		85	74 - 129
1,2,3-Trichlorobenzene	2000	1730		ug/Kg		86	37 - 144
1,2,4-Trichlorobenzene	2000	1740		ug/Kg		87	51 - 136
1,1,1-Trichloroethane	2000	2240		ug/Kg		112	67 - 126
1,1,2-Trichloroethane	2000	1550		ug/Kg		78	70 - 128
Trichloroethene	2000	2120		ug/Kg		106	76 - 119
Trichlorofluoromethane	2000	1880		ug/Kg		94	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	2000	2140		ug/Kg		107	55 - 130
Vinyl chloride	2000	2120		ug/Kg		106	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*63 - 120*
Dibromofluoromethane (Surr)	*94*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*76*		*52 - 124*
Toluene-d8 (Surr)	*91*		*72 - 127*

Lab Sample ID: LCSD 180-115242/3-A
Matrix: Solid
Analysis Batch: 115214

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115242

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	2000	1520		ug/Kg		76	20 - 150	2	40
Benzene	2000	2030		ug/Kg		102	77 - 120	2	20
Bromoform	2000	1520		ug/Kg		76	53 - 140	2	23
Bromomethane	2000	1790		ug/Kg		89	25 - 150	0	40
2-Butanone (MEK)	2000	1400		ug/Kg		70	35 - 149	2	36
Carbon disulfide	2000	2220		ug/Kg		111	50 - 127	7	23
Carbon tetrachloride	2000	2170		ug/Kg		108	69 - 122	3	22
Chlorobenzene	2000	1890		ug/Kg		95	79 - 120	1	20
Chlorobromomethane	2000	1920		ug/Kg		96	67 - 126	3	29
Chlorodibromomethane	2000	1710		ug/Kg		85	70 - 132	2	20
Chloroethane	2000	1500		ug/Kg		75	22 - 150	17	40
Chloroform	2000	2030		ug/Kg		101	72 - 120	2	25
Chloromethane	2000	1980		ug/Kg		99	44 - 131	4	27
cis-1,2-Dichloroethene	2000	2090		ug/Kg		105	80 - 118	1	20
cis-1,3-Dichloropropene	2000	1930		ug/Kg		97	73 - 120	2	20
Cyclohexane	2000	2120		ug/Kg		106	64 - 130	4	21
1,2-Dibromo-3-Chloropropane	2000	1910	*	ug/Kg		96	35 - 136	51	40
1,2-Dibromoethane	2000	1510		ug/Kg		75	70 - 131	2	20
1,2-Dichlorobenzene	2000	1750		ug/Kg		87	71 - 124	4	22
1,3-Dichlorobenzene	2000	2030		ug/Kg		101	75 - 118	4	20
1,4-Dichlorobenzene	2000	1780		ug/Kg		89	77 - 116	5	20
Dichlorobromomethane	2000	2010		ug/Kg		100	70 - 125	2	21

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

Lab Sample ID: LCSD 180-115242/3-A
Matrix: Solid
Analysis Batch: 115214

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115242

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	2000	2180		ug/Kg		109	25 - 150	5	34
1,1-Dichloroethane	2000	2100		ug/Kg		105	66 - 124	1	23
1,2-Dichloroethane	2000	1730		ug/Kg		86	61 - 127	1	23
1,1-Dichloroethene	2000	2030		ug/Kg		101	59 - 129	4	25
1,2-Dichloropropane	2000	1960		ug/Kg		98	72 - 122	1	20
1,4-Dioxane	40000	25200	J	ug/Kg		63	10 - 160	14	40
Ethylbenzene	2000	1970		ug/Kg		99	78 - 125	0	21
2-Hexanone	2000	1630		ug/Kg		81	32 - 150	8	32
Isopropylbenzene	2000	2050		ug/Kg		102	70 - 133	3	22
Methyl acetate	10000	8600		ug/Kg		86	27 - 142	0	40
Methylcyclohexane	2000	2210		ug/Kg		111	66 - 135	3	23
Methylene Chloride	2000	1880		ug/Kg		94	58 - 127	3	28
4-Methyl-2-pentanone (MIBK)	2000	1510		ug/Kg		75	44 - 148	7	30
Methyl tert-butyl ether	2000	1850		ug/Kg		93	48 - 132	1	36
m-Xylene & p-Xylene	2000	2140		ug/Kg		107	75 - 126	2	21
o-Xylene	2000	1980		ug/Kg		99	83 - 127	3	20
Styrene	2000	2040		ug/Kg		102	83 - 129	2	20
1,1,2,2-Tetrachloroethane	2000	1360		ug/Kg		68	60 - 139	2	24
Tetrachloroethene	2000	1780		ug/Kg		89	78 - 129	6	20
Toluene	2000	1840		ug/Kg		92	78 - 124	7	21
trans-1,2-Dichloroethene	2000	2110		ug/Kg		106	77 - 121	1	20
trans-1,3-Dichloropropene	2000	1690		ug/Kg		84	74 - 129	1	20
1,2,3-Trichlorobenzene	2000	1930		ug/Kg		97	37 - 144	11	40
1,2,4-Trichlorobenzene	2000	1790		ug/Kg		89	51 - 136	2	40
1,1,1-Trichloroethane	2000	2160		ug/Kg		108	67 - 126	4	31
1,1,2-Trichloroethane	2000	1540		ug/Kg		77	70 - 128	1	22
Trichloroethene	2000	2080		ug/Kg		104	76 - 119	2	21
Trichlorofluoromethane	2000	1750		ug/Kg		88	20 - 150	7	40
1,1,2-Trichloro-1,2,2-trifluoroethane	2000	2050		ug/Kg		103	55 - 130	4	37
Vinyl chloride	2000	2070		ug/Kg		103	63 - 124	3	27

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*
Dibromofluoromethane (Surr)	*98*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*76*		*52 - 124*
Toluene-d8 (Surr)	*88*		*72 - 127*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-115881/1-A
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115881

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	6.4	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Acenaphthylene	ND		67	7.6	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Acetophenone	ND		330	27	ug/Kg		08/25/14 03:00	08/25/14 10:54	1

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-115881/1-A
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115881

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		67	6.5	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Atrazine	ND		330	32	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Benzaldehyde	ND		330	50	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Benzo[a]anthracene	ND		67	8.4	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Benzo[a]pyrene	ND		67	6.7	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Benzo[b]fluoranthene	ND		67	10	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Benzo[g,h,i]perylene	ND		67	6.6	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Benzo[k]fluoranthene	ND		67	13	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
1,1'-Biphenyl	ND		330	30	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Bis(2-chloroethoxy)methane	ND		330	22	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Bis(2-chloroethyl)ether	ND		67	9.0	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Bis(2-ethylhexyl) phthalate	ND		670	54	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
4-Bromophenyl phenyl ether	ND		330	29	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Butyl benzyl phthalate	ND		330	46	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Caprolactam	ND		1700	250	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Carbazole	ND		67	6.1	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
4-Chloroaniline	ND		330	27	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
4-Chloro-3-methylphenol	ND		330	31	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2-Chloronaphthalene	ND		67	7.0	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2-Chlorophenol	ND		330	27	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
4-Chlorophenyl phenyl ether	ND		330	37	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Chrysene	ND		67	7.9	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Dibenz(a,h)anthracene	ND		67	7.4	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Dibenzofuran	ND		330	33	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
3,3'-Dichlorobenzidine	ND		330	35	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2,4-Dichlorophenol	ND		67	6.7	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Diethyl phthalate	ND		330	36	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2,4-Dimethylphenol	ND		330	52	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Dimethyl phthalate	ND		330	36	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Di-n-butyl phthalate	ND		330	42	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
4,6-Dinitro-2-methylphenol	ND		1700	130	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2,4-Dinitrophenol	ND		1700	400	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2,4-Dinitrotoluene	ND		330	27	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2,6-Dinitrotoluene	ND		330	34	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Di-n-octyl phthalate	ND		330	35	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
1,4-Dioxane	ND		670	38	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Fluoranthene	ND		67	7.1	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Fluorene	ND		67	8.8	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Hexachlorobenzene	ND		67	7.1	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Hexachlorobutadiene	ND		67	7.5	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Hexachlorocyclopentadiene	ND		330	36	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Hexachloroethane	ND		330	24	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Indeno[1,2,3-cd]pyrene	ND		67	6.9	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Isophorone	ND		330	25	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2-Methylnaphthalene	ND		67	6.0	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2-Methylphenol	ND		330	23	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Methylphenol, 3 & 4	ND		330	33	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Naphthalene	ND		67	5.7	ug/Kg		08/25/14 03:00	08/25/14 10:54	1

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-115881/1-A
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115881

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1700	150	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
3-Nitroaniline	ND		1700	140	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
4-Nitroaniline	ND		1700	140	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Nitrobenzene	ND		670	28	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2-Nitrophenol	ND		330	37	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
4-Nitrophenol	ND		1700	120	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
N-Nitrosodi-n-propylamine	ND		67	7.8	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
N-Nitrosodiphenylamine	ND		330	31	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2,2'-oxybis[1-chloropropane]	ND		67	7.2	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Pentachlorophenol	ND		330	30	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Phenanthrene	ND		67	11	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Phenol	ND		67	7.9	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
Pyrene	ND		67	6.7	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
1,2,4,5-Tetrachlorobenzene	ND		330	25	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2,3,4,6-Tetrachlorophenol	ND		330	21	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2,4,5-Trichlorophenol	ND		330	36	ug/Kg		08/25/14 03:00	08/25/14 10:54	1
2,4,6-Trichlorophenol	ND		330	50	ug/Kg		08/25/14 03:00	08/25/14 10:54	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/25/14 03:00*	*08/25/14 10:54*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*08/25/14 03:00*	*08/25/14 10:54*	*1*
2-Fluorophenol (Surr)	*71*		*39 - 103*	*08/25/14 03:00*	*08/25/14 10:54*	*1*
Nitrobenzene-d5 (Surr)	*71*		*25 - 104*	*08/25/14 03:00*	*08/25/14 10:54*	*1*
Phenol-d5 (Surr)	*70*		*25 - 105*	*08/25/14 03:00*	*08/25/14 10:54*	*1*
Terphenyl-d14 (Surr)	*72*		*25 - 127*	*08/25/14 03:00*	*08/25/14 10:54*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*35 - 124*	*08/25/14 03:00*	*08/25/14 10:54*	*1*

Lab Sample ID: LCS 180-115881/2-A
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115881

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	6670	4820		ug/Kg		72	47 - 104
Acenaphthylene	6670	4860		ug/Kg		73	49 - 114
Acetophenone	6670	4790		ug/Kg		72	30 - 150
Anthracene	6670	5020		ug/Kg		75	45 - 112
Atrazine	6670	4550		ug/Kg		68	30 - 150
Benzaldehyde	6670	7640		ug/Kg		115	30 - 150
Benzo[a]anthracene	6670	5160		ug/Kg		77	47 - 110
Benzo[a]pyrene	6670	5100		ug/Kg		77	47 - 112
Benzo[b]fluoranthene	6670	4930		ug/Kg		74	41 - 107
Benzo[g,h,i]perylene	6670	5430		ug/Kg		81	38 - 126
Benzo[k]fluoranthene	6670	4950		ug/Kg		74	44 - 115
1,1'-Biphenyl	6670	4610		ug/Kg		69	30 - 150
Bis(2-chloroethoxy)methane	6670	4530		ug/Kg		68	44 - 101

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-115881/2-A
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115881

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethyl)ether	6670	4370		ug/Kg		66	38 - 99
Bis(2-ethylhexyl) phthalate	6670	5860		ug/Kg		88	40 - 122
4-Bromophenyl phenyl ether	6670	4810		ug/Kg		72	47 - 110
Butyl benzyl phthalate	6670	5870		ug/Kg		88	41 - 118
Caprolactam	6670	5950		ug/Kg		89	30 - 150
Carbazole	6670	5090		ug/Kg		76	45 - 114
4-Chloroaniline	6670	4710		ug/Kg		71	25 - 108
4-Chloro-3-methylphenol	6670	5570		ug/Kg		84	47 - 109
2-Chloronaphthalene	6670	4280		ug/Kg		64	46 - 101
2-Chlorophenol	6670	4700		ug/Kg		70	40 - 101
4-Chlorophenyl phenyl ether	6670	5000		ug/Kg		75	47 - 109
Chrysene	6670	5220		ug/Kg		78	46 - 111
Dibenz(a,h)anthracene	6670	5470		ug/Kg		82	39 - 127
Dibenzofuran	6670	4800		ug/Kg		72	46 - 104
3,3'-Dichlorobenzidine	6670	6060		ug/Kg		91	19 - 122
2,4-Dichlorophenol	6670	5020		ug/Kg		75	47 - 105
Diethyl phthalate	6670	5080		ug/Kg		76	47 - 115
2,4-Dimethylphenol	6670	4940		ug/Kg		74	44 - 105
Dimethyl phthalate	6670	5060		ug/Kg		76	49 - 111
Di-n-butyl phthalate	6670	5350		ug/Kg		80	43 - 121
4,6-Dinitro-2-methylphenol	13300	10400		ug/Kg		78	24 - 134
2,4-Dinitrophenol	13300	10400		ug/Kg		78	10 - 146
2,4-Dinitrotoluene	6670	5780		ug/Kg		87	45 - 124
2,6-Dinitrotoluene	6670	5320		ug/Kg		80	50 - 122
Di-n-octyl phthalate	6670	5950		ug/Kg		89	33 - 129
1,4-Dioxane	6670	4410		ug/Kg		66	41 - 102
Fluoranthene	6670	5260		ug/Kg		79	40 - 120
Fluorene	6670	5210		ug/Kg		78	46 - 109
Hexachlorobenzene	6670	4840		ug/Kg		73	47 - 108
Hexachlorobutadiene	6670	4940		ug/Kg		74	43 - 107
Hexachlorocyclopentadiene	6670	4520		ug/Kg		68	23 - 129
Hexachloroethane	6670	4590		ug/Kg		69	37 - 97
Indeno[1,2,3-cd]pyrene	6670	5250		ug/Kg		79	41 - 125
Isophorone	6670	4910		ug/Kg		74	47 - 110
2-Methylnaphthalene	6670	4830		ug/Kg		72	45 - 100
2-Methylphenol	6670	4950		ug/Kg		74	40 - 104
Methylphenol, 3 & 4	6670	4820		ug/Kg		72	42 - 105
Naphthalene	6670	4640		ug/Kg		70	43 - 100
2-Nitroaniline	6670	5410		ug/Kg		81	45 - 117
3-Nitroaniline	6670	5450		ug/Kg		82	34 - 122
4-Nitroaniline	6670	5710		ug/Kg		86	38 - 123
Nitrobenzene	6670	4620		ug/Kg		69	43 - 104
2-Nitrophenol	6670	4940		ug/Kg		74	46 - 106
4-Nitrophenol	13300	12900		ug/Kg		97	36 - 127
N-Nitrosodi-n-propylamine	6670	4390		ug/Kg		66	42 - 107
N-Nitrosodiphenylamine	6670	5010		ug/Kg		75	44 - 111
2,2'-oxybis[1-chloropropane]	6670	3500		ug/Kg		52	36 - 101
Pentachlorophenol	13300	10700		ug/Kg		80	17 - 122

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-115881/2-A
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115881

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenanthrene	6670	5130		ug/Kg		77	43 - 108
Phenol	6670	4580		ug/Kg		69	41 - 102
Pyrene	6670	5210		ug/Kg		78	41 - 115
1,2,4,5-Tetrachlorobenzene	6670	4510		ug/Kg		68	30 - 125
2,3,4,6-Tetrachlorophenol	6670	5760		ug/Kg		86	38 - 113
2,4,5-Trichlorophenol	6670	5180		ug/Kg		78	48 - 108
2,4,6-Trichlorophenol	6670	5150		ug/Kg		77	50 - 106

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*68*		*35 - 105*
2-Fluorophenol (Surr)	*72*		*39 - 103*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*
Phenol-d5 (Surr)	*70*		*25 - 105*
Terphenyl-d14 (Surr)	*79*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*87*		*35 - 124*

Lab Sample ID: 180-35776-42 MS
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: SSHS-B99-SS
Prep Type: Total/NA
Prep Batch: 115881

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		8670	6390		ug/Kg	☼	74	47 - 104
Acenaphthylene	24	J	8670	6420		ug/Kg	☼	74	49 - 114
Acetophenone	ND		8670	6150		ug/Kg	☼	71	30 - 150
Anthracene	29	J	8670	6240		ug/Kg	☼	72	45 - 112
Atrazine	ND		8670	5610		ug/Kg	☼	65	30 - 150
Benzaldehyde	ND		8670	2110	F1	ug/Kg	☼	24	30 - 150
Benzo[a]anthracene	190		8670	6730		ug/Kg	☼	75	47 - 110
Benzo[a]pyrene	240		8670	6480		ug/Kg	☼	72	47 - 112
Benzo[b]fluoranthene	330		8670	6320		ug/Kg	☼	69	41 - 107
Benzo[g,h,i]perylene	240		8670	8020		ug/Kg	☼	90	38 - 126
Benzo[k]fluoranthene	130		8670	5770		ug/Kg	☼	65	44 - 115
1,1'-Biphenyl	ND		8670	6040		ug/Kg	☼	70	30 - 150
Bis(2-chloroethoxy)methane	ND		8670	6070		ug/Kg	☼	70	44 - 101
Bis(2-chloroethyl)ether	ND		8670	5700		ug/Kg	☼	66	38 - 99
Bis(2-ethylhexyl) phthalate	180	J	8670	7600		ug/Kg	☼	86	40 - 122
4-Bromophenyl phenyl ether	ND		8670	6140		ug/Kg	☼	71	47 - 110
Butyl benzyl phthalate	160	J	8670	7500		ug/Kg	☼	85	41 - 118
Caprolactam	ND		8670	6800		ug/Kg	☼	78	30 - 150
Carbazole	21	J	8670	6530		ug/Kg	☼	75	45 - 114
4-Chloroaniline	ND		8670	5800		ug/Kg	☼	67	25 - 108
4-Chloro-3-methylphenol	ND		8670	7270		ug/Kg	☼	84	47 - 109
2-Chloronaphthalene	ND		8670	5630		ug/Kg	☼	65	46 - 101
2-Chlorophenol	ND		8670	5980		ug/Kg	☼	69	40 - 101
4-Chlorophenyl phenyl ether	ND		8670	6500		ug/Kg	☼	75	47 - 109
Chrysene	270		8670	6920		ug/Kg	☼	77	46 - 111
Dibenz(a,h)anthracene	64	J	8670	7790		ug/Kg	☼	89	39 - 127
Dibenzofuran	ND		8670	6340		ug/Kg	☼	73	46 - 104

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35776-42 MS
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: SSHS-B99-SS
Prep Type: Total/NA
Prep Batch: 115881

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
3,3'-Dichlorobenzidine	ND		8670	4880		ug/Kg	☼	56	19 - 122
2,4-Dichlorophenol	ND		8670	6500		ug/Kg	☼	75	47 - 105
Diethyl phthalate	ND		8670	6970		ug/Kg	☼	80	47 - 115
2,4-Dimethylphenol	ND		8670	5360		ug/Kg	☼	62	44 - 105
Dimethyl phthalate	ND		8670	6910		ug/Kg	☼	80	49 - 111
Di-n-butyl phthalate	ND		8670	6790		ug/Kg	☼	78	43 - 121
4,6-Dinitro-2-methylphenol	ND		17300	12200		ug/Kg	☼	71	24 - 134
2,4-Dinitrophenol	ND		17300	9630		ug/Kg	☼	55	10 - 146
2,4-Dinitrotoluene	ND		8670	7780		ug/Kg	☼	90	45 - 124
2,6-Dinitrotoluene	ND		8670	7010		ug/Kg	☼	81	50 - 122
Di-n-octyl phthalate	ND		8670	6690		ug/Kg	☼	77	33 - 129
1,4-Dioxane	ND		8670	5440		ug/Kg	☼	63	41 - 102
Fluoranthene	440		8670	6870		ug/Kg	☼	74	40 - 120
Fluorene	ND		8670	6830		ug/Kg	☼	79	46 - 109
Hexachlorobenzene	ND		8670	6130		ug/Kg	☼	71	47 - 108
Hexachlorobutadiene	ND		8670	6310		ug/Kg	☼	73	43 - 107
Hexachlorocyclopentadiene	ND		8670	4920		ug/Kg	☼	57	23 - 129
Hexachloroethane	ND		8670	5790		ug/Kg	☼	67	37 - 97
Indeno[1,2,3-cd]pyrene	200		8670	7500		ug/Kg	☼	84	41 - 125
Isophorone	ND		8670	6240		ug/Kg	☼	72	47 - 110
2-Methylnaphthalene	ND		8670	6280		ug/Kg	☼	72	45 - 100
2-Methylphenol	ND		8670	6180		ug/Kg	☼	71	40 - 104
Methylphenol, 3 & 4	ND		8670	5920		ug/Kg	☼	68	42 - 105
Naphthalene	ND		8670	6000		ug/Kg	☼	69	43 - 100
2-Nitroaniline	ND		8670	7130		ug/Kg	☼	82	45 - 117
3-Nitroaniline	ND		8670	6860		ug/Kg	☼	79	34 - 122
4-Nitroaniline	ND		8670	6780		ug/Kg	☼	78	38 - 123
Nitrobenzene	ND		8670	5900		ug/Kg	☼	68	43 - 104
2-Nitrophenol	ND		8670	6390		ug/Kg	☼	74	46 - 106
4-Nitrophenol	ND		17300	16400		ug/Kg	☼	94	36 - 127
N-Nitrosodi-n-propylamine	ND		8670	5770		ug/Kg	☼	67	42 - 107
N-Nitrosodiphenylamine	ND		8670	6280		ug/Kg	☼	72	44 - 111
2,2'-oxybis[1-chloropropane]	ND		8670	4460		ug/Kg	☼	51	36 - 101
Pentachlorophenol	ND		17300	12500		ug/Kg	☼	72	17 - 122
Phenanthrene	150		8670	6570		ug/Kg	☼	74	43 - 108
Phenol	ND		8670	5900		ug/Kg	☼	68	41 - 102
Pyrene	340		8670	6690		ug/Kg	☼	73	41 - 115
1,2,4,5-Tetrachlorobenzene	ND		8670	5940		ug/Kg	☼	68	30 - 125
2,3,4,6-Tetrachlorophenol	ND		8670	7370		ug/Kg	☼	85	38 - 113
2,4,5-Trichlorophenol	ND		8670	6630		ug/Kg	☼	76	48 - 108
2,4,6-Trichlorophenol	ND		8670	6630		ug/Kg	☼	76	50 - 106

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*35 - 105*
2-Fluorophenol (Surr)	*70*		*39 - 103*
Nitrobenzene-d5 (Surr)	*70*		*25 - 104*
Phenol-d5 (Surr)	*71*		*25 - 105*
Terphenyl-d14 (Surr)	*74*		*25 - 127*

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35776-42 MS
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: SSHS-B99-SS
Prep Type: Total/NA
Prep Batch: 115881

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*84*		*35 - 124*

Lab Sample ID: 180-35776-42 MSD
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: SSHS-B99-SS
Prep Type: Total/NA
Prep Batch: 115881

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		8620	6660		ug/Kg	☼	77	47 - 104	4	40
Acenaphthylene	24	J	8620	6600		ug/Kg	☼	76	49 - 114	3	38
Acetophenone	ND		8620	6210		ug/Kg	☼	72	30 - 150	1	40
Anthracene	29	J	8620	6630		ug/Kg	☼	77	45 - 112	6	42
Atrazine	ND		8620	5930		ug/Kg	☼	69	30 - 150	6	40
Benzaldehyde	ND		8620	2110	F1	ug/Kg	☼	25	30 - 150	0	40
Benzo[a]anthracene	190		8620	6940		ug/Kg	☼	78	47 - 110	3	40
Benzo[a]pyrene	240		8620	6600		ug/Kg	☼	74	47 - 112	2	42
Benzo[b]fluoranthene	330		8620	6430		ug/Kg	☼	71	41 - 107	2	53
Benzo[g,h,i]perylene	240		8620	8400		ug/Kg	☼	95	38 - 126	5	43
Benzo[k]fluoranthene	130		8620	6120		ug/Kg	☼	70	44 - 115	6	44
1,1'-Biphenyl	ND		8620	6420		ug/Kg	☼	74	30 - 150	6	40
Bis(2-chloroethoxy)methane	ND		8620	6290		ug/Kg	☼	73	44 - 101	4	36
Bis(2-chloroethyl)ether	ND		8620	5860		ug/Kg	☼	68	38 - 99	3	43
Bis(2-ethylhexyl) phthalate	180	J	8620	7600		ug/Kg	☼	86	40 - 122	0	41
4-Bromophenyl phenyl ether	ND		8620	6540		ug/Kg	☼	76	47 - 110	6	46
Butyl benzyl phthalate	160	J	8620	7630		ug/Kg	☼	87	41 - 118	2	41
Caprolactam	ND		8620	6970		ug/Kg	☼	81	30 - 150	2	40
Carbazole	21	J	8620	7000		ug/Kg	☼	81	45 - 114	7	36
4-Chloroaniline	ND		8620	5930		ug/Kg	☼	69	25 - 108	2	36
4-Chloro-3-methylphenol	ND		8620	7400		ug/Kg	☼	86	47 - 109	2	36
2-Chloronaphthalene	ND		8620	5840		ug/Kg	☼	68	46 - 101	4	40
2-Chlorophenol	ND		8620	6060		ug/Kg	☼	70	40 - 101	1	42
4-Chlorophenyl phenyl ether	ND		8620	6740		ug/Kg	☼	78	47 - 109	4	39
Chrysene	270		8620	7220		ug/Kg	☼	81	46 - 111	4	39
Dibenz(a,h)anthracene	64	J	8620	8060		ug/Kg	☼	93	39 - 127	3	45
Dibenzofuran	ND		8620	6630		ug/Kg	☼	77	46 - 104	5	38
3,3'-Dichlorobenzidine	ND		8620	5240		ug/Kg	☼	61	19 - 122	7	40
2,4-Dichlorophenol	ND		8620	6790		ug/Kg	☼	79	47 - 105	4	35
Diethyl phthalate	ND		8620	7240		ug/Kg	☼	84	47 - 115	4	38
2,4-Dimethylphenol	ND		8620	5580		ug/Kg	☼	65	44 - 105	4	49
Dimethyl phthalate	ND		8620	7210		ug/Kg	☼	84	49 - 111	4	37
Di-n-butyl phthalate	ND		8620	7190		ug/Kg	☼	83	43 - 121	6	38
4,6-Dinitro-2-methylphenol	ND		17200	13100		ug/Kg	☼	76	24 - 134	7	87
2,4-Dinitrophenol	ND		17200	10200		ug/Kg	☼	59	10 - 146	5	83
2,4-Dinitrotoluene	ND		8620	8030		ug/Kg	☼	93	45 - 124	3	41
2,6-Dinitrotoluene	ND		8620	7380		ug/Kg	☼	86	50 - 122	5	40
Di-n-octyl phthalate	ND		8620	6860		ug/Kg	☼	80	33 - 129	2	41
1,4-Dioxane	ND		8620	5660		ug/Kg	☼	66	41 - 102	4	35
Fluoranthene	440		8620	7340		ug/Kg	☼	80	40 - 120	7	36
Fluorene	ND		8620	7130		ug/Kg	☼	83	46 - 109	4	40

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35776-42 MSD
Matrix: Solid
Analysis Batch: 115902

Client Sample ID: SSHS-B99-SS
Prep Type: Total/NA
Prep Batch: 115881

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobenzene	ND		8620	6490		ug/Kg	☼	75	47 - 108	6	43
Hexachlorobutadiene	ND		8620	6670		ug/Kg	☼	77	43 - 107	6	39
Hexachlorocyclopentadiene	ND		8620	5130		ug/Kg	☼	60	23 - 129	4	49
Hexachloroethane	ND		8620	5870		ug/Kg	☼	68	37 - 97	1	48
Indeno[1,2,3-cd]pyrene	200		8620	7800		ug/Kg	☼	88	41 - 125	4	47
Isophorone	ND		8620	6590		ug/Kg	☼	76	47 - 110	5	37
2-Methylnaphthalene	ND		8620	6550		ug/Kg	☼	76	45 - 100	4	40
2-Methylphenol	ND		8620	6230		ug/Kg	☼	72	40 - 104	1	41
Methylphenol, 3 & 4	ND		8620	6120		ug/Kg	☼	71	42 - 105	3	43
Naphthalene	ND		8620	6190		ug/Kg	☼	72	43 - 100	3	32
2-Nitroaniline	ND		8620	7590		ug/Kg	☼	88	45 - 117	6	42
3-Nitroaniline	ND		8620	7120		ug/Kg	☼	83	34 - 122	4	39
4-Nitroaniline	ND		8620	6990		ug/Kg	☼	81	38 - 123	3	40
Nitrobenzene	ND		8620	6170		ug/Kg	☼	72	43 - 104	4	33
2-Nitrophenol	ND		8620	6650		ug/Kg	☼	77	46 - 106	4	39
4-Nitrophenol	ND		17200	16700		ug/Kg	☼	97	36 - 127	2	43
N-Nitrosodi-n-propylamine	ND		8620	5810		ug/Kg	☼	67	42 - 107	1	43
N-Nitrosodiphenylamine	ND		8620	6610		ug/Kg	☼	77	44 - 111	5	40
2,2'-oxybis[1-chloropropane]	ND		8620	4460		ug/Kg	☼	52	36 - 101	0	41
Pentachlorophenol	ND		17200	13000		ug/Kg	☼	75	17 - 122	4	52
Phenanthrene	150		8620	6910		ug/Kg	☼	78	43 - 108	5	39
Phenol	ND		8620	5900		ug/Kg	☼	68	41 - 102	0	39
Pyrene	340		8620	6790		ug/Kg	☼	75	41 - 115	2	43
1,2,4,5-Tetrachlorobenzene	ND		8620	6220		ug/Kg	☼	72	30 - 125	5	25
2,3,4,6-Tetrachlorophenol	ND		8620	7540		ug/Kg	☼	88	38 - 113	2	83
2,4,5-Trichlorophenol	ND		8620	7000		ug/Kg	☼	81	48 - 108	5	44
2,4,6-Trichlorophenol	ND		8620	7160		ug/Kg	☼	83	50 - 106	8	42

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*35 - 105*
2-Fluorophenol (Surr)	*70*		*39 - 103*
Nitrobenzene-d5 (Surr)	*72*		*25 - 104*
Phenol-d5 (Surr)	*71*		*25 - 105*
Terphenyl-d14 (Surr)	*75*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*88*		*35 - 124*

Lab Sample ID: MB 180-115980/1-A
Matrix: Solid
Analysis Batch: 116054

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115980

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	6.4	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Acenaphthylene	ND		67	7.6	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Acetophenone	ND		330	27	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Anthracene	ND		67	6.5	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Atrazine	ND		330	32	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Benzaldehyde	ND		330	50	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Benzo[a]anthracene	ND		67	8.4	ug/Kg		08/25/14 17:20	08/26/14 11:48	1

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-115980/1-A
Matrix: Solid
Analysis Batch: 116054

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115980

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		67	6.7	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Benzo[b]fluoranthene	ND		67	10	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Benzo[g,h,i]perylene	ND		67	6.6	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Benzo[k]fluoranthene	ND		67	13	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
1,1'-Biphenyl	ND		330	30	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Bis(2-chloroethoxy)methane	ND		330	22	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Bis(2-chloroethyl)ether	ND		67	9.0	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Bis(2-ethylhexyl) phthalate	ND		670	54	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
4-Bromophenyl phenyl ether	ND		330	29	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Butyl benzyl phthalate	ND		330	46	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Caprolactam	ND		1700	250	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Carbazole	ND		67	6.1	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
4-Chloroaniline	ND		330	27	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
4-Chloro-3-methylphenol	ND		330	31	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
2-Chloronaphthalene	ND		67	7.0	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
2-Chlorophenol	ND		330	27	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
4-Chlorophenyl phenyl ether	ND		330	37	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Chrysene	ND		67	7.9	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Dibenz(a,h)anthracene	ND		67	7.4	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Dibenzofuran	ND		330	33	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
3,3'-Dichlorobenzidine	ND		330	35	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
2,4-Dichlorophenol	ND		67	6.7	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Diethyl phthalate	ND		330	36	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
2,4-Dimethylphenol	ND		330	52	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Dimethyl phthalate	ND		330	36	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Di-n-butyl phthalate	ND		330	42	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
4,6-Dinitro-2-methylphenol	ND		1700	130	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
2,4-Dinitrophenol	ND		1700	400	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
2,4-Dinitrotoluene	ND		330	27	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
2,6-Dinitrotoluene	ND		330	34	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Di-n-octyl phthalate	ND		330	35	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
1,4-Dioxane	ND		670	38	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Fluoranthene	ND		67	7.1	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Fluorene	ND		67	8.8	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Hexachlorobenzene	ND		67	7.1	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Hexachlorobutadiene	ND		67	7.5	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Hexachlorocyclopentadiene	ND		330	36	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Hexachloroethane	ND		330	24	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Indeno[1,2,3-cd]pyrene	ND		67	6.9	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Isophorone	ND		330	25	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
2-Methylnaphthalene	ND		67	6.0	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
2-Methylphenol	ND		330	23	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Methylphenol, 3 & 4	ND		330	33	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Naphthalene	ND		67	5.7	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
2-Nitroaniline	ND		1700	150	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
3-Nitroaniline	ND		1700	140	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
4-Nitroaniline	ND		1700	140	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Nitrobenzene	ND		670	28	ug/Kg		08/25/14 17:20	08/26/14 11:48	1

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-115980/1-A
Matrix: Solid
Analysis Batch: 116054

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115980

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		330	37	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
4-Nitrophenol	ND		1700	120	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
N-Nitrosodi-n-propylamine	ND		67	7.8	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
N-Nitrosodiphenylamine	ND		330	31	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
2,2'-oxybis[1-chloropropane]	ND		67	7.2	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Pentachlorophenol	ND		330	30	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Phenanthrene	ND		67	11	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Phenol	ND		67	7.9	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
Pyrene	ND		67	6.7	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
1,2,4,5-Tetrachlorobenzene	ND		330	25	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
2,3,4,6-Tetrachlorophenol	ND		330	21	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
2,4,5-Trichlorophenol	ND		330	36	ug/Kg		08/25/14 17:20	08/26/14 11:48	1
2,4,6-Trichlorophenol	ND		330	50	ug/Kg		08/25/14 17:20	08/26/14 11:48	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/25/14 17:20*	*08/26/14 11:48*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*08/25/14 17:20*	*08/26/14 11:48*	*1*
2-Fluorophenol (Surr)	*68*		*39 - 103*	*08/25/14 17:20*	*08/26/14 11:48*	*1*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/25/14 17:20*	*08/26/14 11:48*	*1*
Phenol-d5 (Surr)	*69*		*25 - 105*	*08/25/14 17:20*	*08/26/14 11:48*	*1*
Terphenyl-d14 (Surr)	*74*		*25 - 127*	*08/25/14 17:20*	*08/26/14 11:48*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*35 - 124*	*08/25/14 17:20*	*08/26/14 11:48*	*1*

Lab Sample ID: LCS 180-115980/2-A
Matrix: Solid
Analysis Batch: 116054

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115980

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	6670	4120		ug/Kg		62	47 - 104
Acenaphthylene	6670	4220		ug/Kg		63	49 - 114
Acetophenone	6670	4260		ug/Kg		64	30 - 150
Anthracene	6670	4170		ug/Kg		63	45 - 112
Atrazine	6670	3640		ug/Kg		55	30 - 150
Benzaldehyde	6670	4120		ug/Kg		62	30 - 150
Benzo[a]anthracene	6670	4370		ug/Kg		66	47 - 110
Benzo[a]pyrene	6670	4310		ug/Kg		65	47 - 112
Benzo[b]fluoranthene	6670	4300		ug/Kg		65	41 - 107
Benzo[g,h,i]perylene	6670	4410		ug/Kg		66	38 - 126
Benzo[k]fluoranthene	6670	4240		ug/Kg		64	44 - 115
1,1'-Biphenyl	6670	4000		ug/Kg		60	30 - 150
Bis(2-chloroethoxy)methane	6670	4020		ug/Kg		60	44 - 101
Bis(2-chloroethyl)ether	6670	4060		ug/Kg		61	38 - 99
Bis(2-ethylhexyl) phthalate	6670	5100		ug/Kg		76	40 - 122
4-Bromophenyl phenyl ether	6670	4130		ug/Kg		62	47 - 110
Butyl benzyl phthalate	6670	5160		ug/Kg		77	41 - 118

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-115980/2-A
Matrix: Solid
Analysis Batch: 116054

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115980

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Caprolactam	6670	5110		ug/Kg		77	30 - 150
Carbazole	6670	4200		ug/Kg		63	45 - 114
4-Chloroaniline	6670	4140		ug/Kg		62	25 - 108
4-Chloro-3-methylphenol	6670	4940		ug/Kg		74	47 - 109
2-Chloronaphthalene	6670	3720		ug/Kg		56	46 - 101
2-Chlorophenol	6670	4220		ug/Kg		63	40 - 101
4-Chlorophenyl phenyl ether	6670	4270		ug/Kg		64	47 - 109
Chrysene	6670	4490		ug/Kg		67	46 - 111
Dibenz(a,h)anthracene	6670	4570		ug/Kg		68	39 - 127
Dibenzofuran	6670	4220		ug/Kg		63	46 - 104
3,3'-Dichlorobenzidine	6670	4210		ug/Kg		63	19 - 122
2,4-Dichlorophenol	6670	4530		ug/Kg		68	47 - 105
Diethyl phthalate	6670	4410		ug/Kg		66	47 - 115
2,4-Dimethylphenol	6670	4420		ug/Kg		66	44 - 105
Dimethyl phthalate	6670	4390		ug/Kg		66	49 - 111
Di-n-butyl phthalate	6670	4460		ug/Kg		67	43 - 121
4,6-Dinitro-2-methylphenol	13300	8470		ug/Kg		64	24 - 134
2,4-Dinitrophenol	13300	8800		ug/Kg		66	10 - 146
2,4-Dinitrotoluene	6670	5060		ug/Kg		76	45 - 124
2,6-Dinitrotoluene	6670	4570		ug/Kg		69	50 - 122
Di-n-octyl phthalate	6670	5260		ug/Kg		79	33 - 129
1,4-Dioxane	6670	3970		ug/Kg		60	41 - 102
Fluoranthene	6670	4330		ug/Kg		65	40 - 120
Fluorene	6670	4450		ug/Kg		67	46 - 109
Hexachlorobenzene	6670	3990		ug/Kg		60	47 - 108
Hexachlorobutadiene	6670	4460		ug/Kg		67	43 - 107
Hexachlorocyclopentadiene	6670	3930		ug/Kg		59	23 - 129
Hexachloroethane	6670	4200		ug/Kg		63	37 - 97
Indeno[1,2,3-cd]pyrene	6670	4380		ug/Kg		66	41 - 125
Isophorone	6670	4310		ug/Kg		65	47 - 110
2-Methylnaphthalene	6670	4380		ug/Kg		66	45 - 100
2-Methylphenol	6670	4420		ug/Kg		66	40 - 104
Methylphenol, 3 & 4	6670	4370		ug/Kg		65	42 - 105
Naphthalene	6670	4170		ug/Kg		63	43 - 100
2-Nitroaniline	6670	4520		ug/Kg		68	45 - 117
3-Nitroaniline	6670	4540		ug/Kg		68	34 - 122
4-Nitroaniline	6670	4370		ug/Kg		66	38 - 123
Nitrobenzene	6670	4160		ug/Kg		62	43 - 104
2-Nitrophenol	6670	4370		ug/Kg		65	46 - 106
4-Nitrophenol	13300	10400		ug/Kg		78	36 - 127
N-Nitrosodi-n-propylamine	6670	3940		ug/Kg		59	42 - 107
N-Nitrosodiphenylamine	6670	4090		ug/Kg		61	44 - 111
2,2'-oxybis[1-chloropropane]	6670	3200		ug/Kg		48	36 - 101
Pentachlorophenol	13300	8520		ug/Kg		64	17 - 122
Phenanthrene	6670	4150		ug/Kg		62	43 - 108
Phenol	6670	4140		ug/Kg		62	41 - 102
Pyrene	6670	4670		ug/Kg		70	41 - 115
1,2,4,5-Tetrachlorobenzene	6670	3920		ug/Kg		59	30 - 125

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-115980/2-A
Matrix: Solid
Analysis Batch: 116054

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115980

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,4,6-Tetrachlorophenol	6670	4870		ug/Kg		73	38 - 113
2,4,5-Trichlorophenol	6670	4490		ug/Kg		67	48 - 108
2,4,6-Trichlorophenol	6670	4430		ug/Kg		66	50 - 106

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*35 - 105*
2-Fluorophenol (Surr)	*66*		*39 - 103*
Nitrobenzene-d5 (Surr)	*62*		*25 - 104*
Phenol-d5 (Surr)	*64*		*25 - 105*
Terphenyl-d14 (Surr)	*70*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*70*		*35 - 124*

Lab Sample ID: 180-35776-54 MS
Matrix: Solid
Analysis Batch: 116054

Client Sample ID: SSHS-B97-2-6 (5)
Prep Type: Total/NA
Prep Batch: 115980

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		7400	5210		ug/Kg	☼	70	47 - 104
Acenaphthylene	ND		7400	5100		ug/Kg	☼	69	49 - 114
Acetophenone	ND		7400	5110		ug/Kg	☼	69	30 - 150
Anthracene	ND		7400	5300		ug/Kg	☼	72	45 - 112
Atrazine	ND		7400	4770		ug/Kg	☼	65	30 - 150
Benzaldehyde	ND		7400	1220	F1	ug/Kg	☼	16	30 - 150
Benzo[a]anthracene	15	J	7400	5650		ug/Kg	☼	76	47 - 110
Benzo[a]pyrene	ND		7400	5630		ug/Kg	☼	76	47 - 112
Benzo[b]fluoranthene	ND		7400	5550		ug/Kg	☼	75	41 - 107
Benzo[g,h,i]perylene	ND		7400	5910		ug/Kg	☼	80	38 - 126
Benzo[k]fluoranthene	ND		7400	5230		ug/Kg	☼	71	44 - 115
1,1'-Biphenyl	ND		7400	4950		ug/Kg	☼	67	30 - 150
Bis(2-chloroethoxy)methane	ND		7400	5140		ug/Kg	☼	69	44 - 101
Bis(2-chloroethyl)ether	ND		7400	4850		ug/Kg	☼	66	38 - 99
Bis(2-ethylhexyl) phthalate	ND		7400	6310		ug/Kg	☼	85	40 - 122
4-Bromophenyl phenyl ether	ND		7400	5260		ug/Kg	☼	71	47 - 110
Butyl benzyl phthalate	ND		7400	6390		ug/Kg	☼	86	41 - 118
Caprolactam	ND		7400	4420		ug/Kg	☼	60	30 - 150
Carbazole	ND		7400	5380		ug/Kg	☼	73	45 - 114
4-Chloroaniline	ND		7400	4830		ug/Kg	☼	65	25 - 108
4-Chloro-3-methylphenol	ND		7400	5960		ug/Kg	☼	81	47 - 109
2-Chloronaphthalene	ND		7400	4540		ug/Kg	☼	61	46 - 101
2-Chlorophenol	ND		7400	4910		ug/Kg	☼	66	40 - 101
4-Chlorophenyl phenyl ether	ND		7400	5200		ug/Kg	☼	70	47 - 109
Chrysene	11	J	7400	5600		ug/Kg	☼	75	46 - 111
Dibenz(a,h)anthracene	ND		7400	6020		ug/Kg	☼	81	39 - 127
Dibenzofuran	ND		7400	5020		ug/Kg	☼	68	46 - 104
3,3'-Dichlorobenzidine	ND		7400	5040		ug/Kg	☼	68	19 - 122
2,4-Dichlorophenol	ND		7400	5320		ug/Kg	☼	72	47 - 105
Diethyl phthalate	ND		7400	5300		ug/Kg	☼	72	47 - 115
2,4-Dimethylphenol	ND		7400	4600		ug/Kg	☼	62	44 - 105

QC Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35776-2

Project/Site: Former Sperry Remington Site - North

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35776-54 MS **Client Sample ID: SSHS-B97-2-6 (5)**

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

Analysis Batch: 116054 **Prep Batch: 115980**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dimethyl phthalate	ND		7400	5360		ug/Kg	☼	72	49 - 111
Di-n-butyl phthalate	ND		7400	5740		ug/Kg	☼	78	43 - 121
4,6-Dinitro-2-methylphenol	ND		14800	8450		ug/Kg	☼	57	24 - 134
2,4-Dinitrophenol	ND		14800	4770		ug/Kg	☼	32	10 - 146
2,4-Dinitrotoluene	ND		7400	6150		ug/Kg	☼	83	45 - 124
2,6-Dinitrotoluene	ND		7400	5450		ug/Kg	☼	74	50 - 122
Di-n-octyl phthalate	ND		7400	6670		ug/Kg	☼	90	33 - 129
1,4-Dioxane	ND		7400	4550		ug/Kg	☼	62	41 - 102
Fluoranthene	17	J	7400	5340		ug/Kg	☼	72	40 - 120
Fluorene	ND		7400	5340		ug/Kg	☼	72	46 - 109
Hexachlorobenzene	ND		7400	5230		ug/Kg	☼	71	47 - 108
Hexachlorobutadiene	ND		7400	5480		ug/Kg	☼	74	43 - 107
Hexachlorocyclopentadiene	ND		7400	4360		ug/Kg	☼	59	23 - 129
Hexachloroethane	ND		7400	4950		ug/Kg	☼	67	37 - 97
Indeno[1,2,3-cd]pyrene	ND		7400	5760		ug/Kg	☼	78	41 - 125
Isophorone	ND		7400	5210		ug/Kg	☼	70	47 - 110
2-Methylnaphthalene	7.9	J	7400	5300		ug/Kg	☼	71	45 - 100
2-Methylphenol	ND		7400	5120		ug/Kg	☼	69	40 - 104
Methylphenol, 3 & 4	ND		7400	4980		ug/Kg	☼	67	42 - 105
Naphthalene	14	J	7400	5030		ug/Kg	☼	68	43 - 100
2-Nitroaniline	ND		7400	5580		ug/Kg	☼	75	45 - 117
3-Nitroaniline	ND		7400	5380		ug/Kg	☼	73	34 - 122
4-Nitroaniline	ND		7400	5100		ug/Kg	☼	69	38 - 123
Nitrobenzene	ND		7400	4990		ug/Kg	☼	67	43 - 104
2-Nitrophenol	ND		7400	5290		ug/Kg	☼	72	46 - 106
4-Nitrophenol	ND		14800	11500		ug/Kg	☼	78	36 - 127
N-Nitrosodi-n-propylamine	ND		7400	4580		ug/Kg	☼	62	42 - 107
N-Nitrosodiphenylamine	ND		7400	5190		ug/Kg	☼	70	44 - 111
2,2'-oxybis[1-chloropropane]	ND		7400	3700		ug/Kg	☼	50	36 - 101
Pentachlorophenol	ND		14800	8890		ug/Kg	☼	60	17 - 122
Phenanthrene	14	J	7400	5460		ug/Kg	☼	74	43 - 108
Phenol	ND		7400	4880		ug/Kg	☼	66	41 - 102
Pyrene	16	J	7400	5690		ug/Kg	☼	77	41 - 115
1,2,4,5-Tetrachlorobenzene	ND		7400	4820		ug/Kg	☼	65	30 - 125
2,3,4,6-Tetrachlorophenol	ND		7400	5500		ug/Kg	☼	74	38 - 113
2,4,5-Trichlorophenol	ND		7400	5140		ug/Kg	☼	69	48 - 108
2,4,6-Trichlorophenol	ND		7400	5320		ug/Kg	☼	72	50 - 106

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*35 - 105*
2-Fluorophenol (Surr)	*67*		*39 - 103*
Nitrobenzene-d5 (Surr)	*70*		*25 - 104*
Phenol-d5 (Surr)	*70*		*25 - 105*
Terphenyl-d14 (Surr)	*68*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*79*		*35 - 124*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35776-54 MSD
Matrix: Solid
Analysis Batch: 116054

Client Sample ID: SSHS-B97-2-6 (5)
Prep Type: Total/NA
Prep Batch: 115980

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		7400	5330		ug/Kg	☼	72	47 - 104	2	40
Acenaphthylene	ND		7400	5340		ug/Kg	☼	72	49 - 114	5	38
Acetophenone	ND		7400	5190		ug/Kg	☼	70	30 - 150	2	40
Anthracene	ND		7400	5200		ug/Kg	☼	70	45 - 112	2	42
Atrazine	ND		7400	4690		ug/Kg	☼	63	30 - 150	2	40
Benzaldehyde	ND		7400	1280	F1	ug/Kg	☼	17	30 - 150	5	40
Benzo[a]anthracene	15	J	7400	5740		ug/Kg	☼	77	47 - 110	1	40
Benzo[a]pyrene	ND		7400	5560		ug/Kg	☼	75	47 - 112	1	42
Benzo[b]fluoranthene	ND		7400	5580		ug/Kg	☼	75	41 - 107	1	53
Benzo[g,h,i]perylene	ND		7400	5790		ug/Kg	☼	78	38 - 126	2	43
Benzo[k]fluoranthene	ND		7400	5130		ug/Kg	☼	69	44 - 115	2	44
1,1'-Biphenyl	ND		7400	5140		ug/Kg	☼	70	30 - 150	4	40
Bis(2-chloroethoxy)methane	ND		7400	5070		ug/Kg	☼	69	44 - 101	1	36
Bis(2-chloroethyl)ether	ND		7400	4940		ug/Kg	☼	67	38 - 99	2	43
Bis(2-ethylhexyl) phthalate	ND		7400	6320		ug/Kg	☼	85	40 - 122	0	41
4-Bromophenyl phenyl ether	ND		7400	5300		ug/Kg	☼	72	47 - 110	1	46
Butyl benzyl phthalate	ND		7400	6400		ug/Kg	☼	87	41 - 118	0	41
Caprolactam	ND		7400	4570		ug/Kg	☼	62	30 - 150	3	40
Carbazole	ND		7400	5310		ug/Kg	☼	72	45 - 114	1	36
4-Chloroaniline	ND		7400	4850		ug/Kg	☼	66	25 - 108	0	36
4-Chloro-3-methylphenol	ND		7400	5940		ug/Kg	☼	80	47 - 109	0	36
2-Chloronaphthalene	ND		7400	4750		ug/Kg	☼	64	46 - 101	4	40
2-Chlorophenol	ND		7400	5140		ug/Kg	☼	70	40 - 101	5	42
4-Chlorophenyl phenyl ether	ND		7400	5370		ug/Kg	☼	73	47 - 109	3	39
Chrysene	11	J	7400	5720		ug/Kg	☼	77	46 - 111	2	39
Dibenz(a,h)anthracene	ND		7400	5940		ug/Kg	☼	80	39 - 127	1	45
Dibenzofuran	ND		7400	5200		ug/Kg	☼	70	46 - 104	3	38
3,3'-Dichlorobenzidine	ND		7400	5060		ug/Kg	☼	68	19 - 122	0	40
2,4-Dichlorophenol	ND		7400	5380		ug/Kg	☼	73	47 - 105	1	35
Diethyl phthalate	ND		7400	5430		ug/Kg	☼	73	47 - 115	2	38
2,4-Dimethylphenol	ND		7400	4710		ug/Kg	☼	64	44 - 105	2	49
Dimethyl phthalate	ND		7400	5580		ug/Kg	☼	75	49 - 111	4	37
Di-n-butyl phthalate	ND		7400	5590		ug/Kg	☼	76	43 - 121	3	38
4,6-Dinitro-2-methylphenol	ND		14800	8460		ug/Kg	☼	57	24 - 134	0	87
2,4-Dinitrophenol	ND		14800	4900		ug/Kg	☼	33	10 - 146	3	83
2,4-Dinitrotoluene	ND		7400	6270		ug/Kg	☼	85	45 - 124	2	41
2,6-Dinitrotoluene	ND		7400	5740		ug/Kg	☼	78	50 - 122	5	40
Di-n-octyl phthalate	ND		7400	6620		ug/Kg	☼	89	33 - 129	1	41
1,4-Dioxane	ND		7400	4540		ug/Kg	☼	61	41 - 102	0	35
Fluoranthene	17	J	7400	5320		ug/Kg	☼	72	40 - 120	0	36
Fluorene	ND		7400	5500		ug/Kg	☼	74	46 - 109	3	40
Hexachlorobenzene	ND		7400	5160		ug/Kg	☼	70	47 - 108	1	43
Hexachlorobutadiene	ND		7400	5550		ug/Kg	☼	75	43 - 107	1	39
Hexachlorocyclopentadiene	ND		7400	4600		ug/Kg	☼	62	23 - 129	5	49
Hexachloroethane	ND		7400	5040		ug/Kg	☼	68	37 - 97	2	48
Indeno[1,2,3-cd]pyrene	ND		7400	5650		ug/Kg	☼	76	41 - 125	2	47
Isophorone	ND		7400	5230		ug/Kg	☼	71	47 - 110	0	37
2-Methylnaphthalene	7.9	J	7400	5350		ug/Kg	☼	72	45 - 100	1	40

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35776-54 MSD
Matrix: Solid
Analysis Batch: 116054

Client Sample ID: SSHS-B97-2-6 (5)
Prep Type: Total/NA
Prep Batch: 115980

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylphenol	ND		7400	5400		ug/Kg	☼	73	40 - 104	5	41
Methylphenol, 3 & 4	ND		7400	5200		ug/Kg	☼	70	42 - 105	4	43
Naphthalene	14	J	7400	5050		ug/Kg	☼	68	43 - 100	1	32
2-Nitroaniline	ND		7400	5750		ug/Kg	☼	78	45 - 117	3	42
3-Nitroaniline	ND		7400	5470		ug/Kg	☼	74	34 - 122	2	39
4-Nitroaniline	ND		7400	5040		ug/Kg	☼	68	38 - 123	1	40
Nitrobenzene	ND		7400	5110		ug/Kg	☼	69	43 - 104	2	33
2-Nitrophenol	ND		7400	5280		ug/Kg	☼	71	46 - 106	0	39
4-Nitrophenol	ND		14800	12200		ug/Kg	☼	83	36 - 127	6	43
N-Nitrosodi-n-propylamine	ND		7400	4810		ug/Kg	☼	65	42 - 107	5	43
N-Nitrosodiphenylamine	ND		7400	5260		ug/Kg	☼	71	44 - 111	1	40
2,2'-oxybis[1-chloropropane]	ND		7400	3790		ug/Kg	☼	51	36 - 101	2	41
Pentachlorophenol	ND		14800	8700		ug/Kg	☼	59	17 - 122	2	52
Phenanthrene	14	J	7400	5410		ug/Kg	☼	73	43 - 108	1	39
Phenol	ND		7400	5060		ug/Kg	☼	68	41 - 102	4	39
Pyrene	16	J	7400	5740		ug/Kg	☼	77	41 - 115	1	43
1,2,4,5-Tetrachlorobenzene	ND		7400	4980		ug/Kg	☼	67	30 - 125	3	25
2,3,4,6-Tetrachlorophenol	ND		7400	5600		ug/Kg	☼	76	38 - 113	2	83
2,4,5-Trichlorophenol	ND		7400	5370		ug/Kg	☼	73	48 - 108	5	44
2,4,6-Trichlorophenol	ND		7400	5430		ug/Kg	☼	73	50 - 106	2	42

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*35 - 105*
2-Fluorophenol (Surr)	*67*		*39 - 103*
Nitrobenzene-d5 (Surr)	*69*		*25 - 104*
Phenol-d5 (Surr)	*71*		*25 - 105*
Terphenyl-d14 (Surr)	*68*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*76*		*35 - 124*

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

Lab Sample ID: MB 180-114822/1-A
Matrix: Water
Analysis Batch: 115189

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.029	ug/L		08/15/14 08:12	08/19/14 11:42	1
Acenaphthylene	ND		0.20	0.022	ug/L		08/15/14 08:12	08/19/14 11:42	1
Acetophenone	ND		2.0	0.11	ug/L		08/15/14 08:12	08/19/14 11:42	1
Anthracene	ND		0.20	0.019	ug/L		08/15/14 08:12	08/19/14 11:42	1
Atrazine	ND		2.0	0.22	ug/L		08/15/14 08:12	08/19/14 11:42	1
Benzaldehyde	ND		2.0	0.11	ug/L		08/15/14 08:12	08/19/14 11:42	1
Benzo[a]anthracene	ND		0.20	0.037	ug/L		08/15/14 08:12	08/19/14 11:42	1
Benzo[a]pyrene	ND		0.20	0.028	ug/L		08/15/14 08:12	08/19/14 11:42	1
Benzo[b]fluoranthene	ND		0.20	0.049	ug/L		08/15/14 08:12	08/19/14 11:42	1
Benzo[g,h,i]perylene	ND		0.20	0.029	ug/L		08/15/14 08:12	08/19/14 11:42	1
Benzo[k]fluoranthene	ND		0.20	0.030	ug/L		08/15/14 08:12	08/19/14 11:42	1
1,1'-Biphenyl	ND		1.0	0.11	ug/L		08/15/14 08:12	08/19/14 11:42	1

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

Lab Sample ID: MB 180-114822/1-A
Matrix: Water
Analysis Batch: 115189

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		1.0	0.13	ug/L		08/15/14 08:12	08/19/14 11:42	1
Bis(2-chloroethyl)ether	ND		1.0	0.032	ug/L		08/15/14 08:12	08/19/14 11:42	1
Bis(2-ethylhexyl) phthalate	ND		2.0	0.44	ug/L		08/15/14 08:12	08/19/14 11:42	1
4-Bromophenyl phenyl ether	ND		1.0	0.12	ug/L		08/15/14 08:12	08/19/14 11:42	1
Butyl benzyl phthalate	ND		1.0	0.21	ug/L		08/15/14 08:12	08/19/14 11:42	1
Caprolactam	ND		5.0	1.5	ug/L		08/15/14 08:12	08/19/14 11:42	1
Carbazole	ND		1.0	0.027	ug/L		08/15/14 08:12	08/19/14 11:42	1
4-Chloroaniline	ND		1.0	0.29	ug/L		08/15/14 08:12	08/19/14 11:42	1
4-Chloro-3-methylphenol	ND		1.0	0.17	ug/L		08/15/14 08:12	08/19/14 11:42	1
2-Chloronaphthalene	ND		0.20	0.031	ug/L		08/15/14 08:12	08/19/14 11:42	1
2-Chlorophenol	ND		1.0	0.23	ug/L		08/15/14 08:12	08/19/14 11:42	1
4-Chlorophenyl phenyl ether	ND		1.0	0.080	ug/L		08/15/14 08:12	08/19/14 11:42	1
Chrysene	ND		0.20	0.031	ug/L		08/15/14 08:12	08/19/14 11:42	1
Dibenz(a,h)anthracene	ND		0.20	0.027	ug/L		08/15/14 08:12	08/19/14 11:42	1
Dibenzofuran	ND		1.0	0.097	ug/L		08/15/14 08:12	08/19/14 11:42	1
3,3'-Dichlorobenzidine	ND		1.0	0.15	ug/L		08/15/14 08:12	08/19/14 11:42	1
2,4-Dichlorophenol	ND		1.0	0.067	ug/L		08/15/14 08:12	08/19/14 11:42	1
Diethyl phthalate	ND		1.0	0.30	ug/L		08/15/14 08:12	08/19/14 11:42	1
2,4-Dimethylphenol	ND		1.0	0.17	ug/L		08/15/14 08:12	08/19/14 11:42	1
Dimethyl phthalate	ND		1.0	0.18	ug/L		08/15/14 08:12	08/19/14 11:42	1
Di-n-butyl phthalate	ND		1.0	0.24	ug/L		08/15/14 08:12	08/19/14 11:42	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.6	ug/L		08/15/14 08:12	08/19/14 11:42	1
2,4-Dinitrophenol	ND		5.0	2.5	ug/L		08/15/14 08:12	08/19/14 11:42	1
2,4-Dinitrotoluene	ND		1.0	0.21	ug/L		08/15/14 08:12	08/19/14 11:42	1
2,6-Dinitrotoluene	ND		1.0	0.14	ug/L		08/15/14 08:12	08/19/14 11:42	1
Di-n-octyl phthalate	ND		1.0	0.20	ug/L		08/15/14 08:12	08/19/14 11:42	1
1,4-Dioxane	ND		2.0	0.052	ug/L		08/15/14 08:12	08/19/14 11:42	1
Fluoranthene	ND		0.20	0.021	ug/L		08/15/14 08:12	08/19/14 11:42	1
Fluorene	ND		0.20	0.024	ug/L		08/15/14 08:12	08/19/14 11:42	1
Hexachlorobenzene	ND		1.0	0.061	ug/L		08/15/14 08:12	08/19/14 11:42	1
Hexachlorobutadiene	ND		1.0	0.094	ug/L		08/15/14 08:12	08/19/14 11:42	1
Hexachlorocyclopentadiene	ND		1.0	0.14	ug/L		08/15/14 08:12	08/19/14 11:42	1
Hexachloroethane	ND		1.0	0.14	ug/L		08/15/14 08:12	08/19/14 11:42	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		08/15/14 08:12	08/19/14 11:42	1
Isophorone	ND		1.0	0.074	ug/L		08/15/14 08:12	08/19/14 11:42	1
2-Methylnaphthalene	ND		0.20	0.019	ug/L		08/15/14 08:12	08/19/14 11:42	1
2-Methylphenol	ND		1.0	0.19	ug/L		08/15/14 08:12	08/19/14 11:42	1
Methylphenol, 3 & 4	ND		1.0	0.21	ug/L		08/15/14 08:12	08/19/14 11:42	1
Naphthalene	ND		0.20	0.023	ug/L		08/15/14 08:12	08/19/14 11:42	1
2-Nitroaniline	ND		5.0	0.67	ug/L		08/15/14 08:12	08/19/14 11:42	1
3-Nitroaniline	ND		5.0	0.81	ug/L		08/15/14 08:12	08/19/14 11:42	1
4-Nitroaniline	ND		5.0	0.77	ug/L		08/15/14 08:12	08/19/14 11:42	1
Nitrobenzene	ND		2.0	0.15	ug/L		08/15/14 08:12	08/19/14 11:42	1
2-Nitrophenol	ND		1.0	0.11	ug/L		08/15/14 08:12	08/19/14 11:42	1
4-Nitrophenol	ND		5.0	0.80	ug/L		08/15/14 08:12	08/19/14 11:42	1
N-Nitrosodi-n-propylamine	ND		1.0	0.050	ug/L		08/15/14 08:12	08/19/14 11:42	1
N-Nitrosodiphenylamine	ND		1.0	0.12	ug/L		08/15/14 08:12	08/19/14 11:42	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.024	ug/L		08/15/14 08:12	08/19/14 11:42	1

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

Lab Sample ID: MB 180-114822/1-A
Matrix: Water
Analysis Batch: 115189

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.50	ug/L		08/15/14 08:12	08/19/14 11:42	1
Phenanthrene	ND		0.20	0.042	ug/L		08/15/14 08:12	08/19/14 11:42	1
Phenol	ND		1.0	0.055	ug/L		08/15/14 08:12	08/19/14 11:42	1
Pyrene	ND		0.20	0.023	ug/L		08/15/14 08:12	08/19/14 11:42	1
1,2,4,5-Tetrachlorobenzene	ND		1.0	0.076	ug/L		08/15/14 08:12	08/19/14 11:42	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.11	ug/L		08/15/14 08:12	08/19/14 11:42	1
2,4,5-Trichlorophenol	ND		1.0	0.12	ug/L		08/15/14 08:12	08/19/14 11:42	1
2,4,6-Trichlorophenol	ND		1.0	0.30	ug/L		08/15/14 08:12	08/19/14 11:42	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*08/15/14 08:12*	*08/19/14 11:42*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*30 - 150*	*08/15/14 08:12*	*08/19/14 11:42*	*1*
2-Fluorophenol (Surr)	*74*		*30 - 150*	*08/15/14 08:12*	*08/19/14 11:42*	*1*
Nitrobenzene-d5 (Surr)	*70*		*30 - 150*	*08/15/14 08:12*	*08/19/14 11:42*	*1*
Phenol-d5 (Surr)	*74*		*30 - 150*	*08/15/14 08:12*	*08/19/14 11:42*	*1*
Terphenyl-d14 (Surr)	*72*		*10 - 150*	*08/15/14 08:12*	*08/19/14 11:42*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*30 - 150*	*08/15/14 08:12*	*08/19/14 11:42*	*1*

Lab Sample ID: LCS 180-114822/2-A
Matrix: Water
Analysis Batch: 115189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	20.0	14.6		ug/L		73	30 - 150
Acenaphthylene	20.0	14.9		ug/L		75	30 - 150
Acetophenone	20.0	12.9		ug/L		64	30 - 150
Anthracene	20.0	14.9		ug/L		74	30 - 150
Atrazine	20.0	14.2		ug/L		71	30 - 150
Benzaldehyde	20.0	15.9		ug/L		79	30 - 150
Benzo[a]anthracene	20.0	14.5		ug/L		73	30 - 150
Benzo[a]pyrene	20.0	14.6		ug/L		73	30 - 150
Benzo[b]fluoranthene	20.0	13.4		ug/L		67	30 - 150
Benzo[g,h,i]perylene	20.0	15.3		ug/L		76	30 - 150
Benzo[k]fluoranthene	20.0	14.4		ug/L		72	30 - 150
1,1'-Biphenyl	20.0	14.7		ug/L		74	30 - 150
Bis(2-chloroethoxy)methane	20.0	13.9		ug/L		70	30 - 150
Bis(2-chloroethyl)ether	20.0	13.8		ug/L		69	30 - 150
Bis(2-ethylhexyl) phthalate	20.0	16.1		ug/L		81	30 - 150
4-Bromophenyl phenyl ether	20.0	15.9		ug/L		79	30 - 150
Butyl benzyl phthalate	20.0	15.9		ug/L		80	30 - 150
Caprolactam	20.0	15.0		ug/L		75	30 - 150
Carbazole	20.0	14.6		ug/L		73	30 - 150
4-Chloroaniline	20.0	13.7		ug/L		69	10 - 150
4-Chloro-3-methylphenol	20.0	15.1		ug/L		76	30 - 150
2-Chloronaphthalene	20.0	13.7		ug/L		69	30 - 150

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

Lab Sample ID: LCS 180-114822/2-A
Matrix: Water
Analysis Batch: 115189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorophenol	20.0	14.6		ug/L		73	30 - 150
4-Chlorophenyl phenyl ether	20.0	14.9		ug/L		75	30 - 150
Chrysene	20.0	14.3		ug/L		72	30 - 150
Dibenz(a,h)anthracene	20.0	15.5		ug/L		78	30 - 150
Dibenzofuran	20.0	14.0		ug/L		70	30 - 150
3,3'-Dichlorobenzidine	20.0	15.1		ug/L		76	10 - 150
2,4-Dichlorophenol	20.0	14.9		ug/L		74	30 - 150
Diethyl phthalate	20.0	16.0		ug/L		80	30 - 150
2,4-Dimethylphenol	20.0	14.2		ug/L		71	30 - 150
Dimethyl phthalate	20.0	15.4		ug/L		77	30 - 150
Di-n-butyl phthalate	20.0	16.0		ug/L		80	30 - 150
4,6-Dinitro-2-methylphenol	40.0	32.3		ug/L		81	30 - 150
2,4-Dinitrophenol	40.0	32.1		ug/L		80	10 - 150
2,4-Dinitrotoluene	20.0	16.6		ug/L		83	30 - 150
2,6-Dinitrotoluene	20.0	15.8		ug/L		79	30 - 150
Di-n-octyl phthalate	20.0	13.1		ug/L		65	10 - 150
1,4-Dioxane	20.0	12.5		ug/L		62	30 - 150
Fluoranthene	20.0	15.3		ug/L		77	30 - 150
Fluorene	20.0	15.3		ug/L		77	30 - 150
Hexachlorobenzene	20.0	15.6		ug/L		78	30 - 150
Hexachlorobutadiene	20.0	14.4		ug/L		72	30 - 150
Hexachlorocyclopentadiene	20.0	16.9		ug/L		85	30 - 150
Hexachloroethane	20.0	13.4		ug/L		67	30 - 150
Indeno[1,2,3-cd]pyrene	20.0	15.2		ug/L		76	30 - 150
Isophorone	20.0	15.0		ug/L		75	30 - 150
2-Methylnaphthalene	20.0	13.6		ug/L		68	30 - 150
2-Methylphenol	20.0	15.6		ug/L		78	30 - 150
Methylphenol, 3 & 4	20.0	15.0		ug/L		75	30 - 150
Naphthalene	20.0	14.0		ug/L		70	30 - 150
2-Nitroaniline	20.0	16.8		ug/L		84	30 - 150
3-Nitroaniline	20.0	15.3		ug/L		76	10 - 150
4-Nitroaniline	20.0	16.2		ug/L		81	30 - 150
Nitrobenzene	20.0	14.7		ug/L		73	30 - 150
2-Nitrophenol	20.0	16.1		ug/L		80	30 - 150
4-Nitrophenol	40.0	34.1		ug/L		85	30 - 150
N-Nitrosodi-n-propylamine	20.0	13.9		ug/L		69	30 - 150
N-Nitrosodiphenylamine	20.0	15.2		ug/L		76	30 - 150
2,2'-oxybis[1-chloropropane]	20.0	13.0		ug/L		65	30 - 150
Pentachlorophenol	40.0	34.2		ug/L		85	10 - 150
Phenanthrene	20.0	14.3		ug/L		72	30 - 150
Phenol	20.0	14.6		ug/L		73	30 - 150
Pyrene	20.0	14.1		ug/L		71	30 - 150
1,2,4,5-Tetrachlorobenzene	20.0	15.1		ug/L		75	30 - 150
2,3,4,6-Tetrachlorophenol	20.0	16.0		ug/L		80	30 - 150
2,4,5-Trichlorophenol	20.0	16.1		ug/L		80	30 - 150
2,4,6-Trichlorophenol	20.0	16.5		ug/L		83	30 - 150

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

Lab Sample ID: LCS 180-114822/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115189
Prep Batch: 114822

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*30 - 150*
2-Fluorophenol (Surr)	*73*		*30 - 150*
Nitrobenzene-d5 (Surr)	*71*		*30 - 150*
Phenol-d5 (Surr)	*72*		*30 - 150*
Terphenyl-d14 (Surr)	*72*		*10 - 150*
2,4,6-Tribromophenol (Surr)	*85*		*30 - 150*

Lab Sample ID: LCSD 180-114822/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115189
Prep Batch: 114822

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	20.0	13.7		ug/L		68	30 - 150	7	35
Acenaphthylene	20.0	14.0		ug/L		70	30 - 150	7	35
Acetophenone	20.0	11.7		ug/L		58	30 - 150	9	35
Anthracene	20.0	14.0		ug/L		70	30 - 150	7	35
Atrazine	20.0	13.7		ug/L		68	30 - 150	4	35
Benzaldehyde	20.0	15.1		ug/L		76	30 - 150	5	35
Benzo[a]anthracene	20.0	13.6		ug/L		68	30 - 150	6	35
Benzo[a]pyrene	20.0	13.4		ug/L		67	30 - 150	9	35
Benzo[b]fluoranthene	20.0	12.6		ug/L		63	30 - 150	6	35
Benzo[g,h,i]perylene	20.0	14.3		ug/L		71	30 - 150	7	35
Benzo[k]fluoranthene	20.0	12.6		ug/L		63	30 - 150	13	35
1,1'-Biphenyl	20.0	13.7		ug/L		68	30 - 150	8	35
Bis(2-chloroethoxy)methane	20.0	12.7		ug/L		63	30 - 150	9	35
Bis(2-chloroethyl)ether	20.0	12.6		ug/L		63	30 - 150	9	35
Bis(2-ethylhexyl) phthalate	20.0	15.0		ug/L		75	30 - 150	7	35
4-Bromophenyl phenyl ether	20.0	15.1		ug/L		75	30 - 150	5	35
Butyl benzyl phthalate	20.0	14.8		ug/L		74	30 - 150	7	35
Caprolactam	20.0	13.7		ug/L		68	30 - 150	9	35
Carbazole	20.0	13.6		ug/L		68	30 - 150	7	35
4-Chloroaniline	20.0	12.2		ug/L		61	10 - 150	12	35
4-Chloro-3-methylphenol	20.0	13.9		ug/L		70	30 - 150	8	35
2-Chloronaphthalene	20.0	12.8		ug/L		64	30 - 150	7	35
2-Chlorophenol	20.0	13.3		ug/L		66	30 - 150	9	35
4-Chlorophenyl phenyl ether	20.0	13.8		ug/L		69	30 - 150	8	35
Chrysene	20.0	13.4		ug/L		67	30 - 150	7	35
Dibenz(a,h)anthracene	20.0	14.4		ug/L		72	30 - 150	7	35
Dibenzofuran	20.0	13.3		ug/L		66	30 - 150	5	35
3,3'-Dichlorobenzidine	20.0	14.2		ug/L		71	10 - 150	6	35
2,4-Dichlorophenol	20.0	13.5		ug/L		68	30 - 150	10	35
Diethyl phthalate	20.0	14.5		ug/L		73	30 - 150	9	35
2,4-Dimethylphenol	20.0	13.2		ug/L		66	30 - 150	8	35
Dimethyl phthalate	20.0	14.1		ug/L		70	30 - 150	9	35
Di-n-butyl phthalate	20.0	15.0		ug/L		75	30 - 150	6	35
4,6-Dinitro-2-methylphenol	40.0	29.8		ug/L		75	30 - 150	8	35
2,4-Dinitrophenol	40.0	29.3		ug/L		73	10 - 150	9	35
2,4-Dinitrotoluene	20.0	15.3		ug/L		77	30 - 150	8	35

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

Lab Sample ID: LCSD 180-114822/3-A
Matrix: Water
Analysis Batch: 115189

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 114822

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,6-Dinitrotoluene	20.0	14.8		ug/L		74	30 - 150	7	35
Di-n-octyl phthalate	20.0	11.9		ug/L		59	10 - 150	9	35
1,4-Dioxane	20.0	11.2		ug/L		56	30 - 150	11	35
Fluoranthene	20.0	14.0		ug/L		70	30 - 150	9	35
Fluorene	20.0	14.1		ug/L		71	30 - 150	8	35
Hexachlorobenzene	20.0	14.6		ug/L		73	30 - 150	7	35
Hexachlorobutadiene	20.0	13.1		ug/L		66	30 - 150	10	35
Hexachlorocyclopentadiene	20.0	16.0		ug/L		80	30 - 150	6	35
Hexachloroethane	20.0	12.3		ug/L		62	30 - 150	9	35
Indeno[1,2,3-cd]pyrene	20.0	14.0		ug/L		70	30 - 150	8	35
Isophorone	20.0	13.7		ug/L		68	30 - 150	9	35
2-Methylnaphthalene	20.0	12.2		ug/L		61	30 - 150	10	35
2-Methylphenol	20.0	13.8		ug/L		69	30 - 150	12	35
Methylphenol, 3 & 4	20.0	13.4		ug/L		67	30 - 150	11	35
Naphthalene	20.0	12.8		ug/L		64	30 - 150	9	35
2-Nitroaniline	20.0	15.4		ug/L		77	30 - 150	9	35
3-Nitroaniline	20.0	14.0		ug/L		70	10 - 150	8	35
4-Nitroaniline	20.0	14.9		ug/L		75	30 - 150	8	35
Nitrobenzene	20.0	13.4		ug/L		67	30 - 150	9	35
2-Nitrophenol	20.0	15.0		ug/L		75	30 - 150	7	35
4-Nitrophenol	40.0	30.8		ug/L		77	30 - 150	10	35
N-Nitrosodi-n-propylamine	20.0	12.4		ug/L		62	30 - 150	11	35
N-Nitrosodiphenylamine	20.0	14.5		ug/L		73	30 - 150	5	35
2,2'-oxybis[1-chloropropane]	20.0	11.8		ug/L		59	30 - 150	10	35
Pentachlorophenol	40.0	31.9		ug/L		80	10 - 150	7	35
Phenanthrene	20.0	13.3		ug/L		67	30 - 150	7	35
Phenol	20.0	13.1		ug/L		66	30 - 150	11	35
Pyrene	20.0	13.4		ug/L		67	30 - 150	5	35
1,2,4,5-Tetrachlorobenzene	20.0	14.2		ug/L		71	30 - 150	6	35
2,3,4,6-Tetrachlorophenol	20.0	15.0		ug/L		75	30 - 150	7	35
2,4,5-Trichlorophenol	20.0	15.2		ug/L		76	30 - 150	6	35
2,4,6-Trichlorophenol	20.0	15.3		ug/L		76	30 - 150	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*30 - 150*
2-Fluorophenol (Surr)	*66*		*30 - 150*
Nitrobenzene-d5 (Surr)	*67*		*30 - 150*
Phenol-d5 (Surr)	*67*		*30 - 150*
Terphenyl-d14 (Surr)	*68*		*10 - 150*
2,4,6-Tribromophenol (Surr)	*80*		*30 - 150*

Lab Sample ID: MB 180-115091/1-A
Matrix: Water
Analysis Batch: 115542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.014	ug/L		08/18/14 10:33	08/21/14 10:07	1
Acenaphthylene	ND		0.20	0.015	ug/L		08/18/14 10:33	08/21/14 10:07	1

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

Lab Sample ID: MB 180-115091/1-A
Matrix: Water
Analysis Batch: 115542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		1.0	0.080	ug/L		08/18/14 10:33	08/21/14 10:07	1
Anthracene	ND		0.20	0.015	ug/L		08/18/14 10:33	08/21/14 10:07	1
Atrazine	ND		1.0	0.089	ug/L		08/18/14 10:33	08/21/14 10:07	1
Benzaldehyde	ND		1.0	0.15	ug/L		08/18/14 10:33	08/21/14 10:07	1
Benzo[a]anthracene	ND		0.20	0.015	ug/L		08/18/14 10:33	08/21/14 10:07	1
Benzo[a]pyrene	ND		0.20	0.013	ug/L		08/18/14 10:33	08/21/14 10:07	1
Benzo[b]fluoranthene	ND		0.20	0.016	ug/L		08/18/14 10:33	08/21/14 10:07	1
Benzo[g,h,i]perylene	ND		0.20	0.015	ug/L		08/18/14 10:33	08/21/14 10:07	1
Benzo[k]fluoranthene	ND		0.20	0.055	ug/L		08/18/14 10:33	08/21/14 10:07	1
1,1'-Biphenyl	ND		1.0	0.042	ug/L		08/18/14 10:33	08/21/14 10:07	1
Bis(2-chloroethoxy)methane	ND		1.0	0.058	ug/L		08/18/14 10:33	08/21/14 10:07	1
Bis(2-chloroethyl)ether	ND		0.20	0.025	ug/L		08/18/14 10:33	08/21/14 10:07	1
Bis(2-ethylhexyl) phthalate	ND		2.0	1.3	ug/L		08/18/14 10:33	08/21/14 10:07	1
4-Bromophenyl phenyl ether	ND		1.0	0.064	ug/L		08/18/14 10:33	08/21/14 10:07	1
Butyl benzyl phthalate	ND		1.0	0.14	ug/L		08/18/14 10:33	08/21/14 10:07	1
Caprolactam	ND		5.0	1.2	ug/L		08/18/14 10:33	08/21/14 10:07	1
Carbazole	ND		0.20	0.016	ug/L		08/18/14 10:33	08/21/14 10:07	1
4-Chloroaniline	ND		1.0	0.089	ug/L		08/18/14 10:33	08/21/14 10:07	1
4-Chloro-3-methylphenol	ND		1.0	0.075	ug/L		08/18/14 10:33	08/21/14 10:07	1
2-Chloronaphthalene	ND		0.20	0.015	ug/L		08/18/14 10:33	08/21/14 10:07	1
2-Chlorophenol	ND		1.0	0.17	ug/L		08/18/14 10:33	08/21/14 10:07	1
4-Chlorophenyl phenyl ether	ND		1.0	0.050	ug/L		08/18/14 10:33	08/21/14 10:07	1
Chrysene	ND		0.20	0.014	ug/L		08/18/14 10:33	08/21/14 10:07	1
Dibenz(a,h)anthracene	ND		0.20	0.016	ug/L		08/18/14 10:33	08/21/14 10:07	1
Dibenzofuran	ND		1.0	0.062	ug/L		08/18/14 10:33	08/21/14 10:07	1
3,3'-Dichlorobenzidine	ND		1.0	0.11	ug/L		08/18/14 10:33	08/21/14 10:07	1
2,4-Dichlorophenol	ND		0.20	0.033	ug/L		08/18/14 10:33	08/21/14 10:07	1
Diethyl phthalate	ND		1.0	0.15	ug/L		08/18/14 10:33	08/21/14 10:07	1
2,4-Dimethylphenol	ND		1.0	0.085	ug/L		08/18/14 10:33	08/21/14 10:07	1
Dimethyl phthalate	ND		1.0	0.077	ug/L		08/18/14 10:33	08/21/14 10:07	1
Di-n-butyl phthalate	ND		1.0	0.12	ug/L		08/18/14 10:33	08/21/14 10:07	1
4,6-Dinitro-2-methylphenol	ND		5.0	0.22	ug/L		08/18/14 10:33	08/21/14 10:07	1
2,4-Dinitrophenol	ND		5.0	0.61	ug/L		08/18/14 10:33	08/21/14 10:07	1
2,4-Dinitrotoluene	ND		1.0	0.054	ug/L		08/18/14 10:33	08/21/14 10:07	1
2,6-Dinitrotoluene	ND		1.0	0.080	ug/L		08/18/14 10:33	08/21/14 10:07	1
Di-n-octyl phthalate	ND		1.0	0.21	ug/L		08/18/14 10:33	08/21/14 10:07	1
1,4-Dioxane	ND		2.0	0.14	ug/L		08/18/14 10:33	08/21/14 10:07	1
Fluoranthene	ND		0.20	0.016	ug/L		08/18/14 10:33	08/21/14 10:07	1
Fluorene	ND		0.20	0.022	ug/L		08/18/14 10:33	08/21/14 10:07	1
Hexachlorobenzene	ND		0.20	0.018	ug/L		08/18/14 10:33	08/21/14 10:07	1
Hexachlorobutadiene	ND		0.20	0.017	ug/L		08/18/14 10:33	08/21/14 10:07	1
Hexachlorocyclopentadiene	ND		1.0	0.052	ug/L		08/18/14 10:33	08/21/14 10:07	1
Hexachloroethane	ND		1.0	0.063	ug/L		08/18/14 10:33	08/21/14 10:07	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.020	ug/L		08/18/14 10:33	08/21/14 10:07	1
Isophorone	ND		1.0	0.064	ug/L		08/18/14 10:33	08/21/14 10:07	1
2-Methylnaphthalene	ND		0.20	0.012	ug/L		08/18/14 10:33	08/21/14 10:07	1
2-Methylphenol	ND		1.0	0.086	ug/L		08/18/14 10:33	08/21/14 10:07	1
Methylphenol, 3 & 4	ND		1.0	0.090	ug/L		08/18/14 10:33	08/21/14 10:07	1

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

Lab Sample ID: MB 180-115091/1-A
Matrix: Water
Analysis Batch: 115542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.20	0.014	ug/L		08/18/14 10:33	08/21/14 10:07	1
2-Nitroaniline	ND		5.0	0.35	ug/L		08/18/14 10:33	08/21/14 10:07	1
3-Nitroaniline	ND		5.0	0.32	ug/L		08/18/14 10:33	08/21/14 10:07	1
4-Nitroaniline	ND		5.0	0.17	ug/L		08/18/14 10:33	08/21/14 10:07	1
Nitrobenzene	ND		2.0	0.084	ug/L		08/18/14 10:33	08/21/14 10:07	1
2-Nitrophenol	ND		1.0	0.17	ug/L		08/18/14 10:33	08/21/14 10:07	1
4-Nitrophenol	ND		5.0	0.65	ug/L		08/18/14 10:33	08/21/14 10:07	1
N-Nitrosodi-n-propylamine	ND		0.20	0.031	ug/L		08/18/14 10:33	08/21/14 10:07	1
N-Nitrosodiphenylamine	ND		1.0	0.085	ug/L		08/18/14 10:33	08/21/14 10:07	1
2,2'-oxybis[1-chloropropane]	ND		0.20	0.020	ug/L		08/18/14 10:33	08/21/14 10:07	1
Pentachlorophenol	ND		1.0	0.066	ug/L		08/18/14 10:33	08/21/14 10:07	1
Phenanthrene	ND		0.20	0.043	ug/L		08/18/14 10:33	08/21/14 10:07	1
Phenol	ND		0.20	0.058	ug/L		08/18/14 10:33	08/21/14 10:07	1
Pyrene	ND		0.20	0.016	ug/L		08/18/14 10:33	08/21/14 10:07	1
1,2,4,5-Tetrachlorobenzene	ND		1.0	0.065	ug/L		08/18/14 10:33	08/21/14 10:07	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.14	ug/L		08/18/14 10:33	08/21/14 10:07	1
2,4,5-Trichlorophenol	ND		1.0	0.15	ug/L		08/18/14 10:33	08/21/14 10:07	1
2,4,6-Trichlorophenol	ND		1.0	0.17	ug/L		08/18/14 10:33	08/21/14 10:07	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*08/18/14 10:33*	*08/21/14 10:07*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*19 - 107*	*08/18/14 10:33*	*08/21/14 10:07*	*1*
2-Fluorophenol (Surr)	*79*		*10 - 111*	*08/18/14 10:33*	*08/21/14 10:07*	*1*
Nitrobenzene-d5 (Surr)	*77*		*23 - 112*	*08/18/14 10:33*	*08/21/14 10:07*	*1*
Phenol-d5 (Surr)	*73*		*15 - 112*	*08/18/14 10:33*	*08/21/14 10:07*	*1*
Terphenyl-d14 (Surr)	*78*		*10 - 132*	*08/18/14 10:33*	*08/21/14 10:07*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*16 - 122*	*08/18/14 10:33*	*08/21/14 10:07*	*1*

Lab Sample ID: LCS 180-115091/2-A
Matrix: Water
Analysis Batch: 115542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	20.0	15.2		ug/L		76	35 - 99
Acenaphthylene	20.0	14.9		ug/L		75	37 - 107
Acetophenone	20.0	12.6		ug/L		63	30 - 150
Anthracene	20.0	15.1		ug/L		75	35 - 105
Atrazine	20.0	14.9		ug/L		75	30 - 150
Benzaldehyde	20.0	17.6		ug/L		88	30 - 150
Benzo[a]anthracene	20.0	13.9		ug/L		69	38 - 101
Benzo[a]pyrene	20.0	14.7		ug/L		74	26 - 108
Benzo[b]fluoranthene	20.0	13.5		ug/L		67	29 - 98
Benzo[g,h,i]perylene	20.0	15.2		ug/L		76	20 - 115
Benzo[k]fluoranthene	20.0	14.4		ug/L		72	28 - 107
1,1'-Biphenyl	20.0	15.2		ug/L		76	30 - 150

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

Lab Sample ID: LCS 180-115091/2-A
Matrix: Water
Analysis Batch: 115542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	20.0	13.8		ug/L		69	33 - 98
Bis(2-chloroethyl)ether	20.0	13.4		ug/L		67	33 - 95
Bis(2-ethylhexyl) phthalate	20.0	14.8		ug/L		74	20 - 116
4-Bromophenyl phenyl ether	20.0	15.8		ug/L		79	37 - 104
Butyl benzyl phthalate	20.0	14.5		ug/L		73	36 - 108
Caprolactam	20.0	13.3		ug/L		67	30 - 150
Carbazole	20.0	14.9		ug/L		74	29 - 112
4-Chloroaniline	20.0	13.1		ug/L		66	10 - 99
4-Chloro-3-methylphenol	20.0	14.6		ug/L		73	35 - 104
2-Chloronaphthalene	20.0	14.1		ug/L		70	34 - 96
2-Chlorophenol	20.0	14.0		ug/L		70	31 - 99
4-Chlorophenyl phenyl ether	20.0	15.3		ug/L		76	34 - 103
Chrysene	20.0	14.6		ug/L		73	37 - 99
Dibenz(a,h)anthracene	20.0	15.2		ug/L		76	19 - 118
Dibenzofuran	20.0	14.6		ug/L		73	34 - 101
3,3'-Dichlorobenzidine	20.0	14.8		ug/L		74	10 - 89
2,4-Dichlorophenol	20.0	14.4		ug/L		72	34 - 104
Diethyl phthalate	20.0	16.8		ug/L		84	36 - 109
2,4-Dimethylphenol	20.0	14.7		ug/L		73	33 - 97
Dimethyl phthalate	20.0	15.4		ug/L		77	37 - 106
Di-n-butyl phthalate	20.0	16.1		ug/L		80	37 - 111
4,6-Dinitro-2-methylphenol	40.0	31.0		ug/L		78	24 - 124
2,4-Dinitrophenol	40.0	31.1		ug/L		78	10 - 130
2,4-Dinitrotoluene	20.0	16.7		ug/L		84	37 - 115
2,6-Dinitrotoluene	20.0	15.5		ug/L		77	39 - 113
Di-n-octyl phthalate	20.0	12.0		ug/L		60	11 - 127
1,4-Dioxane	20.0	15.3		ug/L		76	23 - 88
Fluoranthene	20.0	15.7		ug/L		79	32 - 112
Fluorene	20.0	15.9		ug/L		79	34 - 104
Hexachlorobenzene	20.0	15.3		ug/L		77	35 - 102
Hexachlorobutadiene	20.0	15.4		ug/L		77	35 - 100
Hexachlorocyclopentadiene	20.0	17.6		ug/L		88	36 - 115
Hexachloroethane	20.0	13.1		ug/L		65	32 - 94
Indeno[1,2,3-cd]pyrene	20.0	14.9		ug/L		74	22 - 115
Isophorone	20.0	14.5		ug/L		72	38 - 102
2-Methylnaphthalene	20.0	13.3		ug/L		67	34 - 98
2-Methylphenol	20.0	14.4		ug/L		72	33 - 98
Methylphenol, 3 & 4	20.0	14.2		ug/L		71	32 - 100
Naphthalene	20.0	14.1		ug/L		71	35 - 97
2-Nitroaniline	20.0	17.1		ug/L		85	29 - 112
3-Nitroaniline	20.0	14.7		ug/L		74	11 - 104
4-Nitroaniline	20.0	16.9		ug/L		84	20 - 124
Nitrobenzene	20.0	15.5		ug/L		77	37 - 100
2-Nitrophenol	20.0	15.7		ug/L		78	34 - 107
4-Nitrophenol	40.0	38.7		ug/L		97	29 - 115
N-Nitrosodi-n-propylamine	20.0	13.3		ug/L		67	34 - 101
N-Nitrosodiphenylamine	20.0	15.4		ug/L		77	32 - 102
2,2'-oxybis[1-chloropropane]	20.0	13.3		ug/L		66	30 - 99

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

Lab Sample ID: LCS 180-115091/2-A
Matrix: Water
Analysis Batch: 115542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pentachlorophenol	40.0	33.6		ug/L		84	15 - 111
Phenanthrene	20.0	14.1		ug/L		70	32 - 104
Phenol	20.0	14.1		ug/L		71	32 - 95
Pyrene	20.0	13.3		ug/L		66	35 - 106
1,2,4,5-Tetrachlorobenzene	20.0	15.7		ug/L		79	30 - 125
2,3,4,6-Tetrachlorophenol	20.0	16.3		ug/L		81	36 - 103
2,4,5-Trichlorophenol	20.0	15.8		ug/L		79	34 - 104
2,4,6-Trichlorophenol	20.0	16.6		ug/L		83	36 - 103

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*19 - 107*
2-Fluorophenol (Surr)	*78*		*10 - 111*
Nitrobenzene-d5 (Surr)	*77*		*23 - 112*
Phenol-d5 (Surr)	*69*		*15 - 112*
Terphenyl-d14 (Surr)	*68*		*10 - 132*
2,4,6-Tribromophenol (Surr)	*82*		*16 - 122*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 240-143382/5
Matrix: Water
Analysis Batch: 143382

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100	25	ug/L			08/19/14 10:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*87*		*40 - 133*		*08/19/14 10:45*	*1*

Lab Sample ID: LCS 240-143382/6
Matrix: Water
Analysis Batch: 143382

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics [C6 - C10]	800	808		ug/L		101	67 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*111*		*40 - 133*

Lab Sample ID: MB 240-143606/5
Matrix: Water
Analysis Batch: 143606

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100	25	ug/L			08/20/14 11:36	1

QC Sample Results

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: MB 240-143606/5
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 143606

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*86*		*40 - 133*		*08/20/14 11:36*	*1*

Lab Sample ID: LCS 240-143606/6
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 143606

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics [C6 - C10]	800	813		ug/L		102	67 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*108*		*40 - 133*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 240-143586/7-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 143747
Prep Batch: 143586

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		500	110	ug/L		08/20/14 07:51	08/21/14 12:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*40 - 160*	*08/20/14 07:51*	*08/21/14 12:34*	*1*

Lab Sample ID: LCS 240-143586/8-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 143747
Prep Batch: 143586

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10 - C28]	2500	2050		ug/L		82	40 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*80*		*40 - 160*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-115772/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115917
Prep Batch: 115772

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.30	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
alpha-BHC	ND		1.7	0.27	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
alpha-Chlordane	ND		1.7	0.33	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
beta-BHC	ND		1.7	0.43	ug/Kg		08/22/14 16:50	08/26/14 01:47	1

QC Sample Results

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 180-115772/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115917
Prep Batch: 115772

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	0.22	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
delta-BHC	ND		1.7	0.26	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Dieldrin	ND		1.7	0.28	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Endosulfan I	ND		1.7	0.31	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Endosulfan II	ND		1.7	0.29	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Endosulfan sulfate	ND		1.7	0.17	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Endrin	ND		1.7	0.32	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Endrin aldehyde	ND		1.7	0.32	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Endrin ketone	ND		1.7	0.26	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
gamma-BHC (Lindane)	ND		1.7	0.29	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
gamma-Chlordane	ND		1.7	0.33	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Heptachlor	ND		1.7	0.37	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Heptachlor epoxide	ND		1.7	0.32	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Methoxychlor	ND		3.3	0.35	ug/Kg		08/22/14 16:50	08/26/14 01:47	1
Toxaphene	ND		67	11	ug/Kg		08/22/14 16:50	08/26/14 01:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:47*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:47*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:47*	*1*
Tetrachloro-m-xylene	*94*		*45 - 130*	*08/22/14 16:50*	*08/26/14 01:47*	*1*

Lab Sample ID: LCS 180-115772/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115917
Prep Batch: 115772

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	33.3	30.7		ug/Kg		92	70 - 123
alpha-BHC	33.3	29.9		ug/Kg		90	59 - 127
alpha-Chlordane	33.3	29.1		ug/Kg		87	71 - 130
beta-BHC	33.3	29.2		ug/Kg		87	70 - 138
4,4'-DDD	33.3	29.6		ug/Kg		89	65 - 135
4,4'-DDE	33.3	29.5		ug/Kg		88	70 - 133
4,4'-DDT	33.3	27.8		ug/Kg		83	10 - 140
delta-BHC	33.3	28.3		ug/Kg		85	40 - 124
Dieldrin	33.3	29.6		ug/Kg		89	70 - 123
Endosulfan I	33.3	30.5		ug/Kg		91	62 - 126
Endosulfan II	33.3	30.8		ug/Kg		92	65 - 128
Endosulfan sulfate	33.3	28.8		ug/Kg		87	55 - 140
Endrin	33.3	30.5		ug/Kg		91	70 - 127
Endrin aldehyde	33.3	30.5		ug/Kg		92	65 - 122
Endrin ketone	33.3	28.7		ug/Kg		86	59 - 132
gamma-BHC (Lindane)	33.3	29.9		ug/Kg		90	66 - 124
gamma-Chlordane	33.3	30.2		ug/Kg		91	68 - 123
Heptachlor	33.3	29.5		ug/Kg		88	70 - 128
Heptachlor epoxide	33.3	30.3		ug/Kg		91	69 - 131

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-115772/2-A
Matrix: Solid
Analysis Batch: 115917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115772

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methoxychlor	33.3	26.8		ug/Kg		80	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*95*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*
Tetrachloro-m-xylene	*101*		*45 - 130*
Tetrachloro-m-xylene	*98*		*45 - 130*

Lab Sample ID: MB 180-115773/1-A
Matrix: Solid
Analysis Batch: 116038

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.30	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
alpha-BHC	ND		1.7	0.27	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
alpha-Chlordane	ND		1.7	0.33	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
beta-BHC	ND		1.7	0.43	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
4,4'-DDD	ND		1.7	0.22	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
delta-BHC	ND		1.7	0.26	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
Dieldrin	ND		1.7	0.28	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
Endosulfan I	ND		1.7	0.31	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
Endosulfan II	ND		1.7	0.29	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
Endosulfan sulfate	ND		1.7	0.17	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
Endrin	ND		1.7	0.32	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
Endrin aldehyde	ND		1.7	0.32	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
Endrin ketone	ND		1.7	0.26	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
gamma-BHC (Lindane)	ND		1.7	0.29	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
gamma-Chlordane	ND		1.7	0.33	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
Heptachlor	ND		1.7	0.37	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
Heptachlor epoxide	ND		1.7	0.32	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
Methoxychlor	ND		3.3	0.35	ug/Kg		08/22/14 16:50	08/26/14 15:15	1
Toxaphene	ND		67	11	ug/Kg		08/22/14 16:50	08/26/14 15:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*	*08/22/14 16:50*	*08/26/14 15:15*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/22/14 16:50*	*08/26/14 15:15*	*1*
Tetrachloro-m-xylene	*96*		*45 - 130*	*08/22/14 16:50*	*08/26/14 15:15*	*1*
Tetrachloro-m-xylene	*94*		*45 - 130*	*08/22/14 16:50*	*08/26/14 15:15*	*1*

Lab Sample ID: LCS 180-115773/2-A
Matrix: Solid
Analysis Batch: 116038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	33.3	33.5		ug/Kg		101	70 - 123
alpha-BHC	33.3	31.9		ug/Kg		96	59 - 127

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-115773/2-A
Matrix: Solid
Analysis Batch: 116038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
alpha-Chlordane	33.3	32.7		ug/Kg		98	71 - 130
beta-BHC	33.3	31.0		ug/Kg		93	70 - 138
4,4'-DDD	33.3	32.9		ug/Kg		99	65 - 135
4,4'-DDE	33.3	32.5		ug/Kg		98	70 - 133
4,4'-DDT	33.3	29.7		ug/Kg		89	10 - 140
delta-BHC	33.3	30.0		ug/Kg		90	40 - 124
Dieldrin	33.3	33.4		ug/Kg		100	70 - 123
Endosulfan I	33.3	33.4		ug/Kg		100	62 - 126
Endosulfan II	33.3	33.8		ug/Kg		101	65 - 128
Endosulfan sulfate	33.3	32.5		ug/Kg		98	55 - 140
Endrin	33.3	33.3		ug/Kg		100	70 - 127
Endrin aldehyde	33.3	33.4		ug/Kg		100	65 - 122
Endrin ketone	33.3	31.6		ug/Kg		95	59 - 132
gamma-BHC (Lindane)	33.3	31.9		ug/Kg		96	66 - 124
gamma-Chlordane	33.3	32.4		ug/Kg		97	68 - 123
Heptachlor	33.3	31.6		ug/Kg		95	70 - 128
Heptachlor epoxide	33.3	34.1		ug/Kg		102	69 - 131
Methoxychlor	33.3	28.0		ug/Kg		84	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*97*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*
Tetrachloro-m-xylene	*100*		*45 - 130*
Tetrachloro-m-xylene	*95*		*45 - 130*

Lab Sample ID: 180-35776-42 MS
Matrix: Solid
Analysis Batch: 116038

Client Sample ID: SSHS-B99-SS
Prep Type: Total/NA
Prep Batch: 115773

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		43.4	39.0		ug/Kg	☼	90	70 - 123
alpha-BHC	ND		43.4	39.7		ug/Kg	☼	91	59 - 127
alpha-Chlordane	ND		43.4	47.7		ug/Kg	☼	110	71 - 130
beta-BHC	ND		43.4	37.7		ug/Kg	☼	87	70 - 138
4,4'-DDD	1.7	J p	43.4	43.0		ug/Kg	☼	95	65 - 135
4,4'-DDE	ND		43.4	47.3		ug/Kg	☼	109	70 - 133
4,4'-DDT	13		43.4	54.1		ug/Kg	☼	95	10 - 140
delta-BHC	ND		43.4	37.0		ug/Kg	☼	85	40 - 124
Dieldrin	2.9		43.4	41.3		ug/Kg	☼	89	70 - 123
Endosulfan I	1.2	J	43.4	39.5		ug/Kg	☼	88	62 - 126
Endosulfan II	0.95	J p	43.4	40.3		ug/Kg	☼	91	65 - 128
Endosulfan sulfate	1.2	J p	43.4	41.8		ug/Kg	☼	94	55 - 140
Endrin	7.4	p	43.4	48.1		ug/Kg	☼	94	70 - 127
Endrin aldehyde	ND		43.4	40.5		ug/Kg	☼	93	65 - 122
Endrin ketone	1.6	J p	43.4	44.3		ug/Kg	☼	98	59 - 132
gamma-BHC (Lindane)	ND		43.4	40.3		ug/Kg	☼	93	66 - 124
gamma-Chlordane	6.2	p	43.4	45.2		ug/Kg	☼	90	68 - 123
Heptachlor	ND		43.4	45.3		ug/Kg	☼	105	70 - 128

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35776-42 MS
Matrix: Solid
Analysis Batch: 116038

Client Sample ID: SSHS-B99-SS
Prep Type: Total/NA
Prep Batch: 115773

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptachlor epoxide	13		43.4	52.2		ug/Kg	☼	90	69 - 131
Methoxychlor	5.7	p	43.4	34.9	p	ug/Kg	☼	67	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*
Tetrachloro-m-xylene	*96*		*45 - 130*
Tetrachloro-m-xylene	*94*		*45 - 130*

Lab Sample ID: 180-35776-42 MSD
Matrix: Solid
Analysis Batch: 116038

Client Sample ID: SSHS-B99-SS
Prep Type: Total/NA
Prep Batch: 115773

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		43.4	41.6		ug/Kg	☼	96	70 - 123	7	20
alpha-BHC	ND		43.4	42.5		ug/Kg	☼	98	59 - 127	7	20
alpha-Chlordane	ND		43.4	51.6		ug/Kg	☼	119	71 - 130	8	20
beta-BHC	ND		43.4	39.8		ug/Kg	☼	92	70 - 138	5	20
4,4'-DDD	1.7	J p	43.4	48.7		ug/Kg	☼	108	65 - 135	12	20
4,4'-DDE	ND		43.4	50.3		ug/Kg	☼	116	70 - 133	6	20
4,4'-DDT	13		43.4	57.8		ug/Kg	☼	104	10 - 140	7	37
delta-BHC	ND		43.4	41.9		ug/Kg	☼	97	40 - 124	13	20
Dieldrin	2.9		43.4	44.3		ug/Kg	☼	95	70 - 123	7	20
Endosulfan I	1.2	J	43.4	43.1		ug/Kg	☼	97	62 - 126	9	23
Endosulfan II	0.95	J p	43.4	43.9		ug/Kg	☼	99	65 - 128	9	33
Endosulfan sulfate	1.2	J p	43.4	44.0		ug/Kg	☼	99	55 - 140	5	26
Endrin	7.4	p	43.4	50.4		ug/Kg	☼	99	70 - 127	5	20
Endrin aldehyde	ND		43.4	43.6		ug/Kg	☼	101	65 - 122	7	20
Endrin ketone	1.6	J p	43.4	49.1		ug/Kg	☼	109	59 - 132	10	20
gamma-BHC (Lindane)	ND		43.4	43.1		ug/Kg	☼	99	66 - 124	7	20
gamma-Chlordane	6.2	p	43.4	54.0		ug/Kg	☼	110	68 - 123	18	24
Heptachlor	ND		43.4	47.9		ug/Kg	☼	110	70 - 128	5	20
Heptachlor epoxide	13		43.4	61.0		ug/Kg	☼	110	69 - 131	16	20
Methoxychlor	5.7	p	43.4	37.8	p	ug/Kg	☼	74	10 - 150	8	26

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*
Tetrachloro-m-xylene	*98*		*45 - 130*
Tetrachloro-m-xylene	*96*		*45 - 130*

Lab Sample ID: MB 180-115889/1-A
Matrix: Solid
Analysis Batch: 116038

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115889

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.30	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
alpha-BHC	ND		1.7	0.27	ug/Kg		08/25/14 06:15	08/26/14 16:17	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 180-115889/1-A
Matrix: Solid
Analysis Batch: 116038

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115889

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-Chlordane	ND		1.7	0.33	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
beta-BHC	ND		1.7	0.43	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
4,4'-DDD	ND		1.7	0.22	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
delta-BHC	ND		1.7	0.26	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
Dieldrin	ND		1.7	0.28	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
Endosulfan I	ND		1.7	0.31	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
Endosulfan II	ND		1.7	0.29	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
Endosulfan sulfate	ND		1.7	0.17	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
Endrin	ND		1.7	0.32	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
Endrin aldehyde	ND		1.7	0.32	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
Endrin ketone	ND		1.7	0.26	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
gamma-BHC (Lindane)	ND		1.7	0.29	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
gamma-Chlordane	ND		1.7	0.33	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
Heptachlor	ND		1.7	0.37	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
Heptachlor epoxide	ND		1.7	0.32	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
Methoxychlor	ND		3.3	0.35	ug/Kg		08/25/14 06:15	08/26/14 16:17	1
Toxaphene	ND		67	11	ug/Kg		08/25/14 06:15	08/26/14 16:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*96*		*45 - 130*	*08/25/14 06:15*	*08/26/14 16:17*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*	*08/25/14 06:15*	*08/26/14 16:17*	*1*
Tetrachloro-m-xylene	*96*		*45 - 130*	*08/25/14 06:15*	*08/26/14 16:17*	*1*
Tetrachloro-m-xylene	*91*		*45 - 130*	*08/25/14 06:15*	*08/26/14 16:17*	*1*

Lab Sample ID: LCS 180-115889/2-A
Matrix: Solid
Analysis Batch: 116038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115889

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	33.3	33.3		ug/Kg		100	70 - 123
alpha-BHC	33.3	32.4		ug/Kg		97	59 - 127
alpha-Chlordane	33.3	32.8		ug/Kg		99	71 - 130
beta-BHC	33.3	31.1		ug/Kg		93	70 - 138
4,4'-DDD	33.3	32.7		ug/Kg		98	65 - 135
4,4'-DDE	33.3	32.2		ug/Kg		97	70 - 133
4,4'-DDT	33.3	30.0		ug/Kg		90	10 - 140
delta-BHC	33.3	30.2		ug/Kg		90	40 - 124
Dieldrin	33.3	34.7		ug/Kg		104	70 - 123
Endosulfan I	33.3	35.4		ug/Kg		106	62 - 126
Endosulfan II	33.3	35.1		ug/Kg		105	65 - 128
Endosulfan sulfate	33.3	33.6		ug/Kg		101	55 - 140
Endrin	33.3	34.6		ug/Kg		104	70 - 127
Endrin aldehyde	33.3	34.8		ug/Kg		104	65 - 122
Endrin ketone	33.3	32.9		ug/Kg		99	59 - 132
gamma-BHC (Lindane)	33.3	33.0		ug/Kg		99	66 - 124
gamma-Chlordane	33.3	34.0		ug/Kg		102	68 - 123

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-115889/2-A
Matrix: Solid
Analysis Batch: 116038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115889

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptachlor			33.3	32.5		ug/Kg		98	70 - 128
Heptachlor epoxide			33.3	33.6		ug/Kg		101	69 - 131
Methoxychlor			33.3	28.4		ug/Kg		85	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*99*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*
Tetrachloro-m-xylene	*98*		*45 - 130*
Tetrachloro-m-xylene	*94*		*45 - 130*

Lab Sample ID: 180-35776-55 MS
Matrix: Solid
Analysis Batch: 116038

Client Sample ID: SSHS-B97-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115889

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		35.4	27.7		ug/Kg	☼	78	70 - 123
alpha-BHC	ND		35.4	27.7		ug/Kg	☼	78	59 - 127
alpha-Chlordane	ND		35.4	26.9		ug/Kg	☼	76	71 - 130
beta-BHC	ND		35.4	26.5		ug/Kg	☼	75	70 - 138
4,4'-DDD	ND		35.4	28.0		ug/Kg	☼	79	65 - 135
4,4'-DDE	ND		35.4	28.4		ug/Kg	☼	80	70 - 133
4,4'-DDT	ND		35.4	25.6		ug/Kg	☼	72	10 - 140
delta-BHC	ND		35.4	26.5		ug/Kg	☼	75	40 - 124
Dieldrin	ND		35.4	27.8		ug/Kg	☼	79	70 - 123
Endosulfan I	ND		35.4	28.0		ug/Kg	☼	79	62 - 126
Endosulfan II	ND		35.4	25.7		ug/Kg	☼	73	65 - 128
Endosulfan sulfate	ND		35.4	26.4		ug/Kg	☼	75	55 - 140
Endrin	ND		35.4	28.9		ug/Kg	☼	82	70 - 127
Endrin aldehyde	ND		35.4	25.2		ug/Kg	☼	71	65 - 122
Endrin ketone	ND		35.4	26.0		ug/Kg	☼	73	59 - 132
gamma-BHC (Lindane)	ND		35.4	28.4		ug/Kg	☼	80	66 - 124
gamma-Chlordane	ND		35.4	27.7		ug/Kg	☼	78	68 - 123
Heptachlor	ND		35.4	26.9		ug/Kg	☼	76	70 - 128
Heptachlor epoxide	ND		35.4	27.1		ug/Kg	☼	77	69 - 131
Methoxychlor	ND		35.4	24.7		ug/Kg	☼	70	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 130*
Tetrachloro-m-xylene	*81*		*45 - 130*
Tetrachloro-m-xylene	*78*		*45 - 130*

Lab Sample ID: 180-35776-55 MSD
Matrix: Solid
Analysis Batch: 116038

Client Sample ID: SSHS-B97-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115889

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		35.4	33.2		ug/Kg	☼	94	70 - 123	18	20

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35776-55 MSD
Matrix: Solid
Analysis Batch: 116038

Client Sample ID: SSHS-B97-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115889

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
alpha-BHC	ND		35.4	32.6		ug/Kg	☼	92	59 - 127	16	20
alpha-Chlordane	ND		35.4	30.9		ug/Kg	☼	87	71 - 130	14	20
beta-BHC	ND		35.4	31.2		ug/Kg	☼	88	70 - 138	16	20
4,4'-DDD	ND		35.4	33.7		ug/Kg	☼	95	65 - 135	18	20
4,4'-DDE	ND		35.4	33.2		ug/Kg	☼	94	70 - 133	16	20
4,4'-DDT	ND		35.4	31.3		ug/Kg	☼	88	10 - 140	20	37
delta-BHC	ND		35.4	31.4		ug/Kg	☼	89	40 - 124	17	20
Dieldrin	ND		35.4	32.8		ug/Kg	☼	93	70 - 123	16	20
Endosulfan I	ND		35.4	32.6		ug/Kg	☼	92	62 - 126	15	23
Endosulfan II	ND		35.4	31.5		ug/Kg	☼	89	65 - 128	20	33
Endosulfan sulfate	ND		35.4	31.0		ug/Kg	☼	88	55 - 140	16	26
Endrin	ND		35.4	34.3		ug/Kg	☼	97	70 - 127	17	20
Endrin aldehyde	ND		35.4	30.5		ug/Kg	☼	86	65 - 122	19	20
Endrin ketone	ND		35.4	31.6		ug/Kg	☼	89	59 - 132	20	20
gamma-BHC (Lindane)	ND		35.4	32.6		ug/Kg	☼	92	66 - 124	14	20
gamma-Chlordane	ND		35.4	32.6		ug/Kg	☼	92	68 - 123	16	24
Heptachlor	ND		35.4	32.1		ug/Kg	☼	91	70 - 128	18	20
Heptachlor epoxide	ND		35.4	32.4		ug/Kg	☼	92	69 - 131	18	20
Methoxychlor	ND		35.4	30.0		ug/Kg	☼	85	10 - 150	19	26

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*
Tetrachloro-m-xylene	*92*		*45 - 130*
Tetrachloro-m-xylene	*90*		*45 - 130*

Lab Sample ID: MB 180-116007/1-A
Matrix: Solid
Analysis Batch: 116178

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116007

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.30	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
alpha-BHC	ND		1.7	0.27	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
alpha-Chlordane	ND		1.7	0.33	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
beta-BHC	ND		1.7	0.43	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
4,4'-DDD	ND		1.7	0.22	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
delta-BHC	ND		1.7	0.26	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Dieldrin	ND		1.7	0.28	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Endosulfan I	ND		1.7	0.31	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Endosulfan II	ND		1.7	0.29	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Endosulfan sulfate	ND		1.7	0.17	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Endrin	ND		1.7	0.32	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Endrin aldehyde	ND		1.7	0.32	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Endrin ketone	ND		1.7	0.26	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
gamma-BHC (Lindane)	ND		1.7	0.29	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
gamma-Chlordane	ND		1.7	0.33	ug/Kg		08/26/14 07:50	08/27/14 10:44	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 180-116007/1-A
Matrix: Solid
Analysis Batch: 116178

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116007

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		1.7	0.37	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Heptachlor epoxide	ND		1.7	0.32	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Methoxychlor	ND		3.3	0.35	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Toxaphene	ND		67	11	ug/Kg		08/26/14 07:50	08/27/14 10:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*99*		*45 - 130*	*08/26/14 07:50*	*08/27/14 10:44*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*45 - 130*	*08/26/14 07:50*	*08/27/14 10:44*	*1*
Tetrachloro-m-xylene	*98*		*45 - 130*	*08/26/14 07:50*	*08/27/14 10:44*	*1*
Tetrachloro-m-xylene	*93*		*45 - 130*	*08/26/14 07:50*	*08/27/14 10:44*	*1*

Lab Sample ID: LCS 180-116007/2-A
Matrix: Solid
Analysis Batch: 116178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116007

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	33.3	35.1		ug/Kg		105	70 - 123
alpha-BHC	33.3	32.5		ug/Kg		98	59 - 127
alpha-Chlordane	33.3	35.3		ug/Kg		106	71 - 130
beta-BHC	33.3	32.8		ug/Kg		98	70 - 138
4,4'-DDD	33.3	34.9		ug/Kg		105	65 - 135
4,4'-DDE	33.3	34.1		ug/Kg		102	70 - 133
4,4'-DDT	33.3	32.7		ug/Kg		98	10 - 140
delta-BHC	33.3	31.1		ug/Kg		93	40 - 124
Dieldrin	33.3	35.2		ug/Kg		106	70 - 123
Endosulfan I	33.3	36.3		ug/Kg		109	62 - 126
Endosulfan II	33.3	37.0		ug/Kg		111	65 - 128
Endosulfan sulfate	33.3	36.4		ug/Kg		109	55 - 140
Endrin	33.3	36.0		ug/Kg		108	70 - 127
Endrin aldehyde	33.3	37.4		ug/Kg		112	65 - 122
Endrin ketone	33.3	34.5		ug/Kg		104	59 - 132
gamma-BHC (Lindane)	33.3	34.3		ug/Kg		103	66 - 124
gamma-Chlordane	33.3	35.7		ug/Kg		107	68 - 123
Heptachlor	33.3	34.1		ug/Kg		102	70 - 128
Heptachlor epoxide	33.3	35.3		ug/Kg		106	69 - 131
Methoxychlor	33.3	31.2		ug/Kg		94	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*100*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*99*		*45 - 130*
Tetrachloro-m-xylene	*100*		*45 - 130*
Tetrachloro-m-xylene	*96*		*45 - 130*

QC Sample Results

Method: 8081B_LL - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-115137/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 115424 **Prep Batch: 115137**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0013	0.00083	ug/L		08/18/14 14:32	08/20/14 16:27	1
alpha-BHC	ND		0.0013	0.00066	ug/L		08/18/14 14:32	08/20/14 16:27	1
alpha-Chlordane	ND		0.0013	0.00098	ug/L		08/18/14 14:32	08/20/14 16:27	1
beta-BHC	ND		0.0013	0.0010	ug/L		08/18/14 14:32	08/20/14 16:27	1
4,4'-DDD	ND		0.0013	0.00067	ug/L		08/18/14 14:32	08/20/14 16:27	1
4,4'-DDE	ND		0.0013	0.00079	ug/L		08/18/14 14:32	08/20/14 16:27	1
4,4'-DDT	ND		0.0013	0.00074	ug/L		08/18/14 14:32	08/20/14 16:27	1
delta-BHC	ND		0.0013	0.00038	ug/L		08/18/14 14:32	08/20/14 16:27	1
Dieldrin	ND		0.0013	0.00082	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endosulfan I	ND		0.0013	0.00094	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endosulfan II	ND		0.0013	0.00098	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endosulfan sulfate	ND		0.0013	0.00057	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endrin	ND		0.0013	0.00096	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endrin aldehyde	ND		0.0013	0.00090	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endrin ketone	ND		0.0013	0.00092	ug/L		08/18/14 14:32	08/20/14 16:27	1
gamma-BHC (Lindane)	ND		0.0013	0.00080	ug/L		08/18/14 14:32	08/20/14 16:27	1
gamma-Chlordane	ND		0.0013	0.00096	ug/L		08/18/14 14:32	08/20/14 16:27	1
Heptachlor	ND		0.0013	0.00099	ug/L		08/18/14 14:32	08/20/14 16:27	1
Heptachlor epoxide	ND		0.0013	0.00097	ug/L		08/18/14 14:32	08/20/14 16:27	1
Methoxychlor	ND		0.0025	0.00091	ug/L		08/18/14 14:32	08/20/14 16:27	1
Toxaphene	ND		0.10	0.019	ug/L		08/18/14 14:32	08/20/14 16:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 122*	*08/18/14 14:32*	*08/20/14 16:27*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 122*	*08/18/14 14:32*	*08/20/14 16:27*	*1*
Tetrachloro-m-xylene	*98*		*60 - 111*	*08/18/14 14:32*	*08/20/14 16:27*	*1*
Tetrachloro-m-xylene	*95*		*60 - 111*	*08/18/14 14:32*	*08/20/14 16:27*	*1*

Lab Sample ID: LCS 180-115137/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 115424 **Prep Batch: 115137**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0250	0.0232		ug/L		93	62 - 113
alpha-BHC	0.0250	0.0222		ug/L		89	58 - 114
alpha-Chlordane	0.0250	0.0223		ug/L		89	59 - 114
beta-BHC	0.0250	0.0224		ug/L		89	37 - 133
4,4'-DDD	0.0250	0.0230		ug/L		92	48 - 120
4,4'-DDE	0.0250	0.0226		ug/L		91	47 - 120
4,4'-DDT	0.0250	0.0238		ug/L		95	39 - 131
delta-BHC	0.0250	0.0214		ug/L		86	20 - 137
Dieldrin	0.0250	0.0235		ug/L		94	51 - 121
Endosulfan I	0.0250	0.0231		ug/L		92	53 - 117
Endosulfan II	0.0250	0.0239		ug/L		96	44 - 122
Endosulfan sulfate	0.0250	0.0235		ug/L		94	42 - 122
Endrin	0.0250	0.0244		ug/L		98	31 - 138
Endrin aldehyde	0.0250	0.0235		ug/L		94	41 - 116
Endrin ketone	0.0250	0.0235		ug/L		94	45 - 119

Method: 8081B_LL - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-115137/2-A
Matrix: Water
Analysis Batch: 115424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-BHC (Lindane)	0.0250	0.0229		ug/L		92	57 - 120
gamma-Chlordane	0.0250	0.0233		ug/L		93	60 - 114
Heptachlor	0.0250	0.0233		ug/L		93	63 - 120
Heptachlor epoxide	0.0250	0.0230		ug/L		92	60 - 120
Methoxychlor	0.0250	0.0234		ug/L		94	35 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*93*		*45 - 122*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 122*
Tetrachloro-m-xylene	*94*		*60 - 111*
Tetrachloro-m-xylene	*92*		*60 - 111*

Lab Sample ID: LCSD 180-115137/3-A
Matrix: Water
Analysis Batch: 115424

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115137

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.0250	0.0247		ug/L		99	62 - 113	6	22
alpha-BHC	0.0250	0.0232		ug/L		93	58 - 114	4	20
alpha-Chlordane	0.0250	0.0247		ug/L		99	59 - 114	10	21
beta-BHC	0.0250	0.0236		ug/L		94	37 - 133	5	24
4,4'-DDD	0.0250	0.0249		ug/L		99	48 - 120	8	24
4,4'-DDE	0.0250	0.0238		ug/L		95	47 - 120	5	20
4,4'-DDT	0.0250	0.0240		ug/L		96	39 - 131	1	24
delta-BHC	0.0250	0.0234		ug/L		94	20 - 137	9	26
Dieldrin	0.0250	0.0250		ug/L		100	51 - 121	6	20
Endosulfan I	0.0250	0.0253		ug/L		101	53 - 117	9	22
Endosulfan II	0.0250	0.0261		ug/L		105	44 - 122	9	21
Endosulfan sulfate	0.0250	0.0252		ug/L		101	42 - 122	7	21
Endrin	0.0250	0.0253		ug/L		101	31 - 138	4	24
Endrin aldehyde	0.0250	0.0258		ug/L		103	41 - 116	9	25
Endrin ketone	0.0250	0.0243		ug/L		97	45 - 119	4	20
gamma-BHC (Lindane)	0.0250	0.0244		ug/L		97	57 - 120	6	21
gamma-Chlordane	0.0250	0.0247		ug/L		99	60 - 114	6	21
Heptachlor	0.0250	0.0246		ug/L		99	63 - 120	5	25
Heptachlor epoxide	0.0250	0.0250		ug/L		100	60 - 120	8	20
Methoxychlor	0.0250	0.0235		ug/L		94	35 - 137	0	27

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 122*
DCB Decachlorobiphenyl (Surr)	*95*		*45 - 122*
Tetrachloro-m-xylene	*98*		*60 - 111*
Tetrachloro-m-xylene	*97*		*60 - 111*

QC Sample Results

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 180-115137/1-A
Matrix: Water
Analysis Batch: 115456

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.010	0.0025	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1221	ND		0.010	0.0025	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1232	ND		0.010	0.0029	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1242	ND		0.010	0.0019	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1248	ND		0.010	0.0023	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1254	ND		0.010	0.0023	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1260	ND		0.010	0.0014	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1262	ND		0.010	0.0021	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1268	ND		0.010	0.0027	ug/L		08/18/14 14:32	08/20/14 19:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*60 - 135*	*08/18/14 14:32*	*08/20/14 19:09*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*25 - 150*	*08/18/14 14:32*	*08/20/14 19:09*	*1*

Lab Sample ID: MB 180-115137/1-A
Matrix: Water
Analysis Batch: 115470

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115137

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*60 - 135*	*08/18/14 14:32*	*08/20/14 19:40*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*25 - 150*	*08/18/14 14:32*	*08/20/14 19:40*	*1*

Lab Sample ID: LCS 180-115137/4-A
Matrix: Water
Analysis Batch: 115470

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*98*		*25 - 150*

Lab Sample ID: LCS 180-115137/4-A
Matrix: Water
Analysis Batch: 115456

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	1.02		ug/L		102	55 - 120
PCB-1260	1.00	1.03		ug/L		103	55 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*105*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*108*		*25 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCSD 180-115137/5-A
Matrix: Water
Analysis Batch: 115470

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115137

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*81*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*103*		*25 - 150*

Lab Sample ID: LCSD 180-115137/5-A
Matrix: Water
Analysis Batch: 115456

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115137

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016			1.00	1.09		ug/L		109	55 - 120	7	25
PCB-1260			1.00	1.10		ug/L		110	55 - 120	7	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*106*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*111*		*25 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-115772/1-C
Matrix: Solid
Analysis Batch: 115942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115772

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/22/14 16:50*	*08/26/14 07:33*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*45 - 135*	*08/22/14 16:50*	*08/26/14 07:33*	*1*

Lab Sample ID: MB 180-115772/1-C
Matrix: Solid
Analysis Batch: 115944

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115772

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg		08/22/14 16:50	08/26/14 08:04	1
PCB-1221	ND		17	3.2	ug/Kg		08/22/14 16:50	08/26/14 08:04	1
PCB-1232	ND		17	2.9	ug/Kg		08/22/14 16:50	08/26/14 08:04	1
PCB-1242	ND		17	2.7	ug/Kg		08/22/14 16:50	08/26/14 08:04	1
PCB-1248	ND		17	1.6	ug/Kg		08/22/14 16:50	08/26/14 08:04	1
PCB-1254	ND		17	2.4	ug/Kg		08/22/14 16:50	08/26/14 08:04	1
PCB-1260	ND		17	2.4	ug/Kg		08/22/14 16:50	08/26/14 08:04	1
PCB-1262	ND		17	3.7	ug/Kg		08/22/14 16:50	08/26/14 08:04	1
PCB-1268	ND		17	2.1	ug/Kg		08/22/14 16:50	08/26/14 08:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/22/14 16:50*	*08/26/14 08:04*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*	*08/22/14 16:50*	*08/26/14 08:04*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-115772/3-C
Matrix: Solid
Analysis Batch: 115942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115772

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*

Lab Sample ID: LCS 180-115772/3-C
Matrix: Solid
Analysis Batch: 115944

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115772

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1330	1060		ug/Kg		80	55 - 135
PCB-1260	1330	1030		ug/Kg		77	50 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*

Lab Sample ID: MB 180-115773/1-C
Matrix: Solid
Analysis Batch: 115965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg		08/22/14 16:50	08/26/14 21:01	1
PCB-1221	ND		17	3.2	ug/Kg		08/22/14 16:50	08/26/14 21:01	1
PCB-1232	ND		17	2.9	ug/Kg		08/22/14 16:50	08/26/14 21:01	1
PCB-1242	ND		17	2.7	ug/Kg		08/22/14 16:50	08/26/14 21:01	1
PCB-1248	ND		17	1.6	ug/Kg		08/22/14 16:50	08/26/14 21:01	1
PCB-1254	ND		17	2.4	ug/Kg		08/22/14 16:50	08/26/14 21:01	1
PCB-1260	ND		17	2.4	ug/Kg		08/22/14 16:50	08/26/14 21:01	1
PCB-1262	ND		17	3.7	ug/Kg		08/22/14 16:50	08/26/14 21:01	1
PCB-1268	ND		17	2.1	ug/Kg		08/22/14 16:50	08/26/14 21:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/22/14 16:50*	*08/26/14 21:01*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*45 - 135*	*08/22/14 16:50*	*08/26/14 21:01*	*1*

Lab Sample ID: MB 180-115773/1-C
Matrix: Solid
Analysis Batch: 115968

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115773

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/22/14 16:50*	*08/26/14 21:32*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*45 - 135*	*08/22/14 16:50*	*08/26/14 21:32*	*1*

QC Sample Results

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-115773/3-C
Matrix: Solid
Analysis Batch: 115965

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115773

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016			1330	1080		ug/Kg		81	55 - 135
PCB-1260			1330	1090		ug/Kg		82	50 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*

Lab Sample ID: LCS 180-115773/3-C
Matrix: Solid
Analysis Batch: 115968

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115773

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*94*		*45 - 135*

Lab Sample ID: 180-35776-42 MS
Matrix: Solid
Analysis Batch: 115965

Client Sample ID: SSHS-B99-SS
Prep Type: Total/NA
Prep Batch: 115773

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		1730	1500		ug/Kg	☼	86	55 - 135
PCB-1260	140		1730	1550		ug/Kg	☼	81	50 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*

Lab Sample ID: 180-35776-42 MS
Matrix: Solid
Analysis Batch: 115968

Client Sample ID: SSHS-B99-SS
Prep Type: Total/NA
Prep Batch: 115773

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*84*		*45 - 135*

Lab Sample ID: 180-35776-42 MSD
Matrix: Solid
Analysis Batch: 115965

Client Sample ID: SSHS-B99-SS
Prep Type: Total/NA
Prep Batch: 115773

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1730	1520		ug/Kg	☼	88	55 - 135	2	20
PCB-1260	140		1730	1580		ug/Kg	☼	83	50 - 140	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*90*		*45 - 135*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-35776-42 MSD
Matrix: Solid
Analysis Batch: 115968

Client Sample ID: SSHS-B99-SS
Prep Type: Total/NA
Prep Batch: 115773

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*

Lab Sample ID: MB 180-115889/1-C
Matrix: Solid
Analysis Batch: 115965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115889

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg		08/25/14 06:15	08/27/14 07:29	1
PCB-1221	ND		17	3.2	ug/Kg		08/25/14 06:15	08/27/14 07:29	1
PCB-1232	ND		17	2.9	ug/Kg		08/25/14 06:15	08/27/14 07:29	1
PCB-1242	ND		17	2.7	ug/Kg		08/25/14 06:15	08/27/14 07:29	1
PCB-1248	ND		17	1.6	ug/Kg		08/25/14 06:15	08/27/14 07:29	1
PCB-1254	ND		17	2.4	ug/Kg		08/25/14 06:15	08/27/14 07:29	1
PCB-1260	ND		17	2.4	ug/Kg		08/25/14 06:15	08/27/14 07:29	1
PCB-1262	ND		17	3.7	ug/Kg		08/25/14 06:15	08/27/14 07:29	1
PCB-1268	ND		17	2.1	ug/Kg		08/25/14 06:15	08/27/14 07:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/25/14 06:15*	*08/27/14 07:29*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*45 - 135*	*08/25/14 06:15*	*08/27/14 07:29*	*1*

Lab Sample ID: MB 180-115889/1-C
Matrix: Solid
Analysis Batch: 115968

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115889

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/25/14 06:15*	*08/27/14 08:01*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*	*08/25/14 06:15*	*08/27/14 08:01*	*1*

Lab Sample ID: LCS 180-115889/5-C
Matrix: Solid
Analysis Batch: 115965

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115889

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1330	1080		ug/Kg		81	55 - 135
PCB-1260	1330	1080		ug/Kg		81	50 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*84*		*45 - 135*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-115889/5-C
Matrix: Solid
Analysis Batch: 115968

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115889

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*

Lab Sample ID: 180-35776-55 MS
Matrix: Solid
Analysis Batch: 115965

Client Sample ID: SSHS-B97-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115889

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		1420	940		ug/Kg	☼	66	55 - 135
PCB-1260	ND		1420	860		ug/Kg	☼	61	50 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*72*		*45 - 135*

Lab Sample ID: 180-35776-55 MS
Matrix: Solid
Analysis Batch: 115968

Client Sample ID: SSHS-B97-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115889

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*

Lab Sample ID: 180-35776-55 MSD
Matrix: Solid
Analysis Batch: 115965

Client Sample ID: SSHS-B97-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115889

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1420	1080		ug/Kg	☼	76	55 - 135	14	20
PCB-1260	ND		1420	961		ug/Kg	☼	67	50 - 140	11	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*

Lab Sample ID: 180-35776-55 MSD
Matrix: Solid
Analysis Batch: 115968

Client Sample ID: SSHS-B97-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115889

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*84*		*45 - 135*

QC Sample Results

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-116007/1-C
Matrix: Solid
Analysis Batch: 116167

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116007

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg		08/26/14 07:50	08/27/14 11:05	1
PCB-1221	ND		17	3.2	ug/Kg		08/26/14 07:50	08/27/14 11:05	1
PCB-1232	ND		17	2.9	ug/Kg		08/26/14 07:50	08/27/14 11:05	1
PCB-1242	ND		17	2.7	ug/Kg		08/26/14 07:50	08/27/14 11:05	1
PCB-1248	ND		17	1.6	ug/Kg		08/26/14 07:50	08/27/14 11:05	1
PCB-1254	ND		17	2.4	ug/Kg		08/26/14 07:50	08/27/14 11:05	1
PCB-1260	ND		17	2.4	ug/Kg		08/26/14 07:50	08/27/14 11:05	1
PCB-1262	ND		17	3.7	ug/Kg		08/26/14 07:50	08/27/14 11:05	1
PCB-1268	ND		17	2.1	ug/Kg		08/26/14 07:50	08/27/14 11:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*	*08/26/14 07:50*	*08/27/14 11:05*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*	*08/26/14 07:50*	*08/27/14 11:05*	*1*

Lab Sample ID: MB 180-116007/1-C
Matrix: Solid
Analysis Batch: 116170

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116007

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/26/14 07:50*	*08/27/14 11:36*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*	*08/26/14 07:50*	*08/27/14 11:36*	*1*

Lab Sample ID: LCS 180-116007/5-C
Matrix: Solid
Analysis Batch: 116167

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116007

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1330	1110		ug/Kg		83	55 - 135
PCB-1260	1330	1120		ug/Kg		84	50 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*

Lab Sample ID: LCS 180-116007/5-C
Matrix: Solid
Analysis Batch: 116170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116007

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*93*		*45 - 135*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 180-115465/1-A
Matrix: Solid
Analysis Batch: 116214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	2.1	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Antimony	ND		1.0	0.20	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Arsenic	ND		1.0	0.31	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Barium	0.0210	J	20	0.013	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Beryllium	ND		0.40	0.011	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Cadmium	0.0270	J	0.50	0.014	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Calcium	ND		500	1.5	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Chromium	ND		0.50	0.077	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Cobalt	ND		5.0	0.042	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Copper	ND		2.5	0.14	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Iron	ND		10	0.89	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Lead	ND		1.0	0.10	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Magnesium	ND		500	2.1	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Manganese	ND		1.5	0.089	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Nickel	ND		4.0	0.048	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Potassium	6.79	J	500	6.4	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Selenium	ND		1.0	0.27	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Silver	ND		0.50	0.040	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Sodium	1.46	J	500	1.1	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Thallium	ND		2.0	0.15	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Vanadium	0.245	J	5.0	0.17	mg/Kg		08/20/14 14:02	08/27/14 07:31	1
Zinc	0.186	J	2.0	0.10	mg/Kg		08/20/14 14:02	08/27/14 07:31	1

Lab Sample ID: LCS 180-115465/2-A
Matrix: Solid
Analysis Batch: 116214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	198	198		mg/Kg		100	80 - 120
Antimony	49.5	50.5		mg/Kg		102	80 - 120
Arsenic	49.5	51.0		mg/Kg		103	80 - 120
Barium	198	198		mg/Kg		100	80 - 120
Beryllium	4.95	5.09		mg/Kg		103	80 - 120
Cadmium	4.95	4.70		mg/Kg		95	80 - 120
Calcium	4950	5090		mg/Kg		103	80 - 120
Chromium	19.8	19.7		mg/Kg		99	80 - 120
Cobalt	49.5	49.5		mg/Kg		100	80 - 120
Copper	24.8	24.5		mg/Kg		99	80 - 120
Iron	99.0	102		mg/Kg		103	80 - 120
Lead	49.5	48.1		mg/Kg		97	80 - 120
Magnesium	4950	5010		mg/Kg		101	80 - 120
Manganese	49.5	49.3		mg/Kg		100	80 - 120
Nickel	49.5	49.4		mg/Kg		100	80 - 120
Potassium	4950	5050		mg/Kg		102	80 - 120
Selenium	49.5	48.2		mg/Kg		97	80 - 120
Silver	4.95	4.92		mg/Kg		99	80 - 120
Sodium	4950	5180		mg/Kg		105	80 - 120
Thallium	49.5	46.5		mg/Kg		94	80 - 120

QC Sample Results

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-115465/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116214
Prep Batch: 115465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	49.5	50.9		mg/Kg		103	80 - 120
Zinc	49.5	49.0		mg/Kg		99	80 - 120

Lab Sample ID: 180-35776-42 MS
Client Sample ID: SSHS-B99-SS
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116214
Prep Batch: 115465

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	9100		232	12900	4	mg/Kg	☼	1614	75 - 125
Antimony	ND		58.1	35.6	F1	mg/Kg	☼	61	75 - 125
Arsenic	7.7		58.1	59.2		mg/Kg	☼	89	75 - 125
Barium	97	B	232	310		mg/Kg	☼	92	75 - 125
Beryllium	0.49		5.81	5.64		mg/Kg	☼	89	75 - 125
Cadmium	0.22	J B	5.81	4.92		mg/Kg	☼	81	75 - 125
Calcium	8200		5810	13100		mg/Kg	☼	83	75 - 125
Chromium	15		23.2	36.5		mg/Kg	☼	95	75 - 125
Cobalt	8.0		58.1	63.8		mg/Kg	☼	96	75 - 125
Copper	34		29.0	62.1		mg/Kg	☼	97	75 - 125
Iron	19000		116	19900	4	mg/Kg	☼	719	75 - 125
Lead	32		58.1	90.3		mg/Kg	☼	101	75 - 125
Magnesium	3900		5810	9240		mg/Kg	☼	92	75 - 125
Manganese	470		58.1	501	4	mg/Kg	☼	54	75 - 125
Nickel	40		58.1	98.5		mg/Kg	☼	100	75 - 125
Potassium	860	B	5810	6560		mg/Kg	☼	98	75 - 125
Selenium	ND		58.1	48.9		mg/Kg	☼	84	75 - 125
Silver	ND		5.81	5.00		mg/Kg	☼	86	75 - 125
Sodium	81	J B	5810	5290		mg/Kg	☼	90	75 - 125
Thallium	ND		58.1	49.8		mg/Kg	☼	86	75 - 125
Vanadium	13	B	58.1	70.6		mg/Kg	☼	99	75 - 125
Zinc	82	B	58.1	134		mg/Kg	☼	90	75 - 125

Lab Sample ID: 180-35776-42 MSD
Client Sample ID: SSHS-B99-SS
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116214
Prep Batch: 115465

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	9100		237	13300	4	mg/Kg	☼	1758	75 - 125	3	20
Antimony	ND		59.1	36.0	F1	mg/Kg	☼	61	75 - 125	1	20
Arsenic	7.7		59.1	59.3		mg/Kg	☼	87	75 - 125	0	20
Barium	97	B	237	311		mg/Kg	☼	90	75 - 125	0	20
Beryllium	0.49		5.91	5.75		mg/Kg	☼	89	75 - 125	2	20
Cadmium	0.22	J B	5.91	4.98		mg/Kg	☼	80	75 - 125	1	20
Calcium	8200		5910	14300		mg/Kg	☼	102	75 - 125	9	20
Chromium	15		23.7	37.5		mg/Kg	☼	97	75 - 125	3	20
Cobalt	8.0		59.1	64.4		mg/Kg	☼	95	75 - 125	1	20
Copper	34		29.6	64.5		mg/Kg	☼	103	75 - 125	4	20
Iron	19000		118	20500	4	mg/Kg	☼	1236	75 - 125	3	20
Lead	32		59.1	87.4		mg/Kg	☼	94	75 - 125	3	20
Magnesium	3900		5910	9970		mg/Kg	☼	103	75 - 125	8	20

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35776-42 MSD
Matrix: Solid
Analysis Batch: 116214

Client Sample ID: SSHS-B99-SS
Prep Type: Total/NA
Prep Batch: 115465

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Manganese	470		59.1	514	4	mg/Kg	☼	75	75 - 125	3	20
Nickel	40		59.1	101		mg/Kg	☼	102	75 - 125	2	20
Potassium	860	B	5910	6610		mg/Kg	☼	97	75 - 125	1	20
Selenium	ND		59.1	49.1		mg/Kg	☼	83	75 - 125	0	20
Silver	ND		5.91	5.15		mg/Kg	☼	87	75 - 125	3	20
Sodium	81	J B	5910	5320		mg/Kg	☼	89	75 - 125	1	20
Thallium	ND		59.1	50.9		mg/Kg	☼	86	75 - 125	2	20
Vanadium	13	B	59.1	70.5		mg/Kg	☼	97	75 - 125	0	20
Zinc	82	B	59.1	135		mg/Kg	☼	90	75 - 125	1	20

Lab Sample ID: MB 180-116034/1-A
Matrix: Solid
Analysis Batch: 116361

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116034

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		19	2.0	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Antimony	ND		0.97	0.19	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Arsenic	ND		0.97	0.30	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Barium	ND		19	0.012	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Beryllium	ND		0.39	0.011	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Cadmium	ND		0.49	0.014	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Calcium	ND		490	1.5	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Chromium	0.0903	J	0.49	0.075	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Cobalt	ND		4.9	0.041	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Copper	ND		2.4	0.14	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Iron	ND		9.7	0.86	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Lead	ND		0.97	0.099	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Magnesium	ND		490	2.0	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Manganese	ND		1.5	0.086	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Nickel	0.0485	J	3.9	0.046	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Potassium	ND		490	6.2	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Selenium	ND		0.97	0.26	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Silver	0.0427	J	0.49	0.039	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Sodium	24.0	J	490	1.0	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Thallium	ND		1.9	0.14	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Vanadium	ND		4.9	0.17	mg/Kg		08/26/14 09:01	08/28/14 07:49	1
Zinc	0.174	J	1.9	0.10	mg/Kg		08/26/14 09:01	08/28/14 07:49	1

Lab Sample ID: LCS 180-116034/2-A
Matrix: Solid
Analysis Batch: 116361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116034

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	196	191		mg/Kg		97	80 - 120
Antimony	49.0	47.7		mg/Kg		97	80 - 120
Arsenic	49.0	49.4		mg/Kg		101	80 - 120
Barium	196	194		mg/Kg		99	80 - 120
Beryllium	4.90	4.96		mg/Kg		101	80 - 120
Cadmium	4.90	4.50		mg/Kg		92	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-116034/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116361 **Prep Batch: 116034**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium			4900	4880		mg/Kg		100	80 - 120
Chromium			19.6	19.3		mg/Kg		98	80 - 120
Cobalt			49.0	47.6		mg/Kg		97	80 - 120
Copper			24.5	23.8		mg/Kg		97	80 - 120
Iron			98.0	99.0		mg/Kg		101	80 - 120
Lead			49.0	46.5		mg/Kg		95	80 - 120
Magnesium			4900	4790		mg/Kg		98	80 - 120
Manganese			49.0	47.5		mg/Kg		97	80 - 120
Nickel			49.0	47.3		mg/Kg		97	80 - 120
Potassium			4900	4870		mg/Kg		99	80 - 120
Selenium			49.0	47.2		mg/Kg		96	80 - 120
Silver			4.90	4.76		mg/Kg		97	80 - 120
Sodium			4900	4970		mg/Kg		101	80 - 120
Thallium			49.0	44.7		mg/Kg		91	80 - 120
Vanadium			49.0	50.4		mg/Kg		103	80 - 120
Zinc			49.0	47.3		mg/Kg		97	80 - 120

Lab Sample ID: 180-35776-54 MS **Client Sample ID: SSHS-B97-2-6 (5)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116361 **Prep Batch: 116034**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	9500		206	12600	4	mg/Kg	☼	1549	75 - 125
Antimony	ND		51.4	32.1	F1	mg/Kg	☼	63	75 - 125
Arsenic	8.0		51.4	51.9		mg/Kg	☼	85	75 - 125
Barium	71		206	249		mg/Kg	☼	87	75 - 125
Beryllium	0.40	J	5.14	4.98		mg/Kg	☼	89	75 - 125
Cadmium	0.047	J	5.14	4.21		mg/Kg	☼	81	75 - 125
Calcium	22000		5140	20200	4	mg/Kg	☼	-44	75 - 125
Chromium	13	B	20.6	31.3		mg/Kg	☼	87	75 - 125
Cobalt	7.4		51.4	54.7		mg/Kg	☼	92	75 - 125
Copper	23		25.7	41.7	F1	mg/Kg	☼	73	75 - 125
Iron	19000		103	21600	4	mg/Kg	☼	2077	75 - 125
Lead	18		51.4	60.4		mg/Kg	☼	82	75 - 125
Magnesium	3900		5140	8530		mg/Kg	☼	91	75 - 125
Manganese	400		51.4	404	4	mg/Kg	☼	9	75 - 125
Nickel	19	B	51.4	66.7		mg/Kg	☼	93	75 - 125
Potassium	740		5140	5390		mg/Kg	☼	91	75 - 125
Selenium	0.49	J	51.4	42.5		mg/Kg	☼	82	75 - 125
Silver	ND		5.14	4.42		mg/Kg	☼	86	75 - 125
Sodium	78	J B	5140	4660		mg/Kg	☼	89	75 - 125
Thallium	ND		51.4	42.5		mg/Kg	☼	83	75 - 125
Vanadium	14		51.4	63.9		mg/Kg	☼	96	75 - 125
Zinc	59	B	51.4	101		mg/Kg	☼	82	75 - 125

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35776-54 MSD
Matrix: Solid
Analysis Batch: 116361

Client Sample ID: SSHS-B97-2-6 (5)
Prep Type: Total/NA
Prep Batch: 116034

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	9500		207	11700	4	mg/Kg	☼	1076	75 - 125	8	20
Antimony	ND		51.9	33.3	F1	mg/Kg	☼	64	75 - 125	4	20
Arsenic	8.0		51.9	53.8		mg/Kg	☼	88	75 - 125	4	20
Barium	71		207	255		mg/Kg	☼	89	75 - 125	2	20
Beryllium	0.40	J	5.19	5.02		mg/Kg	☼	89	75 - 125	1	20
Cadmium	0.047	J	5.19	4.34		mg/Kg	☼	83	75 - 125	3	20
Calcium	22000		5190	33800	4 F2	mg/Kg	☼	219	75 - 125	50	20
Chromium	13	B	20.7	31.3		mg/Kg	☼	86	75 - 125	0	20
Cobalt	7.4		51.9	55.9		mg/Kg	☼	93	75 - 125	2	20
Copper	23		25.9	42.3	F1	mg/Kg	☼	74	75 - 125	2	20
Iron	19000		104	18600	4	mg/Kg	☼	-752	75 - 125	14	20
Lead	18		51.9	65.3		mg/Kg	☼	91	75 - 125	8	20
Magnesium	3900		5190	11400	F1 F2	mg/Kg	☼	146	75 - 125	29	20
Manganese	400		51.9	407	4	mg/Kg	☼	15	75 - 125	1	20
Nickel	19	B	51.9	67.7		mg/Kg	☼	94	75 - 125	1	20
Potassium	740		5190	5490		mg/Kg	☼	92	75 - 125	2	20
Selenium	0.49	J	51.9	44.4		mg/Kg	☼	85	75 - 125	4	20
Silver	ND		5.19	4.62		mg/Kg	☼	89	75 - 125	5	20
Sodium	78	J B	5190	4830		mg/Kg	☼	92	75 - 125	4	20
Thallium	ND		51.9	43.9		mg/Kg	☼	85	75 - 125	3	20
Vanadium	14		51.9	65.9		mg/Kg	☼	99	75 - 125	3	20
Zinc	59	B	51.9	101		mg/Kg	☼	80	75 - 125	0	20

Lab Sample ID: MB 180-115029/1-A
Matrix: Water
Analysis Batch: 116002

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 115029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	42	ug/L		08/18/14 06:08	08/25/14 17:18	1
Antimony	ND		10	2.5	ug/L		08/18/14 06:08	08/25/14 17:18	1
Arsenic	ND		10	3.0	ug/L		08/18/14 06:08	08/25/14 17:18	1
Barium	ND		200	0.19	ug/L		08/18/14 06:08	08/25/14 17:18	1
Beryllium	ND		4.0	0.27	ug/L		08/18/14 06:08	08/25/14 17:18	1
Cadmium	ND		5.0	0.17	ug/L		08/18/14 06:08	08/25/14 17:18	1
Calcium	ND		5000	14	ug/L		08/18/14 06:08	08/25/14 17:18	1
Chromium	ND		5.0	1.0	ug/L		08/18/14 06:08	08/25/14 17:18	1
Cobalt	ND		50	0.39	ug/L		08/18/14 06:08	08/25/14 17:18	1
Copper	ND		25	0.85	ug/L		08/18/14 06:08	08/25/14 17:18	1
Iron	ND		100	5.3	ug/L		08/18/14 06:08	08/25/14 17:18	1
Lead	ND		10	1.5	ug/L		08/18/14 06:08	08/25/14 17:18	1
Magnesium	ND		5000	11	ug/L		08/18/14 06:08	08/25/14 17:18	1
Manganese	ND		15	0.094	ug/L		08/18/14 06:08	08/25/14 17:18	1
Nickel	ND		40	0.49	ug/L		08/18/14 06:08	08/25/14 17:18	1
Potassium	243	J	5000	41	ug/L		08/18/14 06:08	08/25/14 17:18	1
Selenium	ND		10	1.7	ug/L		08/18/14 06:08	08/25/14 17:18	1
Silver	ND		5.0	0.27	ug/L		08/18/14 06:08	08/25/14 17:18	1
Sodium	82.6	J	5000	21	ug/L		08/18/14 06:08	08/25/14 17:18	1
Thallium	ND		20	1.5	ug/L		08/18/14 06:08	08/25/14 17:18	1

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

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-115029/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 116002
Prep Batch: 115029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	ND		50	1.1	ug/L		08/18/14 06:08	08/25/14 17:18	1
Zinc	ND		20	6.0	ug/L		08/18/14 06:08	08/25/14 17:18	1

Lab Sample ID: LCS 180-115029/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 116002
Prep Batch: 115029

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2000	1990		ug/L		99	80 - 120
Antimony	500	527		ug/L		105	80 - 120
Arsenic	500	535		ug/L		107	80 - 120
Barium	2000	2200		ug/L		110	80 - 120
Beryllium	50.0	50.3		ug/L		101	80 - 120
Cadmium	50.0	49.3		ug/L		99	80 - 120
Calcium	50000	47400		ug/L		95	80 - 120
Chromium	200	192		ug/L		96	80 - 120
Cobalt	500	495		ug/L		99	80 - 120
Copper	250	247		ug/L		99	80 - 120
Iron	1000	1010		ug/L		101	80 - 120
Lead	500	478		ug/L		96	80 - 120
Magnesium	50000	46500		ug/L		93	80 - 120
Manganese	500	481		ug/L		96	80 - 120
Nickel	500	487		ug/L		97	80 - 120
Potassium	50000	50100		ug/L		100	80 - 120
Selenium	500	524		ug/L		105	80 - 120
Silver	50.0	52.0		ug/L		104	80 - 120
Sodium	50000	52200		ug/L		104	80 - 120
Thallium	500	492		ug/L		98	80 - 120
Vanadium	500	506		ug/L		101	80 - 120
Zinc	500	487		ug/L		97	80 - 120

Lab Sample ID: 180-35776-74 MS
Client Sample ID: 20140813-EQUIPMENT BLANK-SOIL
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 116002
Prep Batch: 115029

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	ND		2000	1990		ug/L		99	75 - 125
Antimony	ND		500	530		ug/L		106	75 - 125
Arsenic	ND		500	534		ug/L		107	75 - 125
Barium	ND		2000	2190		ug/L		110	75 - 125
Beryllium	ND		50.0	49.2		ug/L		98	75 - 125
Cadmium	ND		50.0	49.2		ug/L		98	75 - 125
Calcium	25	J	50000	46700		ug/L		93	75 - 125
Chromium	ND		200	180		ug/L		90	75 - 125
Cobalt	ND		500	494		ug/L		99	75 - 125
Copper	ND		250	246		ug/L		98	75 - 125
Iron	25	J	1000	1010		ug/L		98	75 - 125
Lead	ND		500	475		ug/L		95	75 - 125
Magnesium	ND		50000	45500		ug/L		91	75 - 125

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35776-74 MS
Client Sample ID: 20140813-EQUIPMENT BLANK-SOIL
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 116002
Prep Batch: 115029

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	0.66	J	500	474		ug/L		95	75 - 125
Nickel	ND		500	485		ug/L		97	75 - 125
Potassium	330	J B	50000	49500		ug/L		98	75 - 125
Selenium	ND		500	522		ug/L		104	75 - 125
Silver	ND		50.0	49.1		ug/L		98	75 - 125
Sodium	56	J B	50000	51500		ug/L		103	75 - 125
Thallium	ND		500	490		ug/L		98	75 - 125
Vanadium	ND		500	477		ug/L		95	75 - 125
Zinc	ND		500	483		ug/L		97	75 - 125

Lab Sample ID: 180-35776-74 MSD
Client Sample ID: 20140813-EQUIPMENT BLANK-SOIL
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 116002
Prep Batch: 115029

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	ND		2000	1980		ug/L		99	75 - 125	1	20
Antimony	ND		500	513		ug/L		103	75 - 125	3	20
Arsenic	ND		500	525		ug/L		105	75 - 125	2	20
Barium	ND		2000	2160		ug/L		108	75 - 125	1	20
Beryllium	ND		50.0	49.4		ug/L		99	75 - 125	0	20
Cadmium	ND		50.0	48.6		ug/L		97	75 - 125	1	20
Calcium	25	J	50000	46500		ug/L		93	75 - 125	0	20
Chromium	ND		200	187		ug/L		93	75 - 125	4	20
Cobalt	ND		500	487		ug/L		97	75 - 125	2	20
Copper	ND		250	245		ug/L		98	75 - 125	0	20
Iron	25	J	1000	1010		ug/L		98	75 - 125	0	20
Lead	ND		500	471		ug/L		94	75 - 125	1	20
Magnesium	ND		50000	45300		ug/L		91	75 - 125	0	20
Manganese	0.66	J	500	473		ug/L		94	75 - 125	0	20
Nickel	ND		500	477		ug/L		95	75 - 125	2	20
Potassium	330	J B	50000	49100		ug/L		98	75 - 125	1	20
Selenium	ND		500	509		ug/L		102	75 - 125	3	20
Silver	ND		50.0	50.6		ug/L		101	75 - 125	3	20
Sodium	56	J B	50000	50800		ug/L		101	75 - 125	1	20
Thallium	ND		500	483		ug/L		97	75 - 125	1	20
Vanadium	ND		500	489		ug/L		98	75 - 125	3	20
Zinc	ND		500	480		ug/L		96	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-115423/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115556
Prep Batch: 115423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.038	ug/L		08/20/14 10:20	08/20/14 14:50	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 180-115423/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 115556 **Prep Batch: 115423**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	5.01		ug/L		100	80 - 120

Lab Sample ID: LCSD 180-115423/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 115556 **Prep Batch: 115423**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	5.00	4.90		ug/L		98	80 - 120	2	20

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 180-115923/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115966 **Prep Batch: 115923**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.011	mg/Kg		08/25/14 10:11	08/25/14 13:24	1

Lab Sample ID: LCS 180-115923/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115966 **Prep Batch: 115923**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.403	0.419		mg/Kg		104	80 - 120

Lab Sample ID: 180-35776-42 MS **Client Sample ID: SSHS-B99-SS**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115966 **Prep Batch: 115923**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.068		0.210	0.286		mg/Kg	☼	104	75 - 125

Lab Sample ID: 180-35776-42 MSD **Client Sample ID: SSHS-B99-SS**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115966 **Prep Batch: 115923**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.068		0.210	0.289		mg/Kg	☼	105	75 - 125	1	20

Lab Sample ID: MB 180-115924/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115966 **Prep Batch: 115924**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.011	mg/Kg		08/25/14 10:13	08/25/14 14:13	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique) (Continued)

Lab Sample ID: LCS 180-115924/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115966
Prep Batch: 115924

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.403	0.413		mg/Kg		102	80 - 120		

Lab Sample ID: 180-35776-59 MS
Client Sample ID: SSHS-B29-A-2-6 (4.5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115966
Prep Batch: 115924

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.020	J	0.173	0.202		mg/Kg	☼	105	75 - 125		

Lab Sample ID: 180-35776-59 MSD
Client Sample ID: SSHS-B29-A-2-6 (4.5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115966
Prep Batch: 115924

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.020	J	0.173	0.198		mg/Kg	☼	103	75 - 125	2	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-35776-42 DU
Client Sample ID: SSHS-B99-SS
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 114872

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	23			22		%				7	20
Percent Solids	77			78		%				2	20

Lab Sample ID: 180-35776-44 DU
Client Sample ID: SSHS-B99-2-6 (4)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 114879

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	13			13		%				7	20
Percent Solids	87			87		%				1	20

Lab Sample ID: 180-35776-54 DU
Client Sample ID: SSHS-B97-2-6 (5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 114884

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	9.9			8.9		%				11	20
Percent Solids	90			91		%				1	20

Lab Sample ID: 180-35776-64 DU
Client Sample ID: DUP-06
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 114884

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	6.5			7.7		%				17	20
Percent Solids	94			92		%				1	20

Method: 9014 - Cyanide

Lab Sample ID: MB 180-115467/4-A
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115467

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.15	mg/Kg		08/20/14 14:00	08/20/14 15:20	1

Lab Sample ID: HLCS 180-115467/2-A
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115467

Analyte			Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.250	0.226		mg/Kg		90	90 - 110		

Lab Sample ID: LCS 180-115467/3-A
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115467

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			101	93.6		mg/Kg		93	38 - 162		

Lab Sample ID: LLCS 180-115467/1-A
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115467

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.0500	0.0496		mg/Kg		99	90 - 110		

Lab Sample ID: 180-35776-41 MS
Matrix: Solid
Analysis Batch: 115506

Client Sample ID: SSHS-91-10-15 (12.5)
Prep Type: Total/NA
Prep Batch: 115467

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	ND		5.67	5.68		mg/Kg	☼	100	75 - 125		

Lab Sample ID: MB 180-115561/4-A
Matrix: Water
Analysis Batch: 115631

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115561

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		10	3.2	ug/L		08/21/14 08:50	08/21/14 10:47	1

Lab Sample ID: HLCS 180-115561/2-A
Matrix: Water
Analysis Batch: 115631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115561

Analyte			Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			250	233		ug/L		93	90 - 110		

Lab Sample ID: LCS 180-115561/3-A
Matrix: Water
Analysis Batch: 115631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115561

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			200	186		ug/L		93	85 - 115		

QC Sample Results

Lab Sample ID: LLCS 180-115561/1-A
Matrix: Water
Analysis Batch: 115631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115561

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			50.0	48.6		ug/L		97	90 - 110		

Lab Sample ID: MB 180-115605/4-A
Matrix: Solid
Analysis Batch: 115631

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.15	mg/Kg		08/21/14 12:25	08/21/14 13:47	1

Lab Sample ID: HLCS 180-115605/2-A
Matrix: Solid
Analysis Batch: 115631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115605

Analyte			Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.250	0.234		mg/Kg		94	90 - 110		

Lab Sample ID: LCS 180-115605/3-A
Matrix: Solid
Analysis Batch: 115631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115605

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			101	83.8		mg/Kg		83	38 - 162		

Lab Sample ID: LLCS 180-115605/1-A
Matrix: Solid
Analysis Batch: 115631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115605

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.0500	0.0487		mg/Kg		97	90 - 110		

Lab Sample ID: 180-35776-42 MS
Matrix: Solid
Analysis Batch: 115631

Client Sample ID: SSHS-B99-SS
Prep Type: Total/NA
Prep Batch: 115605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	0.34	J	6.38	6.76		mg/Kg	☼	101	75 - 125		

Lab Sample ID: 180-35776-42 MSD
Matrix: Solid
Analysis Batch: 115631

Client Sample ID: SSHS-B99-SS
Prep Type: Total/NA
Prep Batch: 115605

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.34	J	6.25	6.40		mg/Kg	☼	97	75 - 125	5	20

Lab Sample ID: 180-35776-61 MS
Matrix: Solid
Analysis Batch: 115631

Client Sample ID: SSHS-B29-A-10-12 (11.5)
Prep Type: Total/NA
Prep Batch: 115605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	0.23	J	5.16	5.35		mg/Kg	☼	99	75 - 125		

QC Sample Results

Method: 9014 - Cyanide (Continued)

Lab Sample ID: MB 180-115650/4-A
Matrix: Solid
Analysis Batch: 115748

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115650

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.15	mg/Kg		08/22/14 07:00	08/22/14 09:45	1

Lab Sample ID: HLCS 180-115650/2-A
Matrix: Solid
Analysis Batch: 115748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115650

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.230		mg/Kg		92	90 - 110

Lab Sample ID: LCS 180-115650/3-A
Matrix: Solid
Analysis Batch: 115748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115650

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	101	91.9		mg/Kg		91	38 - 162

Lab Sample ID: LLCS 180-115650/1-A
Matrix: Solid
Analysis Batch: 115748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115650

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0466		mg/Kg		93	90 - 110

GC/MS VOA

Analysis Batch: 114991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-41	SSHS-91-10-15 (12.5)	Total/NA	Solid	8260C	114996
180-35776-42	SSHS-B99-SS	Total/NA	Solid	8260C	114996
180-35776-42 MS	SSHS-B99-SS	Total/NA	Solid	8260C	114996
180-35776-42 MSD	SSHS-B99-SS	Total/NA	Solid	8260C	114996
180-35776-43	SSHS-B99-0.17-2 (1)	Total/NA	Solid	8260C	114996
180-35776-44	SSHS-B99-2-6 (4)	Total/NA	Solid	8260C	114996
180-35776-45	SSHS-B99-6-10 (8)	Total/NA	Solid	8260C	114996
180-35776-46	SSHS-B99-10-14.5 (12)	Total/NA	Solid	8260C	114996
180-35776-49	SSHS-B98-6-10 (7.5)	Total/NA	Solid	8260C	114996
180-35776-50	SSHS-B98-2-6 (3.5)	Total/NA	Solid	8260C	114996
180-35776-51	SSHS-B98-10-12 (12)	Total/NA	Solid	8260C	114996
180-35776-52	SSHS-B97-SS	Total/NA	Solid	8260C	114996
180-35776-53	SSHS-B97-0.17-2 (1)	Total/NA	Solid	8260C	114996
180-35776-54	SSHS-B97-2-6 (5)	Total/NA	Solid	8260C	114996
180-35776-55	SSHS-B97-6-10 (8)	Total/NA	Solid	8260C	114996
180-35776-56	SSHS-B97-10-16 (13)	Total/NA	Solid	8260C	114996
180-35776-57	SSHS-B29-A-SS	Total/NA	Solid	8260C	114996
LCS 180-114996/2-A	Lab Control Sample	Total/NA	Solid	8260C	114996
MB 180-114996/1-A	Method Blank	Total/NA	Solid	8260C	114996

Prep Batch: 114996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-41	SSHS-91-10-15 (12.5)	Total/NA	Solid	5035	
180-35776-42	SSHS-B99-SS	Total/NA	Solid	5035	
180-35776-42 MS	SSHS-B99-SS	Total/NA	Solid	5035	
180-35776-42 MSD	SSHS-B99-SS	Total/NA	Solid	5035	
180-35776-43	SSHS-B99-0.17-2 (1)	Total/NA	Solid	5035	
180-35776-44	SSHS-B99-2-6 (4)	Total/NA	Solid	5035	
180-35776-45	SSHS-B99-6-10 (8)	Total/NA	Solid	5035	
180-35776-46	SSHS-B99-10-14.5 (12)	Total/NA	Solid	5035	
180-35776-49	SSHS-B98-6-10 (7.5)	Total/NA	Solid	5035	
180-35776-50	SSHS-B98-2-6 (3.5)	Total/NA	Solid	5035	
180-35776-51	SSHS-B98-10-12 (12)	Total/NA	Solid	5035	
180-35776-52	SSHS-B97-SS	Total/NA	Solid	5035	
180-35776-53	SSHS-B97-0.17-2 (1)	Total/NA	Solid	5035	
180-35776-54	SSHS-B97-2-6 (5)	Total/NA	Solid	5035	
180-35776-55	SSHS-B97-6-10 (8)	Total/NA	Solid	5035	
180-35776-56	SSHS-B97-10-16 (13)	Total/NA	Solid	5035	
180-35776-57	SSHS-B29-A-SS	Total/NA	Solid	5035	
LCS 180-114996/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-114996/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-48	SSHS-B98-0.17-2 (1)	Total/NA	Solid	8260C	115034
180-35776-58	SSHS-B29-A-0.17-2 (1.5)	Total/NA	Solid	8260C	115034
180-35776-59	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	8260C	115034
180-35776-60	SSHS-B29-A-8-10 (8.5)	Total/NA	Solid	8260C	115034
180-35776-61	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	8260C	115034
180-35776-62	DUP-04	Total/NA	Solid	8260C	115034
180-35776-63	DUP-05	Total/NA	Solid	8260C	115034

QC Association Summary

GC/MS VOA (Continued)

Analysis Batch: 115020 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-64	DUP-06	Total/NA	Solid	8260C	115034
180-35776-65	DUP-07	Total/NA	Solid	8260C	115034
180-35776-66	DUP-08	Total/NA	Solid	8260C	115034
180-35776-67	DUP-09	Total/NA	Solid	8260C	115034
180-35776-68	DUP-10	Total/NA	Solid	8260C	115034
180-35776-76	DUP-11	Total/NA	Solid	8260C	115034
LCS 180-115034/2-A	Lab Control Sample	Total/NA	Solid	8260C	115034
MB 180-115034/1-A	Method Blank	Total/NA	Solid	8260C	115034

Prep Batch: 115034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-48	SSHS-B98-0.17-2 (1)	Total/NA	Solid	5035	
180-35776-58	SSHS-B29-A-0.17-2 (1.5)	Total/NA	Solid	5035	
180-35776-59	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	5035	
180-35776-60	SSHS-B29-A-8-10 (8.5)	Total/NA	Solid	5035	
180-35776-61	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	5035	
180-35776-62	DUP-04	Total/NA	Solid	5035	
180-35776-63	DUP-05	Total/NA	Solid	5035	
180-35776-64	DUP-06	Total/NA	Solid	5035	
180-35776-65	DUP-07	Total/NA	Solid	5035	
180-35776-66	DUP-08	Total/NA	Solid	5035	
180-35776-67	DUP-09	Total/NA	Solid	5035	
180-35776-68	DUP-10	Total/NA	Solid	5035	
180-35776-76	DUP-11	Total/NA	Solid	5035	
LCS 180-115034/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-115034/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-47	SSHS-B98-SS	Total/NA	Solid	8260C	115242
LCS 180-115242/2-A	Lab Control Sample	Total/NA	Solid	8260C	115242
LCSD 180-115242/3-A	Lab Control Sample Dup	Total/NA	Solid	8260C	115242
MB 180-115242/1-A	Method Blank	Total/NA	Solid	8260C	115242

Analysis Batch: 115232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-71	SSHS-B29-A-GW-18-22	Total/NA	Water	8260C	
LCS 180-115232/11	Lab Control Sample	Total/NA	Water	8260C	
LCSD 180-115232/12	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 180-115232/10	Method Blank	Total/NA	Water	8260C	

Prep Batch: 115242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-47	SSHS-B98-SS	Total/NA	Solid	5035	
LCS 180-115242/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 180-115242/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 180-115242/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-70	SSHS-B98-GW-18-22	Total/NA	Water	8260C	

GC/MS VOA (Continued)

Analysis Batch: 115838 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-73	20140813-EQUIPMENT BLANK-GW	Total/NA	Water	8260C	
180-35776-74	20140813-EQUIPMENT BLANK-SOIL	Total/NA	Water	8260C	
180-35776-75	TRIP BLANK	Total/NA	Water	8260C	
LCS 180-115838/10	Lab Control Sample	Total/NA	Water	8260C	
MB 180-115838/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 115910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-69	SSHS-B97-GW-18-22	Total/NA	Water	8260C	
180-35776-72	SSHS-99-GW-17-21	Total/NA	Water	8260C	
LCS 180-115910/8	Lab Control Sample	Total/NA	Water	8260C	
MB 180-115910/5	Method Blank	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 114822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-74	20140813-EQUIPMENT BLANK-SOIL	Total/NA	Water	3520C	
LCS 180-114822/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 180-114822/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 180-114822/1-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 115091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-71	SSHS-B29-A-GW-18-22	Total/NA	Water	3520C	
180-35776-72	SSHS-99-GW-17-21	Total/NA	Water	3520C	
LCS 180-115091/2-A	Lab Control Sample	Total/NA	Water	3520C	
MB 180-115091/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 115189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-74	20140813-EQUIPMENT BLANK-SOIL	Total/NA	Water	8270D LL	114822
LCS 180-114822/2-A	Lab Control Sample	Total/NA	Water	8270D LL	114822
LCSD 180-114822/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	114822
MB 180-114822/1-A	Method Blank	Total/NA	Water	8270D LL	114822

Analysis Batch: 115542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-71	SSHS-B29-A-GW-18-22	Total/NA	Water	8270D LL	115091
180-35776-72	SSHS-99-GW-17-21	Total/NA	Water	8270D LL	115091
LCS 180-115091/2-A	Lab Control Sample	Total/NA	Water	8270D LL	115091
MB 180-115091/1-A	Method Blank	Total/NA	Water	8270D LL	115091

Prep Batch: 115881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-41	SSHS-91-10-15 (12.5)	Total/NA	Solid	3541	
180-35776-42	SSHS-B99-SS	Total/NA	Solid	3541	
180-35776-42 MS	SSHS-B99-SS	Total/NA	Solid	3541	
180-35776-42 MSD	SSHS-B99-SS	Total/NA	Solid	3541	
180-35776-43	SSHS-B99-0.17-2 (1)	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 115881 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-44	SSHS-B99-2-6 (4)	Total/NA	Solid	3541	
180-35776-45	SSHS-B99-6-10 (8)	Total/NA	Solid	3541	
180-35776-46	SSHS-B99-10-14.5 (12)	Total/NA	Solid	3541	
180-35776-47	SSHS-B98-SS	Total/NA	Solid	3541	
180-35776-48	SSHS-B98-0.17-2 (1)	Total/NA	Solid	3541	
180-35776-49	SSHS-B98-6-10 (7.5)	Total/NA	Solid	3541	
180-35776-50	SSHS-B98-2-6 (3.5)	Total/NA	Solid	3541	
180-35776-51	SSHS-B98-10-12 (12)	Total/NA	Solid	3541	
180-35776-52	SSHS-B97-SS	Total/NA	Solid	3541	
180-35776-53	SSHS-B97-0.17-2 (1)	Total/NA	Solid	3541	
LCS 180-115881/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-115881/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 115902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-41	SSHS-91-10-15 (12.5)	Total/NA	Solid	8270D	115881
180-35776-42	SSHS-B99-SS	Total/NA	Solid	8270D	115881
180-35776-42 MS	SSHS-B99-SS	Total/NA	Solid	8270D	115881
180-35776-42 MSD	SSHS-B99-SS	Total/NA	Solid	8270D	115881
180-35776-43	SSHS-B99-0.17-2 (1)	Total/NA	Solid	8270D	115881
180-35776-44	SSHS-B99-2-6 (4)	Total/NA	Solid	8270D	115881
180-35776-45	SSHS-B99-6-10 (8)	Total/NA	Solid	8270D	115881
180-35776-46	SSHS-B99-10-14.5 (12)	Total/NA	Solid	8270D	115881
180-35776-47	SSHS-B98-SS	Total/NA	Solid	8270D	115881
180-35776-48	SSHS-B98-0.17-2 (1)	Total/NA	Solid	8270D	115881
180-35776-49	SSHS-B98-6-10 (7.5)	Total/NA	Solid	8270D	115881
180-35776-50	SSHS-B98-2-6 (3.5)	Total/NA	Solid	8270D	115881
180-35776-51	SSHS-B98-10-12 (12)	Total/NA	Solid	8270D	115881
180-35776-52	SSHS-B97-SS	Total/NA	Solid	8270D	115881
180-35776-53	SSHS-B97-0.17-2 (1)	Total/NA	Solid	8270D	115881
LCS 180-115881/2-A	Lab Control Sample	Total/NA	Solid	8270D	115881
MB 180-115881/1-A	Method Blank	Total/NA	Solid	8270D	115881

Prep Batch: 115980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-54	SSHS-B97-2-6 (5)	Total/NA	Solid	3541	
180-35776-54 MS	SSHS-B97-2-6 (5)	Total/NA	Solid	3541	
180-35776-54 MSD	SSHS-B97-2-6 (5)	Total/NA	Solid	3541	
180-35776-55	SSHS-B97-6-10 (8)	Total/NA	Solid	3541	
180-35776-56	SSHS-B97-10-16 (13)	Total/NA	Solid	3541	
180-35776-57	SSHS-B29-A-SS	Total/NA	Solid	3541	
180-35776-58	SSHS-B29-A-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35776-59	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	3541	
180-35776-60	SSHS-B29-A-8-10 (8.5)	Total/NA	Solid	3541	
180-35776-61	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	3541	
180-35776-62	DUP-04	Total/NA	Solid	3541	
180-35776-63	DUP-05	Total/NA	Solid	3541	
180-35776-64	DUP-06	Total/NA	Solid	3541	
180-35776-65	DUP-07	Total/NA	Solid	3541	
180-35776-66	DUP-08	Total/NA	Solid	3541	
180-35776-67	DUP-09	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 115980 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-68	DUP-10	Total/NA	Solid	3541	
180-35776-76	DUP-11	Total/NA	Solid	3541	
LCS 180-115980/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-115980/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 116054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-54	SSHS-B97-2-6 (5)	Total/NA	Solid	8270D	115980
180-35776-54 MS	SSHS-B97-2-6 (5)	Total/NA	Solid	8270D	115980
180-35776-54 MSD	SSHS-B97-2-6 (5)	Total/NA	Solid	8270D	115980
180-35776-55	SSHS-B97-6-10 (8)	Total/NA	Solid	8270D	115980
180-35776-56	SSHS-B97-10-16 (13)	Total/NA	Solid	8270D	115980
180-35776-57	SSHS-B29-A-SS	Total/NA	Solid	8270D	115980
180-35776-58	SSHS-B29-A-0.17-2 (1.5)	Total/NA	Solid	8270D	115980
180-35776-59	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	8270D	115980
180-35776-60	SSHS-B29-A-8-10 (8.5)	Total/NA	Solid	8270D	115980
180-35776-61	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	8270D	115980
180-35776-62	DUP-04	Total/NA	Solid	8270D	115980
180-35776-63	DUP-05	Total/NA	Solid	8270D	115980
180-35776-64	DUP-06	Total/NA	Solid	8270D	115980
180-35776-65	DUP-07	Total/NA	Solid	8270D	115980
180-35776-66	DUP-08	Total/NA	Solid	8270D	115980
180-35776-67	DUP-09	Total/NA	Solid	8270D	115980
180-35776-68	DUP-10	Total/NA	Solid	8270D	115980
180-35776-76	DUP-11	Total/NA	Solid	8270D	115980
LCS 180-115980/2-A	Lab Control Sample	Total/NA	Solid	8270D	115980
MB 180-115980/1-A	Method Blank	Total/NA	Solid	8270D	115980

GC VOA

Analysis Batch: 143382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-143382/6	Lab Control Sample	Total/NA	Water	8015D	
MB 240-143382/5	Method Blank	Total/NA	Water	8015D	

Analysis Batch: 143606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-71	SSHS-B29-A-GW-18-22	Total/NA	Water	8015D	
180-35776-72	SSHS-99-GW-17-21	Total/NA	Water	8015D	
180-35776-73	20140813-EQUIPMENT BLANK-GW	Total/NA	Water	8015D	
LCS 240-143606/6	Lab Control Sample	Total/NA	Water	8015D	
MB 240-143606/5	Method Blank	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 115137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-71	SSHS-B29-A-GW-18-22	Total/NA	Water	3510C	
180-35776-72	SSHS-99-GW-17-21	Total/NA	Water	3510C	
180-35776-73	20140813-EQUIPMENT BLANK-GW	Total/NA	Water	3510C	

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

GC Semi VOA (Continued)

Prep Batch: 115137 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-74	20140813-EQUIPMENT BLANK-SOIL	Total/NA	Water	3510C	
LCS 180-115137/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 180-115137/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 180-115137/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 180-115137/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 180-115137/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 115424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-74	20140813-EQUIPMENT BLANK-SOIL	Total/NA	Water	8081B_LL	115137
LCS 180-115137/2-A	Lab Control Sample	Total/NA	Water	8081B_LL	115137
LCSD 180-115137/3-A	Lab Control Sample Dup	Total/NA	Water	8081B_LL	115137
MB 180-115137/1-A	Method Blank	Total/NA	Water	8081B_LL	115137

Analysis Batch: 115456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-71	SSHS-B29-A-GW-18-22	Total/NA	Water	8082A	115137
180-35776-72	SSHS-99-GW-17-21	Total/NA	Water	8082A	115137
180-35776-73	20140813-EQUIPMENT BLANK-GW	Total/NA	Water	8082A	115137
180-35776-74	20140813-EQUIPMENT BLANK-SOIL	Total/NA	Water	8082A	115137
LCS 180-115137/4-A	Lab Control Sample	Total/NA	Water	8082A	115137
LCSD 180-115137/5-A	Lab Control Sample Dup	Total/NA	Water	8082A	115137
MB 180-115137/1-A	Method Blank	Total/NA	Water	8082A	115137

Analysis Batch: 115470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-71	SSHS-B29-A-GW-18-22	Total/NA	Water	8082A	115137
180-35776-72	SSHS-99-GW-17-21	Total/NA	Water	8082A	115137
180-35776-73	20140813-EQUIPMENT BLANK-GW	Total/NA	Water	8082A	115137
180-35776-74	20140813-EQUIPMENT BLANK-SOIL	Total/NA	Water	8082A	115137
LCS 180-115137/4-A	Lab Control Sample	Total/NA	Water	8082A	115137
LCSD 180-115137/5-A	Lab Control Sample Dup	Total/NA	Water	8082A	115137
MB 180-115137/1-A	Method Blank	Total/NA	Water	8082A	115137

Prep Batch: 115772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-41	SSHS-91-10-15 (12.5)	Total/NA	Solid	3541	
LCS 180-115772/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCS 180-115772/3-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-115772/1-A	Method Blank	Total/NA	Solid	3541	
MB 180-115772/1-C	Method Blank	Total/NA	Solid	3541	

Prep Batch: 115773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-42	SSHS-B99-SS	Total/NA	Solid	3541	
180-35776-42 MS	SSHS-B99-SS	Total/NA	Solid	3541	
180-35776-42 MS	SSHS-B99-SS	Total/NA	Solid	3541	
180-35776-42 MSD	SSHS-B99-SS	Total/NA	Solid	3541	
180-35776-42 MSD	SSHS-B99-SS	Total/NA	Solid	3541	
180-35776-43	SSHS-B99-0.17-2 (1)	Total/NA	Solid	3541	
180-35776-44	SSHS-B99-2-6 (4)	Total/NA	Solid	3541	

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

GC Semi VOA (Continued)

Prep Batch: 115773 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-45	SSHS-B99-6-10 (8)	Total/NA	Solid	3541	
180-35776-46	SSHS-B99-10-14.5 (12)	Total/NA	Solid	3541	
180-35776-47	SSHS-B98-SS	Total/NA	Solid	3541	
180-35776-48	SSHS-B98-0.17-2 (1)	Total/NA	Solid	3541	
180-35776-49	SSHS-B98-6-10 (7.5)	Total/NA	Solid	3541	
180-35776-50	SSHS-B98-2-6 (3.5)	Total/NA	Solid	3541	
180-35776-51	SSHS-B98-10-12 (12)	Total/NA	Solid	3541	
LCS 180-115773/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCS 180-115773/3-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-115773/1-A	Method Blank	Total/NA	Solid	3541	
MB 180-115773/1-C	Method Blank	Total/NA	Solid	3541	

Prep Batch: 115889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-52	SSHS-B97-SS	Total/NA	Solid	3541	
180-35776-53	SSHS-B97-0.17-2 (1)	Total/NA	Solid	3541	
180-35776-54	SSHS-B97-2-6 (5)	Total/NA	Solid	3541	
180-35776-55	SSHS-B97-6-10 (8)	Total/NA	Solid	3541	
180-35776-55 MS	SSHS-B97-6-10 (8)	Total/NA	Solid	3541	
180-35776-55 MS	SSHS-B97-6-10 (8)	Total/NA	Solid	3541	
180-35776-55 MSD	SSHS-B97-6-10 (8)	Total/NA	Solid	3541	
180-35776-55 MSD	SSHS-B97-6-10 (8)	Total/NA	Solid	3541	
180-35776-56	SSHS-B97-10-16 (13)	Total/NA	Solid	3541	
180-35776-57	SSHS-B29-A-SS	Total/NA	Solid	3541	
180-35776-58	SSHS-B29-A-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35776-59	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	3541	
180-35776-60	SSHS-B29-A-8-10 (8.5)	Total/NA	Solid	3541	
180-35776-61	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	3541	
180-35776-62	DUP-04	Total/NA	Solid	3541	
180-35776-63	DUP-05	Total/NA	Solid	3541	
180-35776-64	DUP-06	Total/NA	Solid	3541	
180-35776-65	DUP-07	Total/NA	Solid	3541	
180-35776-66	DUP-08	Total/NA	Solid	3541	
LCS 180-115889/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCS 180-115889/5-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-115889/1-A	Method Blank	Total/NA	Solid	3541	
MB 180-115889/1-C	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 115917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-41	SSHS-91-10-15 (12.5)	Total/NA	Solid	8081B	115772
LCS 180-115772/2-A	Lab Control Sample	Total/NA	Solid	8081B	115772
MB 180-115772/1-A	Method Blank	Total/NA	Solid	8081B	115772

Cleanup Batch: 115939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-41	SSHS-91-10-15 (12.5)	Total/NA	Solid	3665A	115772
LCS 180-115772/3-C	Lab Control Sample	Total/NA	Solid	3665A	115772
MB 180-115772/1-C	Method Blank	Total/NA	Solid	3665A	115772

GC Semi VOA (Continued)

Cleanup Batch: 115940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-41	SSHS-91-10-15 (12.5)	Total/NA	Solid	3660B	115939
LCS 180-115772/3-C	Lab Control Sample	Total/NA	Solid	3660B	115939
MB 180-115772/1-C	Method Blank	Total/NA	Solid	3660B	115939

Analysis Batch: 115942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-41	SSHS-91-10-15 (12.5)	Total/NA	Solid	8082A	115940
LCS 180-115772/3-C	Lab Control Sample	Total/NA	Solid	8082A	115940
MB 180-115772/1-C	Method Blank	Total/NA	Solid	8082A	115940

Analysis Batch: 115944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-41	SSHS-91-10-15 (12.5)	Total/NA	Solid	8082A	115940
LCS 180-115772/3-C	Lab Control Sample	Total/NA	Solid	8082A	115940
MB 180-115772/1-C	Method Blank	Total/NA	Solid	8082A	115940

Cleanup Batch: 115947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-42	SSHS-B99-SS	Total/NA	Solid	3665A	115773
180-35776-42 MS	SSHS-B99-SS	Total/NA	Solid	3665A	115773
180-35776-42 MSD	SSHS-B99-SS	Total/NA	Solid	3665A	115773
180-35776-43	SSHS-B99-0.17-2 (1)	Total/NA	Solid	3665A	115773
180-35776-44	SSHS-B99-2-6 (4)	Total/NA	Solid	3665A	115773
180-35776-45	SSHS-B99-6-10 (8)	Total/NA	Solid	3665A	115773
180-35776-46	SSHS-B99-10-14.5 (12)	Total/NA	Solid	3665A	115773
180-35776-47	SSHS-B98-SS	Total/NA	Solid	3665A	115773
180-35776-48	SSHS-B98-0.17-2 (1)	Total/NA	Solid	3665A	115773
180-35776-49	SSHS-B98-6-10 (7.5)	Total/NA	Solid	3665A	115773
180-35776-50	SSHS-B98-2-6 (3.5)	Total/NA	Solid	3665A	115773
180-35776-51	SSHS-B98-10-12 (12)	Total/NA	Solid	3665A	115773
LCS 180-115773/3-C	Lab Control Sample	Total/NA	Solid	3665A	115773
MB 180-115773/1-C	Method Blank	Total/NA	Solid	3665A	115773

Cleanup Batch: 115948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-42	SSHS-B99-SS	Total/NA	Solid	3660B	115947
180-35776-42 MS	SSHS-B99-SS	Total/NA	Solid	3660B	115947
180-35776-42 MSD	SSHS-B99-SS	Total/NA	Solid	3660B	115947
180-35776-43	SSHS-B99-0.17-2 (1)	Total/NA	Solid	3660B	115947
180-35776-44	SSHS-B99-2-6 (4)	Total/NA	Solid	3660B	115947
180-35776-45	SSHS-B99-6-10 (8)	Total/NA	Solid	3660B	115947
180-35776-46	SSHS-B99-10-14.5 (12)	Total/NA	Solid	3660B	115947
180-35776-47	SSHS-B98-SS	Total/NA	Solid	3660B	115947
180-35776-48	SSHS-B98-0.17-2 (1)	Total/NA	Solid	3660B	115947
180-35776-49	SSHS-B98-6-10 (7.5)	Total/NA	Solid	3660B	115947
180-35776-50	SSHS-B98-2-6 (3.5)	Total/NA	Solid	3660B	115947
180-35776-51	SSHS-B98-10-12 (12)	Total/NA	Solid	3660B	115947
LCS 180-115773/3-C	Lab Control Sample	Total/NA	Solid	3660B	115947
MB 180-115773/1-C	Method Blank	Total/NA	Solid	3660B	115947

GC Semi VOA (Continued)

Cleanup Batch: 115959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-52	SSHS-B97-SS	Total/NA	Solid	3665A	115889
180-35776-53	SSHS-B97-0.17-2 (1)	Total/NA	Solid	3665A	115889
180-35776-54	SSHS-B97-2-6 (5)	Total/NA	Solid	3665A	115889
180-35776-55	SSHS-B97-6-10 (8)	Total/NA	Solid	3665A	115889
180-35776-55 MS	SSHS-B97-6-10 (8)	Total/NA	Solid	3665A	115889
180-35776-55 MSD	SSHS-B97-6-10 (8)	Total/NA	Solid	3665A	115889
180-35776-56	SSHS-B97-10-16 (13)	Total/NA	Solid	3665A	115889
180-35776-57	SSHS-B29-A-SS	Total/NA	Solid	3665A	115889
180-35776-58	SSHS-B29-A-0.17-2 (1.5)	Total/NA	Solid	3665A	115889
180-35776-59	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	3665A	115889
180-35776-60	SSHS-B29-A-8-10 (8.5)	Total/NA	Solid	3665A	115889
180-35776-61	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	3665A	115889
180-35776-62	DUP-04	Total/NA	Solid	3665A	115889
180-35776-63	DUP-05	Total/NA	Solid	3665A	115889
180-35776-64	DUP-06	Total/NA	Solid	3665A	115889
180-35776-65	DUP-07	Total/NA	Solid	3665A	115889
180-35776-66	DUP-08	Total/NA	Solid	3665A	115889
LCS 180-115889/5-C	Lab Control Sample	Total/NA	Solid	3665A	115889
MB 180-115889/1-C	Method Blank	Total/NA	Solid	3665A	115889

Cleanup Batch: 115960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-52	SSHS-B97-SS	Total/NA	Solid	3660B	115959
180-35776-53	SSHS-B97-0.17-2 (1)	Total/NA	Solid	3660B	115959
180-35776-54	SSHS-B97-2-6 (5)	Total/NA	Solid	3660B	115959
180-35776-55	SSHS-B97-6-10 (8)	Total/NA	Solid	3660B	115959
180-35776-55 MS	SSHS-B97-6-10 (8)	Total/NA	Solid	3660B	115959
180-35776-55 MSD	SSHS-B97-6-10 (8)	Total/NA	Solid	3660B	115959
180-35776-56	SSHS-B97-10-16 (13)	Total/NA	Solid	3660B	115959
180-35776-57	SSHS-B29-A-SS	Total/NA	Solid	3660B	115959
180-35776-58	SSHS-B29-A-0.17-2 (1.5)	Total/NA	Solid	3660B	115959
180-35776-59	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	3660B	115959
180-35776-60	SSHS-B29-A-8-10 (8.5)	Total/NA	Solid	3660B	115959
180-35776-61	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	3660B	115959
180-35776-62	DUP-04	Total/NA	Solid	3660B	115959
180-35776-63	DUP-05	Total/NA	Solid	3660B	115959
180-35776-64	DUP-06	Total/NA	Solid	3660B	115959
180-35776-65	DUP-07	Total/NA	Solid	3660B	115959
180-35776-66	DUP-08	Total/NA	Solid	3660B	115959
LCS 180-115889/5-C	Lab Control Sample	Total/NA	Solid	3660B	115959
MB 180-115889/1-C	Method Blank	Total/NA	Solid	3660B	115959

Analysis Batch: 115965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-42	SSHS-B99-SS	Total/NA	Solid	8082A	115948
180-35776-42 MS	SSHS-B99-SS	Total/NA	Solid	8082A	115948
180-35776-42 MSD	SSHS-B99-SS	Total/NA	Solid	8082A	115948
180-35776-43	SSHS-B99-0.17-2 (1)	Total/NA	Solid	8082A	115948
180-35776-44	SSHS-B99-2-6 (4)	Total/NA	Solid	8082A	115948
180-35776-45	SSHS-B99-6-10 (8)	Total/NA	Solid	8082A	115948
180-35776-46	SSHS-B99-10-14.5 (12)	Total/NA	Solid	8082A	115948

GC Semi VOA (Continued)

Analysis Batch: 115965 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-47	SSHS-B98-SS	Total/NA	Solid	8082A	115948
180-35776-48	SSHS-B98-0.17-2 (1)	Total/NA	Solid	8082A	115948
180-35776-49	SSHS-B98-6-10 (7.5)	Total/NA	Solid	8082A	115948
180-35776-50	SSHS-B98-2-6 (3.5)	Total/NA	Solid	8082A	115948
180-35776-51	SSHS-B98-10-12 (12)	Total/NA	Solid	8082A	115948
180-35776-52	SSHS-B97-SS	Total/NA	Solid	8082A	115960
180-35776-53	SSHS-B97-0.17-2 (1)	Total/NA	Solid	8082A	115960
180-35776-54	SSHS-B97-2-6 (5)	Total/NA	Solid	8082A	115960
180-35776-55	SSHS-B97-6-10 (8)	Total/NA	Solid	8082A	115960
180-35776-55 MS	SSHS-B97-6-10 (8)	Total/NA	Solid	8082A	115960
180-35776-55 MSD	SSHS-B97-6-10 (8)	Total/NA	Solid	8082A	115960
180-35776-56	SSHS-B97-10-16 (13)	Total/NA	Solid	8082A	115960
180-35776-57	SSHS-B29-A-SS	Total/NA	Solid	8082A	115960
180-35776-58	SSHS-B29-A-0.17-2 (1.5)	Total/NA	Solid	8082A	115960
180-35776-59	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	8082A	115960
180-35776-60	SSHS-B29-A-8-10 (8.5)	Total/NA	Solid	8082A	115960
180-35776-61	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	8082A	115960
180-35776-62	DUP-04	Total/NA	Solid	8082A	115960
180-35776-63	DUP-05	Total/NA	Solid	8082A	115960
180-35776-64	DUP-06	Total/NA	Solid	8082A	115960
180-35776-65	DUP-07	Total/NA	Solid	8082A	115960
180-35776-66	DUP-08	Total/NA	Solid	8082A	115960
LCS 180-115773/3-C	Lab Control Sample	Total/NA	Solid	8082A	115948
LCS 180-115889/5-C	Lab Control Sample	Total/NA	Solid	8082A	115960
MB 180-115773/1-C	Method Blank	Total/NA	Solid	8082A	115948
MB 180-115889/1-C	Method Blank	Total/NA	Solid	8082A	115960

Analysis Batch: 115968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-42	SSHS-B99-SS	Total/NA	Solid	8082A	115948
180-35776-42 MS	SSHS-B99-SS	Total/NA	Solid	8082A	115948
180-35776-42 MSD	SSHS-B99-SS	Total/NA	Solid	8082A	115948
180-35776-43	SSHS-B99-0.17-2 (1)	Total/NA	Solid	8082A	115948
180-35776-44	SSHS-B99-2-6 (4)	Total/NA	Solid	8082A	115948
180-35776-45	SSHS-B99-6-10 (8)	Total/NA	Solid	8082A	115948
180-35776-46	SSHS-B99-10-14.5 (12)	Total/NA	Solid	8082A	115948
180-35776-47	SSHS-B98-SS	Total/NA	Solid	8082A	115948
180-35776-48	SSHS-B98-0.17-2 (1)	Total/NA	Solid	8082A	115948
180-35776-49	SSHS-B98-6-10 (7.5)	Total/NA	Solid	8082A	115948
180-35776-50	SSHS-B98-2-6 (3.5)	Total/NA	Solid	8082A	115948
180-35776-51	SSHS-B98-10-12 (12)	Total/NA	Solid	8082A	115948
180-35776-52	SSHS-B97-SS	Total/NA	Solid	8082A	115960
180-35776-53	SSHS-B97-0.17-2 (1)	Total/NA	Solid	8082A	115960
180-35776-54	SSHS-B97-2-6 (5)	Total/NA	Solid	8082A	115960
180-35776-55	SSHS-B97-6-10 (8)	Total/NA	Solid	8082A	115960
180-35776-55 MS	SSHS-B97-6-10 (8)	Total/NA	Solid	8082A	115960
180-35776-55 MSD	SSHS-B97-6-10 (8)	Total/NA	Solid	8082A	115960
180-35776-56	SSHS-B97-10-16 (13)	Total/NA	Solid	8082A	115960
180-35776-57	SSHS-B29-A-SS	Total/NA	Solid	8082A	115960
180-35776-58	SSHS-B29-A-0.17-2 (1.5)	Total/NA	Solid	8082A	115960
180-35776-59	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	8082A	115960

GC Semi VOA (Continued)

Analysis Batch: 115968 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-60	SSHS-B29-A-8-10 (8.5)	Total/NA	Solid	8082A	115960
180-35776-61	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	8082A	115960
180-35776-62	DUP-04	Total/NA	Solid	8082A	115960
180-35776-63	DUP-05	Total/NA	Solid	8082A	115960
180-35776-64	DUP-06	Total/NA	Solid	8082A	115960
180-35776-65	DUP-07	Total/NA	Solid	8082A	115960
180-35776-66	DUP-08	Total/NA	Solid	8082A	115960
LCS 180-115773/3-C	Lab Control Sample	Total/NA	Solid	8082A	115948
LCS 180-115889/5-C	Lab Control Sample	Total/NA	Solid	8082A	115960
MB 180-115773/1-C	Method Blank	Total/NA	Solid	8082A	115948
MB 180-115889/1-C	Method Blank	Total/NA	Solid	8082A	115960

Prep Batch: 116007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-67	DUP-09	Total/NA	Solid	3541	
180-35776-68	DUP-10	Total/NA	Solid	3541	
180-35776-76	DUP-11	Total/NA	Solid	3541	
LCS 180-116007/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCS 180-116007/5-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-116007/1-A	Method Blank	Total/NA	Solid	3541	
MB 180-116007/1-C	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 116038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-42	SSHS-B99-SS	Total/NA	Solid	8081B	115773
180-35776-42 MS	SSHS-B99-SS	Total/NA	Solid	8081B	115773
180-35776-42 MSD	SSHS-B99-SS	Total/NA	Solid	8081B	115773
180-35776-43	SSHS-B99-0.17-2 (1)	Total/NA	Solid	8081B	115773
180-35776-44	SSHS-B99-2-6 (4)	Total/NA	Solid	8081B	115773
180-35776-45	SSHS-B99-6-10 (8)	Total/NA	Solid	8081B	115773
180-35776-46	SSHS-B99-10-14.5 (12)	Total/NA	Solid	8081B	115773
180-35776-47	SSHS-B98-SS	Total/NA	Solid	8081B	115773
180-35776-48	SSHS-B98-0.17-2 (1)	Total/NA	Solid	8081B	115773
180-35776-49	SSHS-B98-6-10 (7.5)	Total/NA	Solid	8081B	115773
180-35776-50	SSHS-B98-2-6 (3.5)	Total/NA	Solid	8081B	115773
180-35776-51	SSHS-B98-10-12 (12)	Total/NA	Solid	8081B	115773
180-35776-52	SSHS-B97-SS	Total/NA	Solid	8081B	115889
180-35776-53	SSHS-B97-0.17-2 (1)	Total/NA	Solid	8081B	115889
180-35776-54	SSHS-B97-2-6 (5)	Total/NA	Solid	8081B	115889
180-35776-55	SSHS-B97-6-10 (8)	Total/NA	Solid	8081B	115889
180-35776-55 MS	SSHS-B97-6-10 (8)	Total/NA	Solid	8081B	115889
180-35776-55 MSD	SSHS-B97-6-10 (8)	Total/NA	Solid	8081B	115889
180-35776-56	SSHS-B97-10-16 (13)	Total/NA	Solid	8081B	115889
180-35776-57	SSHS-B29-A-SS	Total/NA	Solid	8081B	115889
180-35776-58	SSHS-B29-A-0.17-2 (1.5)	Total/NA	Solid	8081B	115889
180-35776-59	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	8081B	115889
180-35776-60	SSHS-B29-A-8-10 (8.5)	Total/NA	Solid	8081B	115889
180-35776-61	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	8081B	115889
180-35776-62	DUP-04	Total/NA	Solid	8081B	115889
180-35776-63	DUP-05	Total/NA	Solid	8081B	115889
180-35776-64	DUP-06	Total/NA	Solid	8081B	115889

GC Semi VOA (Continued)

Analysis Batch: 116038 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-65	DUP-07	Total/NA	Solid	8081B	115889
180-35776-66	DUP-08	Total/NA	Solid	8081B	115889
LCS 180-115773/2-A	Lab Control Sample	Total/NA	Solid	8081B	115773
LCS 180-115889/2-A	Lab Control Sample	Total/NA	Solid	8081B	115889
MB 180-115773/1-A	Method Blank	Total/NA	Solid	8081B	115773
MB 180-115889/1-A	Method Blank	Total/NA	Solid	8081B	115889

Cleanup Batch: 116142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-67	DUP-09	Total/NA	Solid	3665A	116007
180-35776-68	DUP-10	Total/NA	Solid	3665A	116007
180-35776-76	DUP-11	Total/NA	Solid	3665A	116007
LCS 180-116007/5-C	Lab Control Sample	Total/NA	Solid	3665A	116007
MB 180-116007/1-C	Method Blank	Total/NA	Solid	3665A	116007

Cleanup Batch: 116143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-67	DUP-09	Total/NA	Solid	3660B	116142
180-35776-68	DUP-10	Total/NA	Solid	3660B	116142
180-35776-76	DUP-11	Total/NA	Solid	3660B	116142
LCS 180-116007/5-C	Lab Control Sample	Total/NA	Solid	3660B	116142
MB 180-116007/1-C	Method Blank	Total/NA	Solid	3660B	116142

Analysis Batch: 116167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-67	DUP-09	Total/NA	Solid	8082A	116143
180-35776-68	DUP-10	Total/NA	Solid	8082A	116143
180-35776-76	DUP-11	Total/NA	Solid	8082A	116143
LCS 180-116007/5-C	Lab Control Sample	Total/NA	Solid	8082A	116143
MB 180-116007/1-C	Method Blank	Total/NA	Solid	8082A	116143

Analysis Batch: 116170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-67	DUP-09	Total/NA	Solid	8082A	116143
180-35776-68	DUP-10	Total/NA	Solid	8082A	116143
180-35776-76	DUP-11	Total/NA	Solid	8082A	116143
LCS 180-116007/5-C	Lab Control Sample	Total/NA	Solid	8082A	116143
MB 180-116007/1-C	Method Blank	Total/NA	Solid	8082A	116143

Analysis Batch: 116178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-67	DUP-09	Total/NA	Solid	8081B	116007
180-35776-68	DUP-10	Total/NA	Solid	8081B	116007
180-35776-76	DUP-11	Total/NA	Solid	8081B	116007
LCS 180-116007/2-A	Lab Control Sample	Total/NA	Solid	8081B	116007
MB 180-116007/1-A	Method Blank	Total/NA	Solid	8081B	116007

Prep Batch: 143586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-71	SSHS-B29-A-GW-18-22	Total/NA	Water	3520C	
180-35776-72	SSHS-99-GW-17-21	Total/NA	Water	3520C	

GC Semi VOA (Continued)

Prep Batch: 143586 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-73	20140813-EQUIPMENT BLANK-GW	Total/NA	Water	3520C	
LCS 240-143586/8-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-143586/7-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 143747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-71	SSHS-B29-A-GW-18-22	Total/NA	Water	8015D	143586
180-35776-72	SSHS-99-GW-17-21	Total/NA	Water	8015D	143586
180-35776-73	20140813-EQUIPMENT BLANK-GW	Total/NA	Water	8015D	143586
LCS 240-143586/8-A	Lab Control Sample	Total/NA	Water	8015D	143586
MB 240-143586/7-A	Method Blank	Total/NA	Water	8015D	143586

Metals

Prep Batch: 115029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-74	20140813-EQUIPMENT BLANK-SOIL	Total Recoverable	Water	3005A	
180-35776-74 MS	20140813-EQUIPMENT BLANK-SOIL	Total Recoverable	Water	3005A	
180-35776-74 MSD	20140813-EQUIPMENT BLANK-SOIL	Total Recoverable	Water	3005A	
LCS 180-115029/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 180-115029/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 115423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-74	20140813-EQUIPMENT BLANK-SOIL	Total/NA	Water	7470A	
LCS 180-115423/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 180-115423/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
MB 180-115423/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 115465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-41	SSHS-91-10-15 (12.5)	Total/NA	Solid	3050B	
180-35776-42	SSHS-B99-SS	Total/NA	Solid	3050B	
180-35776-42 MS	SSHS-B99-SS	Total/NA	Solid	3050B	
180-35776-42 MSD	SSHS-B99-SS	Total/NA	Solid	3050B	
180-35776-43	SSHS-B99-0.17-2 (1)	Total/NA	Solid	3050B	
180-35776-44	SSHS-B99-2-6 (4)	Total/NA	Solid	3050B	
180-35776-45	SSHS-B99-6-10 (8)	Total/NA	Solid	3050B	
180-35776-46	SSHS-B99-10-14.5 (12)	Total/NA	Solid	3050B	
180-35776-47	SSHS-B98-SS	Total/NA	Solid	3050B	
180-35776-48	SSHS-B98-0.17-2 (1)	Total/NA	Solid	3050B	
180-35776-49	SSHS-B98-6-10 (7.5)	Total/NA	Solid	3050B	
180-35776-50	SSHS-B98-2-6 (3.5)	Total/NA	Solid	3050B	
180-35776-51	SSHS-B98-10-12 (12)	Total/NA	Solid	3050B	
180-35776-52	SSHS-B97-SS	Total/NA	Solid	3050B	
180-35776-53	SSHS-B97-0.17-2 (1)	Total/NA	Solid	3050B	
LCS 180-115465/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 180-115465/1-A	Method Blank	Total/NA	Solid	3050B	

Metals (Continued)

Analysis Batch: 115556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-74	20140813-EQUIPMENT BLANK-SOIL	Total/NA	Water	7470A	115423
LCS 180-115423/2-A	Lab Control Sample	Total/NA	Water	7470A	115423
LCSD 180-115423/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	115423
MB 180-115423/1-A	Method Blank	Total/NA	Water	7470A	115423

Prep Batch: 115923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-41	SSHS-91-10-15 (12.5)	Total/NA	Solid	7471B	
180-35776-42	SSHS-B99-SS	Total/NA	Solid	7471B	
180-35776-42 MS	SSHS-B99-SS	Total/NA	Solid	7471B	
180-35776-42 MSD	SSHS-B99-SS	Total/NA	Solid	7471B	
180-35776-43	SSHS-B99-0.17-2 (1)	Total/NA	Solid	7471B	
180-35776-44	SSHS-B99-2-6 (4)	Total/NA	Solid	7471B	
180-35776-45	SSHS-B99-6-10 (8)	Total/NA	Solid	7471B	
180-35776-46	SSHS-B99-10-14.5 (12)	Total/NA	Solid	7471B	
180-35776-47	SSHS-B98-SS	Total/NA	Solid	7471B	
180-35776-48	SSHS-B98-0.17-2 (1)	Total/NA	Solid	7471B	
180-35776-49	SSHS-B98-6-10 (7.5)	Total/NA	Solid	7471B	
180-35776-50	SSHS-B98-2-6 (3.5)	Total/NA	Solid	7471B	
180-35776-51	SSHS-B98-10-12 (12)	Total/NA	Solid	7471B	
180-35776-52	SSHS-B97-SS	Total/NA	Solid	7471B	
180-35776-53	SSHS-B97-0.17-2 (1)	Total/NA	Solid	7471B	
180-35776-54	SSHS-B97-2-6 (5)	Total/NA	Solid	7471B	
180-35776-55	SSHS-B97-6-10 (8)	Total/NA	Solid	7471B	
180-35776-56	SSHS-B97-10-16 (13)	Total/NA	Solid	7471B	
180-35776-57	SSHS-B29-A-SS	Total/NA	Solid	7471B	
180-35776-58	SSHS-B29-A-0.17-2 (1.5)	Total/NA	Solid	7471B	
LCS 180-115923/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 180-115923/1-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 115924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-59	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	7471B	
180-35776-59 MS	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	7471B	
180-35776-59 MSD	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	7471B	
180-35776-60	SSHS-B29-A-8-10 (8.5)	Total/NA	Solid	7471B	
180-35776-61	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	7471B	
180-35776-62	DUP-04	Total/NA	Solid	7471B	
180-35776-63	DUP-05	Total/NA	Solid	7471B	
180-35776-64	DUP-06	Total/NA	Solid	7471B	
180-35776-65	DUP-07	Total/NA	Solid	7471B	
180-35776-66	DUP-08	Total/NA	Solid	7471B	
180-35776-67	DUP-09	Total/NA	Solid	7471B	
180-35776-68	DUP-10	Total/NA	Solid	7471B	
180-35776-76	DUP-11	Total/NA	Solid	7471B	
LCS 180-115924/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 180-115924/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 115966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-41	SSHS-91-10-15 (12.5)	Total/NA	Solid	7471B	115923

QC Association Summary

Metals (Continued)

Analysis Batch: 115966 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-42	SSHS-B99-SS	Total/NA	Solid	7471B	115923
180-35776-42 MS	SSHS-B99-SS	Total/NA	Solid	7471B	115923
180-35776-42 MSD	SSHS-B99-SS	Total/NA	Solid	7471B	115923
180-35776-43	SSHS-B99-0.17-2 (1)	Total/NA	Solid	7471B	115923
180-35776-44	SSHS-B99-2-6 (4)	Total/NA	Solid	7471B	115923
180-35776-45	SSHS-B99-6-10 (8)	Total/NA	Solid	7471B	115923
180-35776-46	SSHS-B99-10-14.5 (12)	Total/NA	Solid	7471B	115923
180-35776-47	SSHS-B98-SS	Total/NA	Solid	7471B	115923
180-35776-48	SSHS-B98-0.17-2 (1)	Total/NA	Solid	7471B	115923
180-35776-49	SSHS-B98-6-10 (7.5)	Total/NA	Solid	7471B	115923
180-35776-50	SSHS-B98-2-6 (3.5)	Total/NA	Solid	7471B	115923
180-35776-51	SSHS-B98-10-12 (12)	Total/NA	Solid	7471B	115923
180-35776-52	SSHS-B97-SS	Total/NA	Solid	7471B	115923
180-35776-53	SSHS-B97-0.17-2 (1)	Total/NA	Solid	7471B	115923
180-35776-54	SSHS-B97-2-6 (5)	Total/NA	Solid	7471B	115923
180-35776-55	SSHS-B97-6-10 (8)	Total/NA	Solid	7471B	115923
180-35776-56	SSHS-B97-10-16 (13)	Total/NA	Solid	7471B	115923
180-35776-57	SSHS-B29-A-SS	Total/NA	Solid	7471B	115923
180-35776-58	SSHS-B29-A-0.17-2 (1.5)	Total/NA	Solid	7471B	115923
180-35776-59	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	7471B	115924
180-35776-59 MS	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	7471B	115924
180-35776-59 MSD	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	7471B	115924
180-35776-60	SSHS-B29-A-8-10 (8.5)	Total/NA	Solid	7471B	115924
180-35776-61	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	7471B	115924
180-35776-62	DUP-04	Total/NA	Solid	7471B	115924
180-35776-63	DUP-05	Total/NA	Solid	7471B	115924
180-35776-64	DUP-06	Total/NA	Solid	7471B	115924
180-35776-65	DUP-07	Total/NA	Solid	7471B	115924
180-35776-66	DUP-08	Total/NA	Solid	7471B	115924
180-35776-67	DUP-09	Total/NA	Solid	7471B	115924
180-35776-68	DUP-10	Total/NA	Solid	7471B	115924
180-35776-76	DUP-11	Total/NA	Solid	7471B	115924
LCS 180-115923/2-A	Lab Control Sample	Total/NA	Solid	7471B	115923
LCS 180-115924/2-A	Lab Control Sample	Total/NA	Solid	7471B	115924
MB 180-115923/1-A	Method Blank	Total/NA	Solid	7471B	115923
MB 180-115924/1-A	Method Blank	Total/NA	Solid	7471B	115924

Analysis Batch: 116002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-74	20140813-EQUIPMENT BLANK-SOIL	Total Recoverable	Water	6010C	115029
180-35776-74 MS	20140813-EQUIPMENT BLANK-SOIL	Total Recoverable	Water	6010C	115029
180-35776-74 MSD	20140813-EQUIPMENT BLANK-SOIL	Total Recoverable	Water	6010C	115029
LCS 180-115029/2-A	Lab Control Sample	Total Recoverable	Water	6010C	115029
MB 180-115029/1-A	Method Blank	Total Recoverable	Water	6010C	115029

Prep Batch: 116034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-54	SSHS-B97-2-6 (5)	Total/NA	Solid	3050B	
180-35776-54 MS	SSHS-B97-2-6 (5)	Total/NA	Solid	3050B	
180-35776-54 MSD	SSHS-B97-2-6 (5)	Total/NA	Solid	3050B	
180-35776-55	SSHS-B97-6-10 (8)	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 116034 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-56	SSHS-B97-10-16 (13)	Total/NA	Solid	3050B	
180-35776-57	SSHS-B29-A-SS	Total/NA	Solid	3050B	
180-35776-58	SSHS-B29-A-0.17-2 (1.5)	Total/NA	Solid	3050B	
180-35776-59	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	3050B	
180-35776-60	SSHS-B29-A-8-10 (8.5)	Total/NA	Solid	3050B	
180-35776-61	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	3050B	
180-35776-62	DUP-04	Total/NA	Solid	3050B	
180-35776-63	DUP-05	Total/NA	Solid	3050B	
180-35776-64	DUP-06	Total/NA	Solid	3050B	
180-35776-65	DUP-07	Total/NA	Solid	3050B	
180-35776-66	DUP-08	Total/NA	Solid	3050B	
180-35776-67	DUP-09	Total/NA	Solid	3050B	
180-35776-68	DUP-10	Total/NA	Solid	3050B	
180-35776-76	DUP-11	Total/NA	Solid	3050B	
LCS 180-116034/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 180-116034/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 116214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-41	SSHS-91-10-15 (12.5)	Total/NA	Solid	6010C	115465
180-35776-42	SSHS-B99-SS	Total/NA	Solid	6010C	115465
180-35776-42 MS	SSHS-B99-SS	Total/NA	Solid	6010C	115465
180-35776-42 MSD	SSHS-B99-SS	Total/NA	Solid	6010C	115465
180-35776-43	SSHS-B99-0.17-2 (1)	Total/NA	Solid	6010C	115465
180-35776-44	SSHS-B99-2-6 (4)	Total/NA	Solid	6010C	115465
180-35776-45	SSHS-B99-6-10 (8)	Total/NA	Solid	6010C	115465
180-35776-46	SSHS-B99-10-14.5 (12)	Total/NA	Solid	6010C	115465
180-35776-47	SSHS-B98-SS	Total/NA	Solid	6010C	115465
180-35776-48	SSHS-B98-0.17-2 (1)	Total/NA	Solid	6010C	115465
180-35776-49	SSHS-B98-6-10 (7.5)	Total/NA	Solid	6010C	115465
180-35776-50	SSHS-B98-2-6 (3.5)	Total/NA	Solid	6010C	115465
180-35776-51	SSHS-B98-10-12 (12)	Total/NA	Solid	6010C	115465
180-35776-52	SSHS-B97-SS	Total/NA	Solid	6010C	115465
180-35776-53	SSHS-B97-0.17-2 (1)	Total/NA	Solid	6010C	115465
LCS 180-115465/2-A	Lab Control Sample	Total/NA	Solid	6010C	115465
MB 180-115465/1-A	Method Blank	Total/NA	Solid	6010C	115465

Analysis Batch: 116361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-54	SSHS-B97-2-6 (5)	Total/NA	Solid	6010C	116034
180-35776-54 MS	SSHS-B97-2-6 (5)	Total/NA	Solid	6010C	116034
180-35776-54 MSD	SSHS-B97-2-6 (5)	Total/NA	Solid	6010C	116034
180-35776-55	SSHS-B97-6-10 (8)	Total/NA	Solid	6010C	116034
180-35776-56	SSHS-B97-10-16 (13)	Total/NA	Solid	6010C	116034
180-35776-57	SSHS-B29-A-SS	Total/NA	Solid	6010C	116034
180-35776-58	SSHS-B29-A-0.17-2 (1.5)	Total/NA	Solid	6010C	116034
180-35776-59	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	6010C	116034
180-35776-60	SSHS-B29-A-8-10 (8.5)	Total/NA	Solid	6010C	116034
180-35776-61	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	6010C	116034
180-35776-62	DUP-04	Total/NA	Solid	6010C	116034
180-35776-63	DUP-05	Total/NA	Solid	6010C	116034

Metals (Continued)

Analysis Batch: 116361 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-64	DUP-06	Total/NA	Solid	6010C	116034
180-35776-65	DUP-07	Total/NA	Solid	6010C	116034
180-35776-66	DUP-08	Total/NA	Solid	6010C	116034
180-35776-67	DUP-09	Total/NA	Solid	6010C	116034
180-35776-68	DUP-10	Total/NA	Solid	6010C	116034
180-35776-76	DUP-11	Total/NA	Solid	6010C	116034
LCS 180-116034/2-A	Lab Control Sample	Total/NA	Solid	6010C	116034
MB 180-116034/1-A	Method Blank	Total/NA	Solid	6010C	116034

General Chemistry

Analysis Batch: 114872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-42	SSHS-B99-SS	Total/NA	Solid	2540G	
180-35776-42 DU	SSHS-B99-SS	Total/NA	Solid	2540G	

Analysis Batch: 114879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-41	SSHS-91-10-15 (12.5)	Total/NA	Solid	2540G	
180-35776-43	SSHS-B99-0.17-2 (1)	Total/NA	Solid	2540G	
180-35776-44	SSHS-B99-2-6 (4)	Total/NA	Solid	2540G	
180-35776-44 DU	SSHS-B99-2-6 (4)	Total/NA	Solid	2540G	
180-35776-45	SSHS-B99-6-10 (8)	Total/NA	Solid	2540G	
180-35776-46	SSHS-B99-10-14.5 (12)	Total/NA	Solid	2540G	
180-35776-47	SSHS-B98-SS	Total/NA	Solid	2540G	
180-35776-48	SSHS-B98-0.17-2 (1)	Total/NA	Solid	2540G	
180-35776-49	SSHS-B98-6-10 (7.5)	Total/NA	Solid	2540G	
180-35776-50	SSHS-B98-2-6 (3.5)	Total/NA	Solid	2540G	
180-35776-51	SSHS-B98-10-12 (12)	Total/NA	Solid	2540G	
180-35776-52	SSHS-B97-SS	Total/NA	Solid	2540G	
180-35776-53	SSHS-B97-0.17-2 (1)	Total/NA	Solid	2540G	

Analysis Batch: 114884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-54	SSHS-B97-2-6 (5)	Total/NA	Solid	2540G	
180-35776-54 DU	SSHS-B97-2-6 (5)	Total/NA	Solid	2540G	
180-35776-55	SSHS-B97-6-10 (8)	Total/NA	Solid	2540G	
180-35776-56	SSHS-B97-10-16 (13)	Total/NA	Solid	2540G	
180-35776-57	SSHS-B29-A-SS	Total/NA	Solid	2540G	
180-35776-58	SSHS-B29-A-0.17-2 (1.5)	Total/NA	Solid	2540G	
180-35776-59	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	2540G	
180-35776-60	SSHS-B29-A-8-10 (8.5)	Total/NA	Solid	2540G	
180-35776-61	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	2540G	
180-35776-62	DUP-04	Total/NA	Solid	2540G	
180-35776-63	DUP-05	Total/NA	Solid	2540G	
180-35776-64	DUP-06	Total/NA	Solid	2540G	
180-35776-64 DU	DUP-06	Total/NA	Solid	2540G	
180-35776-65	DUP-07	Total/NA	Solid	2540G	
180-35776-66	DUP-08	Total/NA	Solid	2540G	
180-35776-67	DUP-09	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 114884 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-68	DUP-10	Total/NA	Solid	2540G	

Analysis Batch: 114904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-76	DUP-11	Total/NA	Solid	2540G	

Prep Batch: 115467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-41	SSHS-91-10-15 (12.5)	Total/NA	Solid	9010C	
180-35776-41 MS	SSHS-91-10-15 (12.5)	Total/NA	Solid	9010C	
180-35776-43	SSHS-B99-0.17-2 (1)	Total/NA	Solid	9010C	
180-35776-44	SSHS-B99-2-6 (4)	Total/NA	Solid	9010C	
180-35776-45	SSHS-B99-6-10 (8)	Total/NA	Solid	9010C	
180-35776-46	SSHS-B99-10-14.5 (12)	Total/NA	Solid	9010C	
180-35776-47	SSHS-B98-SS	Total/NA	Solid	9010C	
180-35776-48	SSHS-B98-0.17-2 (1)	Total/NA	Solid	9010C	
180-35776-49	SSHS-B98-6-10 (7.5)	Total/NA	Solid	9010C	
180-35776-50	SSHS-B98-2-6 (3.5)	Total/NA	Solid	9010C	
180-35776-51	SSHS-B98-10-12 (12)	Total/NA	Solid	9010C	
HLCS 180-115467/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-115467/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-115467/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-115467/4-A	Method Blank	Total/NA	Solid	9010C	

Analysis Batch: 115506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-41	SSHS-91-10-15 (12.5)	Total/NA	Solid	9014	115467
180-35776-41 MS	SSHS-91-10-15 (12.5)	Total/NA	Solid	9014	115467
180-35776-43	SSHS-B99-0.17-2 (1)	Total/NA	Solid	9014	115467
180-35776-44	SSHS-B99-2-6 (4)	Total/NA	Solid	9014	115467
180-35776-45	SSHS-B99-6-10 (8)	Total/NA	Solid	9014	115467
180-35776-46	SSHS-B99-10-14.5 (12)	Total/NA	Solid	9014	115467
180-35776-47	SSHS-B98-SS	Total/NA	Solid	9014	115467
180-35776-48	SSHS-B98-0.17-2 (1)	Total/NA	Solid	9014	115467
180-35776-49	SSHS-B98-6-10 (7.5)	Total/NA	Solid	9014	115467
180-35776-50	SSHS-B98-2-6 (3.5)	Total/NA	Solid	9014	115467
180-35776-51	SSHS-B98-10-12 (12)	Total/NA	Solid	9014	115467
HLCS 180-115467/2-A	Lab Control Sample	Total/NA	Solid	9014	115467
LCS 180-115467/3-A	Lab Control Sample	Total/NA	Solid	9014	115467
LLCS 180-115467/1-A	Lab Control Sample	Total/NA	Solid	9014	115467
MB 180-115467/4-A	Method Blank	Total/NA	Solid	9014	115467

Prep Batch: 115561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-74	20140813-EQUIPMENT BLANK-SOIL	Total/NA	Water	9010C	
HLCS 180-115561/2-A	Lab Control Sample	Total/NA	Water	9010C	
LCS 180-115561/3-A	Lab Control Sample	Total/NA	Water	9010C	
LLCS 180-115561/1-A	Lab Control Sample	Total/NA	Water	9010C	
MB 180-115561/4-A	Method Blank	Total/NA	Water	9010C	

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35776-2

General Chemistry (Continued)

Prep Batch: 115605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-42	SSHS-B99-SS	Total/NA	Solid	9010C	
180-35776-42 MS	SSHS-B99-SS	Total/NA	Solid	9010C	
180-35776-42 MSD	SSHS-B99-SS	Total/NA	Solid	9010C	
180-35776-52	SSHS-B97-SS	Total/NA	Solid	9010C	
180-35776-53	SSHS-B97-0.17-2 (1)	Total/NA	Solid	9010C	
180-35776-54	SSHS-B97-2-6 (5)	Total/NA	Solid	9010C	
180-35776-55	SSHS-B97-6-10 (8)	Total/NA	Solid	9010C	
180-35776-56	SSHS-B97-10-16 (13)	Total/NA	Solid	9010C	
180-35776-57	SSHS-B29-A-SS	Total/NA	Solid	9010C	
180-35776-58	SSHS-B29-A-0.17-2 (1.5)	Total/NA	Solid	9010C	
180-35776-59	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	9010C	
180-35776-60	SSHS-B29-A-8-10 (8.5)	Total/NA	Solid	9010C	
180-35776-61	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	9010C	
180-35776-61 MS	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	9010C	
180-35776-62	DUP-04	Total/NA	Solid	9010C	
180-35776-63	DUP-05	Total/NA	Solid	9010C	
180-35776-64	DUP-06	Total/NA	Solid	9010C	
180-35776-65	DUP-07	Total/NA	Solid	9010C	
180-35776-66	DUP-08	Total/NA	Solid	9010C	
180-35776-67	DUP-09	Total/NA	Solid	9010C	
180-35776-68	DUP-10	Total/NA	Solid	9010C	
HLCS 180-115605/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-115605/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-115605/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-115605/4-A	Method Blank	Total/NA	Solid	9010C	

Analysis Batch: 115631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-42	SSHS-B99-SS	Total/NA	Solid	9014	115605
180-35776-42 MS	SSHS-B99-SS	Total/NA	Solid	9014	115605
180-35776-42 MSD	SSHS-B99-SS	Total/NA	Solid	9014	115605
180-35776-52	SSHS-B97-SS	Total/NA	Solid	9014	115605
180-35776-53	SSHS-B97-0.17-2 (1)	Total/NA	Solid	9014	115605
180-35776-54	SSHS-B97-2-6 (5)	Total/NA	Solid	9014	115605
180-35776-55	SSHS-B97-6-10 (8)	Total/NA	Solid	9014	115605
180-35776-56	SSHS-B97-10-16 (13)	Total/NA	Solid	9014	115605
180-35776-57	SSHS-B29-A-SS	Total/NA	Solid	9014	115605
180-35776-58	SSHS-B29-A-0.17-2 (1.5)	Total/NA	Solid	9014	115605
180-35776-59	SSHS-B29-A-2-6 (4.5)	Total/NA	Solid	9014	115605
180-35776-60	SSHS-B29-A-8-10 (8.5)	Total/NA	Solid	9014	115605
180-35776-61	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	9014	115605
180-35776-61 MS	SSHS-B29-A-10-12 (11.5)	Total/NA	Solid	9014	115605
180-35776-62	DUP-04	Total/NA	Solid	9014	115605
180-35776-63	DUP-05	Total/NA	Solid	9014	115605
180-35776-64	DUP-06	Total/NA	Solid	9014	115605
180-35776-65	DUP-07	Total/NA	Solid	9014	115605
180-35776-66	DUP-08	Total/NA	Solid	9014	115605
180-35776-67	DUP-09	Total/NA	Solid	9014	115605
180-35776-68	DUP-10	Total/NA	Solid	9014	115605
180-35776-74	20140813-EQUIPMENT BLANK-SOIL	Total/NA	Water	9014	115561
HLCS 180-115561/2-A	Lab Control Sample	Total/NA	Water	9014	115561

General Chemistry (Continued)

Analysis Batch: 115631 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
HLCS 180-115605/2-A	Lab Control Sample	Total/NA	Solid	9014	115605
LCS 180-115561/3-A	Lab Control Sample	Total/NA	Water	9014	115561
LCS 180-115605/3-A	Lab Control Sample	Total/NA	Solid	9014	115605
LLCS 180-115561/1-A	Lab Control Sample	Total/NA	Water	9014	115561
LLCS 180-115605/1-A	Lab Control Sample	Total/NA	Solid	9014	115605
MB 180-115561/4-A	Method Blank	Total/NA	Water	9014	115561
MB 180-115605/4-A	Method Blank	Total/NA	Solid	9014	115605

Prep Batch: 115650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-76	DUP-11	Total/NA	Solid	9010C	
HLCS 180-115650/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-115650/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-115650/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-115650/4-A	Method Blank	Total/NA	Solid	9010C	

Analysis Batch: 115748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35776-76	DUP-11	Total/NA	Solid	9014	115650
HLCS 180-115650/2-A	Lab Control Sample	Total/NA	Solid	9014	115650
LCS 180-115650/3-A	Lab Control Sample	Total/NA	Solid	9014	115650
LLCS 180-115650/1-A	Lab Control Sample	Total/NA	Solid	9014	115650
MB 180-115650/4-A	Method Blank	Total/NA	Solid	9014	115650

1 Temp = 3.2 + CF = 3.2 Thermo 5
2 3.1 3.1
3 2.5 2.5
4 1.9 1.9
5 2.3 2.3

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 8 of 8
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10220 Old Columbia Road Suite A	Due Date Requested:
City: Columbia	TAT Requested (days): Normal
State, Zip: MD, 21046	
Phone:	PO #: MN0832
Email: agray@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site - North	Project #: 18013464
Site:	SSOW#:

Analysis Requested

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

Other:

Lab Courier

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B - Metals	Cyanide	8260B - VOCs LL + TICs	8270D - SVOCs LL + TICs	8082/8081 PCBs/PEST	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
55HS-B86-0.17-2 (1.5)	8/13/14	1458	C/G	S			X	X	X	X	X		5 Coolers
55HS-B86-2-6 (3.5)	8/13/14	1503	C/G	S			X	X	X	X	X		
55HS-B86-6-10 (8)	8/13/14	1515	C/G	S			X	X	X	X	X		
55HS-B86-6-10 (8) MS/MSD	8/13/14	1515	C/G	S		Y	X	X	X	X	X		
55HS-B86-10-15 (12.5)	8/13/14	1522	C/G	S			X	X	X	X	X		
55HS-B88-0.17-2 (1)	8/13/14	1333	C/G	S			X	X	X	X	X		
55HS-B88-2-6 (4)	8/13/14	1340	C/G	S			X	X	X	X	X		
55HS-B88-6-10 (8)	8/13/14	1345	C/G	S			X	X	X	X	X		
55HS-B88-10-15 (12.5)	8/13/14	1355	C/G	S			X	X	X	X	X		
55HS-B89-0.17-2 (1)	8/13/14	1410	C/G	S			X	X	X	X	X		
55HS-B89-2-6 (5)	8/13/14	1418	C/G	S			X	X	X	X	X		

180-35776 Chain of Custody

Possible Hazard Identification (13)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 8/14/13 0700	Company: Geosyntec	Received by: Chad Kennedy	Date/Time: 8/14/14 7:00	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/14/14 1308	Company: TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 2 of 8
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10220 Old Columbia Road Suite A	Due Date Requested:
City: Columbia	TAT Requested (days): Normal
State, Zip: MD, 21046	
Phone:	PO #: MN0832
Email: agray@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site - North	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

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

Other:

Lab Courier

Special Instructions/Note:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B-Metals	Cyanide	8260B-VOCs LLTICs	8270D-SVOCs LLTICs	8082A/8081 PCBs/PEST								Total Number of containers	Special Instructions/Note:
				Preservation Code:																
SSHS-B89-6-10 (7.5)	8/13/14	1424	C/G	S			X	X	X	X	X									
SSHS-B89-10-15 (12.5)	8/13/14	1430	C/G	S			X	X	X	X	X									
SSHS-B82-0.17-2 (1.5)	8/13/14	1650	C/G	S			X	X	X	X	X									
SSHS-B82-2-6 (4)	8/13/14	1658	C/G	S			X	X	X	X	X									
SSHS-B82-2-6 (4) MS/MSD	8/13/14	1658	C/G	S		Y	X	X	X	X	X									
SSHS-B82-6-10 (8)	8/13/14	1708	C/G	S			X	X	X	X	X									
SSHS-B82-10-15 (12.5)	8/13/14	1715	C/G	S			X	X	X	X	X									
SSHS-B83-2-6 (5.5)	8/13/14	1745	C/G	S			X	X	X	X	X									
SSHS-B83-6-10 (8)	8/13/14	1749	C/G	S			X	X	X	X	X									
SSHS-B83-10-14.5 (12)	8/13/14	1754	C/G	S			X	X	X	X	X									
SSHS-B85-0.17-2 (1)	8/13/14	1555	C/G	S			X	X	X	X	X									

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____________ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 8/14/13 0700	Company: Geosyntec	Received by: Edward Kennedy	Date/Time: 8/14/14 7:00	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/14/14 1308	Company: TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 3 of 8
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:

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

Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B - Metals	Cyanide	8260B - VOCs LL + TICs	8270D - SVOCs LL + TICs	8082A/8081/PCBs/PEST	Total Number of containers	Special Instructions/Note: Lab Courier
			Preservation Code:		X	X						X	
SSHS-B85-2-6(3.5)	8/13/14	1603	C/G	S			X	X	X	X	X		
SSHS-B85-6-10 (8)	8/13/14	1610	C/G	S			X	X	X	X	X		
SSHS-B85-10-15(12.5)	8/13/14	1620	C/G	S			X	X	X	X	X		
SSHS-B73-0.17-2(1)	8/13/14	0950	C/G	S			X	X	X	X	X		
SSHS-B73-2-6 (4)	8/13/14	1005	C/G	S			X	X	X	X	X		
SSHS-B73-6-10(8)	8/13/14	1010	C/G	S			X	X	X	X	X		
SSHS-B73-2-6 (4) MS/MSD	8/13/14	1005	C/G	S		Y	X	X	X	X	X		
SSHS-B73-10-15(12.5)	8/13/14	1025	C/G	S			X	X	X	X	X		
SSHS-B74-SS	8/13/14	0900	C/G	S			X	X	X	X	X		
SSHS-B74-0.17-2(1.5)	8/13/14	0909	C/G	S			X	X	X	X	X		
SSHS-B74-2-6(5)	8/13/14	0910	C/G	S			X	X	X	X	X		

Parent

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 8/14/13 0700	Company: Geosyntec	Received by: Chuck Kennedy	Date/Time: 8/14/14 7:00	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/14/14 1308	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler:	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone:	E-Mail: dave.dunlap@testamericainc.com		Page: Page 4 of 8
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10220 Old Columbia Road Suite A
City: Columbia
State, Zip: MD, 21046
Phone:
Email: agray@geosyntec.com
Project Name: Former Sperry Remington Site - North
Site:

Due Date Requested:
TAT Requested (days):
PO #: MN0832
WO #:
Project #: 18013464
SSOW#:

Analysis Requested

Preservation Codes:

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

Other:

Special Instructions/Note: Lab Courier

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B - Metals	Cyanide	8260B - VOCs LL TICs	8270D - VOCs LL TICs	8082A/8081 PCBs/PEST	Total Number of containers
			Preservation Code:									
SSHS-B74-6-10 (7.5)	8/13/14	0920	C/G	S			X	X	X	X	X	
SSHS-B74-10-15 (12.5)	8/13/14	0929	C/G	S			X	X	X	X	X	
SSHS-B90-0.17-2 (1)	8/13/14	1136	C/G	S			X	X	X	X	X	
SSHS-B90-2-6 (4)	8/13/14	1140	C/G	S			X	X	X	X	X	
SSHS-B90-6-10 (9)	8/13/14	1151	C/G	S			X	X	X	X	X	
SSHS-B90-10-15 (13)	8/13/14	1158	C/G	S			X	X	X	X	X	
SSHS-B91-SS	8/13/14	1043	C/G	S			X	X	X	X	X	
SSHS-B91-0.17-2 (1.75)	8/13/14	1047	C/G	S			X	X	X	X	X	
SSHS-B91-2-6 (5)	8/13/14	1053	C/G	S			X	X	X	X	X	
SSHS-B91-6-10 (8)	8/13/14	1100	C/G	S			X	X	X	X	X	
SSHS-B91-10-15 (12.5)	8/13/14	1108	C/G	S			X	X	X	X	X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by:	Date/Time: 8/14/13 0700	Company Geosyntec	Received by: Chuck Kennedy	Date/Time: 8/14/14 7:00	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/14/14 1308	Company TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

Chain of Custody Record

Client Information	Sampler:	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone:	E-Mail: dave.dunlap@testamericainc.com		Page: Page 5 of 8
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10220 Old Columbia Road Suite A
City: Columbia
State, Zip: MD, 21046
Phone:
Email: agray@geosyntec.com
Project Name: Former Sperry Remington Site - North
Site:

Due Date Requested:
TAT Requested (days):
PO #: MN0832
WO #:
Project #: 18013464
SSOW#:

Analysis Requested

Preservation Codes:

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

Other:

Lab Courier

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B Metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082/8081 PCB/PEST	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SSHS-B99-SS	8/13/14	1327	C/G	S			X	X	X	X	X		
SSHS-B99-SS MS/MSD	8/13/14	1327	C/G	S			X	X	X	X	X		
SSHS-B99-0.17-2(1)	8/13/14	1330	C/G	S			X	X	X	X	X		
SSHS-B99-2-6(4)	8/13/14	1339	C/G	S			X	X	X	X	X		
SSHS-B99-6-10(8)	8/13/14	1352	C/G	S			X	X	X	X	X		
SSHS-B99-10-14.5(12)	8/13/14	1405	C/G	S			X	X	X	X	X		
SSHS-B98-SS	8/13/14	1045	C/G	S			X	X	X	X	X		time 1045
SSHS-B98-0.17-2(1)	8/13/14	1049	C/G	S			X	X	X	X	X		time 1049
SSHS-B98-6-10(7.5)	8/13/14	1108	C/G	S			X	X	X	X	X		
SSHS-B98-2-6(3.5)	8/13/14	1056	C/G	S			X	X	X	X	X		
SSHS-B98-10-12(12)	8/13/14	1120	C/G	S			X	X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:	Method of Shipment:	
Relinquished by:	Date/Time: 8/14/13 0700	Company: Geosyntec	Received by:	Date/Time: 8/14/14 7:00	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 8/14/14 1308	Company: TA
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler:	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone:	E-Mail: dave.dunlap@testamericainc.com		Page: Page 6 of 8
Company: Geosyntec Consultants, Inc.				Job #:

Address:
10220 Old Columbia Road Suite A
City:
Columbia
State, Zip:
MD, 21046
Phone:
Email:
agray@geosyntec.com
Project Name:
Former Sperry Remington Site - North
Site:

Due Date Requested:
TAT Requested (days):
PO #:
MN0832
WO #:
Project #:
18013464
SSOW#:

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B - Metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082A/8081 PCBs/PEST									Total Number of containers	Special Instructions/Note:
			Preservation Code:																		Lab Courier
SSHS-B97-SS	8/13/14	0850	C/4	S			X	X	X	X	X										
SSHS-B97-0.17-2 (1)	8/13/14	0854	C/4	S			X	X	X	X	X										
SSHS-B97-2-6 (5)	8/13/14	0859	C/4	S			X	X	X	X	X										
SSHS-B97-6-10 (8)	8/13/14	0952	C/4	S			X	X	X	X	X										
SSHS-B97-10-16 (13)	8/13/14	0959	C/4	S			X	X	X	X	X										
SSHS-B29-A-SS	8/13/14	1508	C/4	S			X	X	X	X	X										
SSHS-B29-A-0.17-2 (1.5)	8/13/14	1509	C/4	S			X	X	X	X	X										
SSHS-B29-A-2-6 (4.5)	8/13/14	1534	C/4	S			X	X	X	X	X										
SSHS-B29-A-8-10 (8.5)	8/13/14	1547	C/4	S			X	X	X	X	X										
SSHS-B29-A-10-12 (11.5)	8/13/14	1609	C/4	S			X	X	X	X	X										
DUP-04	8/13/14	-	C/4	S			X	X	X	X	X										

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by:	Date/Time: 8/14/14 0700	Company Geosyntec	Received by:	Date/Time: 8/14/14 7:00	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/14/14 1308	Company TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact:
Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler:	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone:	E-Mail: dave.dunlap@testamericainc.com		Page: Page 7 of 8
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days):			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Lab Control

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B - Metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082A/8081 PCBs/PEST	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
DUP-05	8/13/14	–	C/4	S			X	X	X	X	X		
DUP-06	8/13/14	–	C/4	S			X	X	X	X	X		
DUP-07	8/13/14	–	C/4	S			X	X	X	X	X		
DUP-08	8/13/14	–	C/4	S			X	X	X	X	X		
DUP-09	8/13/14	–	C/4	S			X	X	X	X	X		
DUP-10	8/13/14	–	C/4	S			X	X	X	X	X		
~~alsoo~~ DUP-11	8/13/14	–	C/4	S			X	~~X~~	~~X~~	~~X~~	~~X~~	DAD 8/14/14	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 8/14/14 0700	Company: Geosyntec	Received by:	Date/Time: 8/14/14 7:00	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/14/14 1308	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information Client Contact: Adam Gray	Sampler: Phone:	Lab PM: Dunlap, David A E-Mail: dave.dunlap@testamericainc.com	Carrier Tracking No(s):	COC No: 180-18661-4775.8 Page: Page 8 of 8 Job #:

Company: Geosyntec Consultants, Inc.
Address: 10220 Old Columbia Road Suite A
City: Columbia
State, Zip: MD, 21046
Phone:
Email: agray@geosyntec.com
Project Name: Former Sperry Remington Site - North
Site:

Due Date Requested:
TAT Requested (days):
PO #: MN0832
WO #:
Project #: 18013464
SSOW#:

Analysis Requested

Preservation Codes:

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

Other: Lab Courier

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B-VOCs LL+TICs	8015D-TPH GRO	8015D-TPH DRO	8082A-PCBs Low Level	8081-PEST Low Level	8270D-SVOCs LL+TICs	6010C/7471B-Metals	Cyanide					Total Number of containers	Special Instructions/Note:
				Preservation Code:																
55HS-B97-GW-18-22	8/13/14	0936	G	W			X													
55HS-B98-GW-18-22	8/13/14	1142	G	W			X													
55HS-B29-A-GW-18-22	8/13/14	1630	G	W			X	X	X	X		X			added per Aran Krausnopda DAD 8/14/14					Potential Product (Petroleum) Droplets in Samples
55HS-B99-GW-17-21	8/13/14	1430	G	W			X	X	X	X		X								
20140813-EQUIPMENT BLANK-GW	8/13/14	1720	G	W			X	X	X	X										
20140813-EQUIPMENT BLANK-SOIL	8/13/14	1720	G	W			X			X	X	X	X	X						
[illegible] TRIP BLANK 8/13/14		—	G	W			X			DAD 8/14/14										

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 8/14/13 0700	Company: Geosyntec	Received by:	Date/Time: 8/14/14 7:00	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/14/14 1308	Company: TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-35776-2

Login Number: 35776

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Kovitch, Christina M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	rec DUP-11, TRIP BLANK not on COC
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

TestAmerica Job ID: 180-35818-1
Client Project/Site: Former Sperry Remington Site - North

For:
Geosyntec Consultants, Inc.
10220 Old Columbia Road
Suite A
Columbia, Maryland 21046

Attn: Mr. Aron Krasnopoler

Authorized for release by:
9/10/2014 1:52:22 PM

David Dunlap, Senior Project Manager
(412)963-2432
dave.dunlap@testamericainc.com

Table of Contents

Job ID: 180-35818-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-35818-1

This report contains the results of the first 40 samples listed on the COCs. The remainder of the samples are reported in laboratory job# 180-35818-2.

Receipt
The samples were received on 8/15/2014 1:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 3.6° C, 3.7° C, 4.4° C, 4.6° C, 5.1° C, and 5.4° C.

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

GC/MS Semi VOA
Method 8270D: The following sample was diluted due to the nature of the sample matrix (viscous extract): SSHS-B66-6-8R (7) (180-35818-7). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The laboratory control sample (LCS) for prep batch 116125 recovered below the control limits for the following analyte: benzaldehyde. Benzaldehyde has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

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

GC Semi VOA
Method 8081B: Several samples contained compounds over the calibration range and required dilution. The surrogates were considered diluted out. Elevated reporting limits (RLs) are provided.

Method 8081B: The recovery of surrogate tetrachloro-m-xylene was above the control limits for sample SSHS-B69-2-4 (4) (180-35818-16) on column MR-1.

Method 8082A: Several samples contained compounds over the calibration range and required dilution. The surrogates were considered diluted out. Elevated reporting limits (RLs) are provided.

Method 8082A: The recovery of surrogate decachlorobiphenyl was above the control limits for sample SSHS-B66-2-4 (3) (180-35818-6) on column RTX-1701.

Method 8082A: The matrix spikes of sample SSHS-B67-2-6 (4.5) (180-35818-9) were diluted out.

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

Metals
Method(s) 6010C: The following sample was diluted to bring the concentration of lead within the linear range of the instrument: SSHS-B69-2-4 (4) (180-35818-16). Elevated reporting limits (RLs) are provided. Antimony was reported from dilution due to interelement corrections associated with lead.

Method(s) 6010C: The following sample was diluted due to the concentration of antimony being below the negative reporting limit (RL): SSHS-B77-10-15 (12.5) (180-35818-40). Elevated reporting limits (RLs) are provided.

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

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

Job ID: 180-35818-1 (Continued)

Laboratory: TestAmerica Pittsburgh (Continued)

Definitions/Glossary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery exceeds the control limits

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
F1	MS and/or MSD Recovery exceeds the control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.
N	Presumptive evidence of material.

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate is outside control limits
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
E	Result exceeded calibration range.
F2	MS/MSD RPD exceeds control limits

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-15
California	State Program	9	2891	03-31-15
Connecticut	State Program	1	PH-0688	09-30-14 *
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	01-31-15
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-15
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-15
North Carolina (WW/SW)	State Program	4	434	12-31-14
Pennsylvania	NELAP	3	02-00416	04-30-15
South Carolina	State Program	4	89014	04-30-15
Texas	NELAP	6	T104704528	03-31-15
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P330-10-00139	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-14 *
West Virginia DEP	State Program	3	142	01-31-15
Wisconsin	State Program	5	998027800	08-31-14 *

* Certification renewal pending - certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-35818-1	SSHS-B65-0.17-2 (1)	Solid	08/14/14 13:10	08/15/14 09:10
180-35818-2	SSHS-B65-4-6 (4)	Solid	08/14/14 13:14	08/15/14 09:10
180-35818-3	SSHS-B65-8-10 (9)	Solid	08/14/14 13:24	08/15/14 09:10
180-35818-4	SSHS-B65-10-12 (11)	Solid	08/14/14 13:31	08/15/14 09:10
180-35818-5	SSHS-B66-0.17-2 (1)	Solid	08/14/14 16:10	08/15/14 09:10
180-35818-6	SSHS-B66-2-4 (3)	Solid	08/14/14 16:23	08/15/14 09:10
180-35818-7	SSHS-B66-6-8R (7)	Solid	08/14/14 16:29	08/15/14 09:10
180-35818-8	SSHS-B67-0.17-2 (1)	Solid	08/14/14 13:47	08/15/14 09:10
180-35818-9	SSHS-B67-2-6 (4.5)	Solid	08/14/14 14:00	08/15/14 09:10
180-35818-10	SSHS-B67-8-10 (9)	Solid	08/14/14 14:15	08/15/14 09:10
180-35818-11	SSHS-B67-10-12 (11)	Solid	08/14/14 14:25	08/15/14 09:10
180-35818-12	SSHS-B68-0.17-2 (1)	Solid	08/14/14 15:28	08/15/14 09:10
180-35818-13	SSHS-B68-2-6 (5.5)	Solid	08/14/14 15:40	08/15/14 09:10
180-35818-14	SSHS-B68-6-8R (6.5)	Solid	08/14/14 15:48	08/15/14 09:10
180-35818-15	SSHS-B69-0.17-2 (1)	Solid	08/14/14 14:58	08/15/14 09:10
180-35818-16	SSHS-B69-2-4 (4)	Solid	08/14/14 15:04	08/15/14 09:10
180-35818-17	SSHS-B69-4-6R (5)	Solid	08/14/14 15:12	08/15/14 09:10
180-35818-18	SSHS-B83-0.17-2 (1)	Solid	08/14/14 08:29	08/15/14 09:10
180-35818-19	SSHS-B84-0.17-2 (1)	Solid	08/14/14 09:48	08/15/14 09:10
180-35818-20	SSHS-B84-2-6 (4)	Solid	08/14/14 10:14	08/15/14 09:10
180-35818-21	SSHS-B84-6-10 (8)	Solid	08/14/14 10:20	08/15/14 09:10
180-35818-22	SSHS-B84-10-14 (12)	Solid	08/14/14 10:30	08/15/14 09:10
180-35818-23	SSHS-B87-0.17-2 (1.5)	Solid	08/14/14 10:59	08/15/14 09:10
180-35818-24	SSHS-B87-2-6 (5)	Solid	08/14/14 11:18	08/15/14 09:10
180-35818-25	SSHS-B87-6-10 (8)	Solid	08/14/14 11:22	08/15/14 09:10
180-35818-26	SSHS-B87-10-15 (12)	Solid	08/14/14 11:28	08/15/14 09:10
180-35818-27	SSHS-B81-0.17-2 (1.5)	Solid	08/14/14 09:00	08/15/14 09:10
180-35818-28	SSHS-B81-2-6 (4)	Solid	08/14/14 09:10	08/15/14 09:10
180-35818-29	SSHS-B81-6-10 (8)	Solid	08/14/14 09:15	08/15/14 09:10
180-35818-30	SSHS-B81-10-13.5 (10.5)	Solid	08/14/14 09:24	08/15/14 09:10
180-35818-31	SSHS-B76-SS	Solid	08/14/14 16:39	08/15/14 09:10
180-35818-32	SSHS-B76-0.17-2 (1.5)	Solid	08/14/14 16:41	08/15/14 09:10
180-35818-33	SSHS-B76-2-6 (5)	Solid	08/14/14 16:43	08/15/14 09:10
180-35818-34	SSHS-B76-6-10 (8)	Solid	08/14/14 16:56	08/15/14 09:10
180-35818-35	SSHS-B76-10-15 (12.5)	Solid	08/14/14 17:04	08/15/14 09:10
180-35818-36	SSHS-B77-SS	Solid	08/14/14 17:25	08/15/14 09:10
180-35818-37	SSHS-B77-0.17-2 (1.5)	Solid	08/14/14 17:31	08/15/14 09:10
180-35818-38	SSHS-B77-2-6 (5)	Solid	08/14/14 17:38	08/15/14 09:10
180-35818-39	SSHS-B77-6-10 (8)	Solid	08/14/14 17:44	08/15/14 09:10
180-35818-40	SSHS-B77-10-15 (12.5)	Solid	08/14/14 17:50	08/15/14 09:10

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PIT
8081B	Organochlorine Pesticides (GC)	SW846	TAL PIT
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
6010C	Metals (ICP)	SW846	TAL PIT
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
9014	Cyanide	SW846	TAL PIT

Protocol References:

SM22 = SM22

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B65-0.17-2 (1)

Date Collected: 08/14/14 13:10
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-1
Matrix: Solid
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7735 g	5 mL	115034	08/18/14 04:22	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.7735 g	5 mL	115020	08/18/14 15:22	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116206	08/27/14 12:03	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.2 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20.0 mL	116178	08/27/14 11:15	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.2 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		10	15.2 g	20.0 mL	116403	08/28/14 16:39	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.2 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		10	15.2 g	20.0 mL	116401	08/28/14 17:11	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.99 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116285	08/27/14 12:01	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 11:54	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.98 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	115631	08/21/14 14:02	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B65-4-6 (4)

Date Collected: 08/14/14 13:14
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-2
Matrix: Solid
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.789 g	5 mL	115168	08/19/14 04:07	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.789 g	5 mL	115162	08/19/14 06:35	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.2 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.2 g	5.0 mL	116206	08/27/14 12:32	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.2 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20.0 mL	116178	08/27/14 11:30	DFE	TAL PIT
	Instrument ID:	CHGC15								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B65-4-6 (4)

Date Collected: 08/14/14 13:14
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-2
Matrix: Solid
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL		15.2 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B	DL	5	15.2 g	20.0 mL	116355	08/28/14 11:43	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.2 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		50	15.2 g	20.0 mL	116403	08/28/14 17:11	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.2 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		50	15.2 g	20.0 mL	116401	08/28/14 17:42	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.98 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.98 g	100 mL	116285	08/27/14 12:06	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 11:56	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.97 g	50 mL	115605	08/21/14 12:25	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.97 g	50 mL	115631	08/21/14 14:02	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B65-8-10 (9)

Date Collected: 08/14/14 13:24
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-3
Matrix: Solid
Percent Solids: 78.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.4544 g	5 mL	115034	08/18/14 04:22	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.4544 g	5 mL	115020	08/18/14 16:07	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116206	08/27/14 13:01	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.1 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116178	08/27/14 11:46	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116167	08/27/14 12:40	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT

Client Sample ID: SSHS-B65-8-10 (9) Lab Sample ID: 180-35818-3

Date Collected: 08/14/14 13:24 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 78.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116170	08/27/14 13:12	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.99 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116285	08/27/14 12:11	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 11:58	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115748	08/22/14 09:45	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B65-10-12 (11) Lab Sample ID: 180-35818-4

Date Collected: 08/14/14 13:31 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 89.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.936 g	5 mL	115168	08/19/14 04:07	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.936 g	5 mL	115162	08/19/14 10:45	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116206	08/27/14 13:31	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.4 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.4 g	20.0 mL	116178	08/27/14 12:02	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.4 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.4 g	20.0 mL	116167	08/27/14 13:12	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.4 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.4 g	20.0 mL	116170	08/27/14 13:44	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.03 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116285	08/27/14 12:16	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT

Client Sample ID: SSHS-B65-10-12 (11)

Date Collected: 08/14/14 13:31
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-4

Matrix: Solid
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:00	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.98 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	115748	08/22/14 09:45	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B66-0.17-2 (1)

Date Collected: 08/14/14 16:10
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-5

Matrix: Solid
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6818 g	5 mL	115168	08/19/14 04:07	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.6818 g	5 mL	115162	08/19/14 11:07	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116206	08/27/14 14:00	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.4 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.4 g	20.0 mL	116178	08/27/14 12:17	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541	DL		15.4 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B	DL	5	15.4 g	20.0 mL	116355	08/28/14 11:58	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.4 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		20	15.4 g	20.0 mL	116403	08/28/14 17:42	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.4 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		20	15.4 g	20.0 mL	116401	08/28/14 18:14	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.00 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.00 g	100 mL	116285	08/27/14 12:21	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:01	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.01 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT

Client Sample ID: SSHS-B66-0.17-2 (1)

Lab Sample ID: 180-35818-5

Date Collected: 08/14/14 16:10

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9014		1	1.01 g	50 mL	115748	08/22/14 09:45	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B66-2-4 (3)

Lab Sample ID: 180-35818-6

Date Collected: 08/14/14 16:23

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.4855 g	5 mL	115168	08/19/14 04:07	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.4855 g	5 mL	115162	08/19/14 11:30	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116206	08/27/14 14:30	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/27/14 12:33	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		20	15.0 g	20.0 mL	116403	08/28/14 18:14	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		20	15.0 g	20.0 mL	116401	08/28/14 18:46	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00000.98 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.98 g	100 mL	116285	08/27/14 12:27	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:03	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.05 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.05 g	50 mL	115748	08/22/14 09:53	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B66-6-8R (7)

Lab Sample ID: 180-35818-7

Date Collected: 08/14/14 16:29

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3782 g	5 mL	115168	08/19/14 04:07	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.3782 g	5 mL	115162	08/19/14 11:52	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		2	15.1 g	5.0 mL	116206	08/27/14 15:00	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.3 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.3 g	20.0 mL	116178	08/27/14 12:48	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.3 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116167	08/27/14 14:48	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.3 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116170	08/27/14 15:20	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.05 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.05 g	100 mL	116285	08/27/14 12:32	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:05	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115748	08/22/14 09:53	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B67-0.17-2 (1)

Lab Sample ID: 180-35818-8

Date Collected: 08/14/14 13:47

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0279 g	5 mL	115168	08/19/14 04:07	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.0279 g	5 mL	115162	08/19/14 12:14	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116206	08/27/14 15:30	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.3 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.3 g	20.0 mL	116178	08/27/14 13:04	DFE	TAL PIT
	Instrument ID:	CHGC15								

Lab Chronicle

Client Sample ID: SSHS-B67-0.17-2 (1)

Lab Sample ID: 180-35818-8

Date Collected: 08/14/14 13:47
Date Received: 08/15/14 09:10
Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541	DL		15.3 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B	DL	20	15.3 g	20.0 mL	116355	08/28/14 12:14	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.3 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		200	15.3 g	20.0 mL	116403	08/28/14 18:46	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.3 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		200	15.3 g	20.0 mL	116401	08/28/14 19:17	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.05 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.05 g	100 mL	116285	08/27/14 12:37	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:06	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.99 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115748	08/22/14 09:53	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B67-2-6 (4.5)

Lab Sample ID: 180-35818-9

Date Collected: 08/14/14 14:00
Date Received: 08/15/14 09:10
Matrix: Solid
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.5274 g	5 mL	115034	08/18/14 04:22	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.5274 g	5 mL	115020	08/18/14 07:09	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116206	08/27/14 15:59	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116178	08/27/14 13:20	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541	DL		15.1 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B	DL	20	15.1 g	20.0 mL	116355	08/28/14 12:29	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B67-2-6 (4.5)

Lab Sample ID: 180-35818-9

Date Collected: 08/14/14 14:00
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		200	15.1 g	20.0 mL	116403	08/28/14 19:17	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		200	15.1 g	20.0 mL	116401	08/28/14 19:49	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.08 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116285	08/27/14 12:53	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:12	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115748	08/22/14 09:53	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B67-8-10 (9)

Lab Sample ID: 180-35818-10

Date Collected: 08/14/14 14:15
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1767 g	5 mL	115168	08/19/14 04:07	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.1767 g	5 mL	115162	08/19/14 12:39	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.2 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.2 g	5.0 mL	116206	08/27/14 17:29	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.2 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20.0 mL	116178	08/27/14 14:06	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.2 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	116167	08/27/14 17:27	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.2 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	116170	08/27/14 17:59	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.97 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT

Client Sample ID: SSHS-B67-8-10 (9)

Date Collected: 08/14/14 14:15
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-10
Matrix: Solid
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	00000.97 g	100 mL	116285	08/27/14 13:28	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:18	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.96 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.96 g	50 mL	115748	08/22/14 09:53	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B67-10-12 (11)

Date Collected: 08/14/14 14:25
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-11
Matrix: Solid
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5733 g	5 mL	115168	08/19/14 04:07	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.5733 g	5 mL	115162	08/19/14 13:01	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116206	08/27/14 17:58	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116178	08/27/14 14:22	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116167	08/27/14 17:59	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.1 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116170	08/27/14 18:31	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.02 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116285	08/27/14 13:33	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:20	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.98 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B67-10-12 (11)

Lab Sample ID: 180-35818-11

Date Collected: 08/14/14 14:25
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9014		1	.98 g	50 mL	115748	08/22/14 09:53	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B68-0.17-2 (1)

Lab Sample ID: 180-35818-12

Date Collected: 08/14/14 15:28
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2446 g	5 mL	115168	08/19/14 04:07	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.2446 g	5 mL	115162	08/19/14 13:23	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116206	08/27/14 18:28	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.1 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116178	08/27/14 14:38	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		5	15.1 g	20.0 mL	116355	08/28/14 13:16	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		100	15.1 g	20.0 mL	116403	08/28/14 20:52	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		100	15.1 g	20.0 mL	116401	08/28/14 21:23	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.99 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116285	08/27/14 13:38	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:21	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115748	08/22/14 09:53	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B68-2-6 (5.5)

Lab Sample ID: 180-35818-13

Date Collected: 08/14/14 15:40
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0732 g	5 mL	115168	08/19/14 04:07	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.0732 g	5 mL	115162	08/19/14 13:46	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116206	08/27/14 18:57	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.2 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20.0 mL	116178	08/27/14 14:53	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541	DL		15.2 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B	DL	5	15.2 g	20.0 mL	116355	08/28/14 13:31	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.2 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		50	15.2 g	20.0 mL	116403	08/28/14 21:23	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.2 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		50	15.2 g	20.0 mL	116401	08/28/14 21:55	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00000.97 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.97 g	100 mL	116285	08/27/14 13:43	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:23	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.97 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.97 g	50 mL	115748	08/22/14 10:00	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B68-6-8R (6.5)

Lab Sample ID: 180-35818-14

Date Collected: 08/14/14 15:48
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7961 g	5 mL	115168	08/19/14 04:07	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.7961 g	5 mL	115162	08/19/14 14:08	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116206	08/27/14 19:26	VVP	TAL PIT
	Instrument ID: CH733									

Client Sample ID: SSHS-B68-6-8R (6.5)

Lab Sample ID: 180-35818-14

Date Collected: 08/14/14 15:48
Date Received: 08/15/14 09:10
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/27/14 15:09	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116167	08/27/14 19:34	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116170	08/27/14 20:05	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00000.98 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.98 g	100 mL	116285	08/27/14 13:48	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:25	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.96 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.96 g	50 mL	115748	08/22/14 10:00	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B69-0.17-2 (1)

Lab Sample ID: 180-35818-15

Date Collected: 08/14/14 14:58
Date Received: 08/15/14 09:10
Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.5412 g	5 mL	115168	08/19/14 04:07	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.5412 g	5 mL	115162	08/19/14 14:31	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116206	08/27/14 19:56	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.3 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.3 g	20.0 mL	116178	08/27/14 15:25	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.3 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116167	08/27/14 20:05	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.3 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT

Lab Chronicle

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B69-0.17-2 (1) Lab Sample ID: 180-35818-15

Date Collected: 08/14/14 14:58 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116170	08/27/14 20:37	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.01 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.01 g	100 mL	116285	08/27/14 14:03	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:26	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115748	08/22/14 10:00	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B69-2-4 (4) Lab Sample ID: 180-35818-16

Date Collected: 08/14/14 15:04 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 83.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9456 g	5 mL	115168	08/19/14 04:07	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.9456 g	5 mL	115162	08/19/14 14:53	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116206	08/27/14 20:25	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.2 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20.0 mL	116178	08/27/14 16:27	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541	DL		15.2 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B	DL	20	15.2 g	20.0 mL	116355	08/28/14 13:47	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.2 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		200	15.2 g	20.0 mL	116403	08/28/14 21:55	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.2 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		200	15.2 g	20.0 mL	116401	08/28/14 22:26	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.95 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT

Client Sample ID: SSHS-B69-2-4 (4)

Lab Sample ID: 180-35818-16

Date Collected: 08/14/14 15:04
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	00000.95 g	100 mL	116285	08/27/14 14:09	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	3050B			00000.95 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT
Total/NA	Analysis	6010C		2	00000.95 g	100 mL	116361	08/28/14 07:44	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:28	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.98 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	115748	08/22/14 10:00	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B69-4-6R (5)

Lab Sample ID: 180-35818-17

Date Collected: 08/14/14 15:12
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.0036 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.0036 g	5 mL	115342	08/20/14 06:11	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116206	08/27/14 20:54	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/27/14 16:42	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541	DL		15.0 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Analysis	8081B	DL	5	15.0 g	20.0 mL	116355	08/28/14 14:03	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		50	15.0 g	20.0 mL	116403	08/28/14 22:26	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116007	08/26/14 07:50	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116142	08/27/14 05:48	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116143	08/27/14 05:50	JMO	TAL PIT
Total/NA	Analysis	8082A		50	15.0 g	20.0 mL	116401	08/28/14 22:58	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.05 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.05 g	100 mL	116285	08/27/14 14:14	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B69-4-6R (5)

Date Collected: 08/14/14 15:12
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-17

Matrix: Solid
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:34	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.95 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.95 g	50 mL	115748	08/22/14 10:00	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B83-0.17-2 (1)

Date Collected: 08/14/14 08:29
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-18

Matrix: Solid
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9791 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.9791 g	5 mL	115342	08/20/14 06:34	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.3 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.3 g	5.0 mL	116206	08/27/14 21:23	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/27/14 20:20	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116167	08/28/14 00:49	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116170	08/28/14 01:20	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.02 g	100 mL	115610	08/21/14 13:02	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116285	08/27/14 14:19	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:35	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.02 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	115748	08/22/14 10:00	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B84-0.17-2 (1)

Lab Sample ID: 180-35818-19

Date Collected: 08/14/14 09:48
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5823 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.5823 g	5 mL	115342	08/20/14 08:31	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116206	08/27/14 21:52	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/27/14 22:10	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116167	08/28/14 02:23	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116170	08/28/14 02:55	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.07 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.07 g	100 mL	116450	08/28/14 12:17	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	3050B			00001.07 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.07 g	100 mL	116527	08/29/14 10:18	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:37	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.04 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	115748	08/22/14 10:00	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B84-2-6 (4)

Lab Sample ID: 180-35818-20

Date Collected: 08/14/14 10:14
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9337 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.9337 g	5 mL	115342	08/20/14 08:53	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116124	08/26/14 18:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116372	08/28/14 12:24	VVP	TAL PIT
	Instrument ID:	CH733								

Lab Chronicle

Client Sample ID: SSHS-B84-2-6 (4)

Lab Sample ID: 180-35818-20

Date Collected: 08/14/14 10:14

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/27/14 22:25	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116167	08/28/14 02:55	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116170	08/28/14 03:26	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.09 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.09 g	100 mL	116450	08/28/14 12:43	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	3050B			00001.09 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.09 g	100 mL	116527	08/29/14 10:44	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116176	08/27/14 09:11	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:39	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.02 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	115748	08/22/14 10:00	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B84-6-10 (8)

Lab Sample ID: 180-35818-21

Date Collected: 08/14/14 10:20

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.3537 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.3537 g	5 mL	115342	08/20/14 09:16	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116273	08/28/14 00:43	SAB	TAL PIT
	Instrument ID:	CH722								
Total/NA	Prep	3541			15.3 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.3 g	20.0 mL	116178	08/27/14 22:41	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.3 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT

Client Sample ID: SSHS-B84-6-10 (8)

Lab Sample ID: 180-35818-21

Date Collected: 08/14/14 10:20
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116167	08/28/14 03:26	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.3 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116170	08/28/14 03:58	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.00 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.00 g	100 mL	116450	08/28/14 12:48	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:44	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.97 g	50 mL	115650	08/22/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.97 g	50 mL	115748	08/22/14 10:00	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B84-10-14 (12)

Lab Sample ID: 180-35818-22

Date Collected: 08/14/14 10:30
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8489 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.8489 g	5 mL	115342	08/20/14 09:38	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.2 g	5.0 mL	116446	08/29/14 08:26	SAB	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/27/14 22:56	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116167	08/28/14 03:58	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116170	08/28/14 04:29	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.09 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B84-10-14 (12)

Lab Sample ID: 180-35818-22

Date Collected: 08/14/14 10:30
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	00001.09 g	100 mL	116450	08/28/14 12:53	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:46	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.99 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	116257	08/27/14 09:53	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B87-0.17-2 (1.5)

Lab Sample ID: 180-35818-23

Date Collected: 08/14/14 10:59
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.1601 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.1601 g	5 mL	115342	08/20/14 10:01	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116273	08/28/14 01:40	SAB	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/27/14 23:12	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116167	08/28/14 04:29	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116170	08/28/14 05:01	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.08 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116450	08/28/14 13:10	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			00001.08 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116527	08/29/14 10:50	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:48	LEM	TAL PIT
	Instrument ID: K									

Client Sample ID: SSHS-B87-0.17-2 (1.5)

Lab Sample ID: 180-35818-23

Date Collected: 08/14/14 10:59
Date Received: 08/15/14 09:10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.03 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	116257	08/27/14 09:53	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B87-2-6 (5)

Lab Sample ID: 180-35818-24

Date Collected: 08/14/14 11:18
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.0742 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.0742 g	5 mL	115342	08/20/14 10:23	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.3 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.3 g	5.0 mL	116273	08/28/14 02:09	SAB	TAL PIT
	Instrument ID:	CH722								
Total/NA	Prep	3541			15.2 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20.0 mL	116178	08/27/14 23:27	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.2 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	116167	08/28/14 05:01	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.2 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	116170	08/28/14 05:32	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.04 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.04 g	100 mL	116450	08/28/14 13:15	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	3050B			00001.04 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.04 g	100 mL	116527	08/29/14 10:55	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:49	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.97 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.97 g	50 mL	116257	08/27/14 09:53	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Lab Chronicle

Client Sample ID: SSHS-B87-6-10 (8)

Lab Sample ID: 180-35818-25

Date Collected: 08/14/14 11:22

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7764 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.7764 g	5 mL	115342	08/20/14 10:46	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116446	08/29/14 08:55	SAB	TAL PIT
	Instrument ID:	CH722								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/27/14 23:43	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116167	08/28/14 05:32	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116170	08/28/14 06:04	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.99 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116450	08/28/14 13:20	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	3050B			00000.99 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116527	08/29/14 11:00	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:55	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.98 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	116257	08/27/14 09:53	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B87-10-15 (12)

Lab Sample ID: 180-35818-26

Date Collected: 08/14/14 11:28

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.6742 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.6742 g	5 mL	115342	08/20/14 11:08	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116273	08/28/14 03:06	SAB	TAL PIT
	Instrument ID:	CH722								

Client Sample ID: SSHS-B87-10-15 (12)

Lab Sample ID: 180-35818-26

Date Collected: 08/14/14 11:28

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/27/14 23:58	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116167	08/28/14 06:04	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116170	08/28/14 06:35	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.06 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.06 g	100 mL	116450	08/28/14 13:25	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:56	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.98 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	116257	08/27/14 10:00	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B81-0.17-2 (1.5)

Lab Sample ID: 180-35818-27

Date Collected: 08/14/14 09:00

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3797 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.3797 g	5 mL	115342	08/20/14 11:30	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116273	08/28/14 03:35	SAB	TAL PIT
	Instrument ID:	CH722								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/28/14 00:14	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116167	08/28/14 06:35	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B81-0.17-2 (1.5)

Lab Sample ID: 180-35818-27

Date Collected: 08/14/14 09:00
Date Received: 08/15/14 09:10
Matrix: Solid
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116170	08/28/14 07:07	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.08 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116450	08/28/14 13:31	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	3050B			00001.08 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116527	08/29/14 11:05	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 12:58	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.00 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	115970	08/25/14 14:25	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B81-2-6 (4)

Lab Sample ID: 180-35818-28

Date Collected: 08/14/14 09:10
Date Received: 08/15/14 09:10
Matrix: Solid
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2074 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.2074 g	5 mL	115342	08/20/14 11:52	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116446	08/29/14 09:23	SAB	TAL PIT
	Instrument ID:	CH722								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/28/14 00:29	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116167	08/28/14 07:07	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116170	08/28/14 07:38	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.03 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT

Client Sample ID: SSHS-B81-2-6 (4)

Lab Sample ID: 180-35818-28

Date Collected: 08/14/14 09:10

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116450	08/28/14 13:36	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			00001.03 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116527	08/29/14 11:21	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:00	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.01 g	50 mL	115799	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	115822	08/23/14 10:45	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B81-6-10 (8)

Lab Sample ID: 180-35818-29

Date Collected: 08/14/14 09:15

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7961 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.7961 g	5 mL	115342	08/20/14 12:15	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116446	08/29/14 09:52	SAB	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/28/14 00:45	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116167	08/28/14 09:13	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116170	08/28/14 09:45	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00000.95 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.95 g	100 mL	116450	08/28/14 13:41	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			00000.95 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.95 g	100 mL	116527	08/29/14 11:26	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT

Client Sample ID: SSHS-B81-6-10 (8) Lab Sample ID: 180-35818-29

Date Collected: 08/14/14 09:15 Matrix: Solid
Date Received: 08/15/14 09:10 Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:01	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.99 g	50 mL	115799	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115822	08/23/14 10:45	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B81-10-13.5 (10.5) Lab Sample ID: 180-35818-30

Date Collected: 08/14/14 09:24 Matrix: Solid
Date Received: 08/15/14 09:10 Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.3999 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.3999 g	5 mL	115342	08/20/14 12:37	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116446	08/29/14 10:21	SAB	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/28/14 01:00	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116167	08/28/14 09:45	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116170	08/28/14 10:16	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.03 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116450	08/28/14 13:46	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			00001.03 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116527	08/29/14 11:32	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:07	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.02 g	50 mL	115799	08/23/14 09:00	PGJ	TAL PIT

Client Sample ID: SSHS-B81-10-13.5 (10.5)

Lab Sample ID: 180-35818-30

Date Collected: 08/14/14 09:24

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9014		1	1.02 g	50 mL	115822	08/23/14 10:45	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B76-SS

Lab Sample ID: 180-35818-31

Date Collected: 08/14/14 16:39

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.1281 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.1281 g	5 mL	115342	08/20/14 12:59	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116273	08/28/14 05:30	SAB	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20.0 mL	116178	08/28/14 01:16	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.2 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	116167	08/28/14 10:16	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.2 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	116170	08/28/14 10:48	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.03 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116450	08/28/14 13:52	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			00001.03 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116527	08/29/14 11:37	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:08	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.99 g	50 mL	115799	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115822	08/23/14 10:45	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Lab Chronicle

Client Sample ID: SSHS-B76-0.17-2 (1.5)

Lab Sample ID: 180-35818-32

Date Collected: 08/14/14 16:41

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9295 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.9295 g	5 mL	115342	08/20/14 13:21	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116446	08/29/14 10:49	SAB	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/28/14 01:31	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116167	08/28/14 10:48	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116170	08/28/14 11:19	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00000.97 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.97 g	100 mL	116450	08/28/14 13:57	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			00000.97 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.97 g	100 mL	116527	08/29/14 11:42	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:10	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.00 g	50 mL	115799	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	115822	08/23/14 10:53	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B76-2-6 (5)

Lab Sample ID: 180-35818-33

Date Collected: 08/14/14 16:43

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6245 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.6245 g	5 mL	115342	08/20/14 13:43	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116446	08/29/14 11:18	SAB	TAL PIT
	Instrument ID: CH722									

Lab Chronicle

Client Sample ID: SSHS-B76-2-6 (5)

Lab Sample ID: 180-35818-33

Date Collected: 08/14/14 16:43
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/28/14 01:47	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116167	08/28/14 11:19	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116170	08/28/14 11:51	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.08 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116450	08/28/14 14:13	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			00001.08 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116527	08/29/14 11:47	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:15	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.97 g	50 mL	115799	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.97 g	50 mL	115822	08/23/14 10:53	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B76-6-10 (8)

Lab Sample ID: 180-35818-34

Date Collected: 08/14/14 16:56
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1621 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.1621 g	5 mL	115342	08/20/14 14:05	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.2 g	5.0 mL	116273	08/28/14 06:55	SAB	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116178	08/28/14 02:02	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT

Client Sample ID: SSHS-B76-6-10 (8) Lab Sample ID: 180-35818-34

Date Collected: 08/14/14 16:56 **Matrix: Solid**

Date Received: 08/15/14 09:10 **Percent Solids: 94.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116167	08/28/14 11:51	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116170	08/28/14 12:23	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.00 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.00 g	100 mL	116450	08/28/14 14:18	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:17	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.03 g	50 mL	115799	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	115822	08/23/14 10:53	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B76-10-15 (12.5) Lab Sample ID: 180-35818-35

Date Collected: 08/14/14 17:04 **Matrix: Solid**

Date Received: 08/15/14 09:10 **Percent Solids: 93.1**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3992 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.3992 g	5 mL	115342	08/20/14 14:27	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116273	08/28/14 07:24	SAB	TAL PIT
	Instrument ID:	CH722								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/28/14 02:18	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116167	08/28/14 12:23	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116170	08/28/14 12:54	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.08 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B76-10-15 (12.5)

Lab Sample ID: 180-35818-35

Date Collected: 08/14/14 17:04

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116450	08/28/14 14:23	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:19	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.98 g	50 mL	115799	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	115822	08/23/14 10:53	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B77-SS

Lab Sample ID: 180-35818-36

Date Collected: 08/14/14 17:25

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.6449 g	5 mL	115538	08/21/14 05:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.6449 g	5 mL	115535	08/21/14 14:32	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116446	08/29/14 12:45	SAB	TAL PIT
	Instrument ID:	CH722								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116178	08/28/14 02:33	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116167	08/28/14 12:54	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116170	08/28/14 13:26	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.08 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116450	08/28/14 14:29	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:21	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.97 g	50 mL	115799	08/23/14 09:00	PGJ	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B77-SS

Lab Sample ID: 180-35818-36

Date Collected: 08/14/14 17:25

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9014		1	.97 g	50 mL	115822	08/23/14 11:32	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B77-0.17-2 (1.5)

Lab Sample ID: 180-35818-37

Date Collected: 08/14/14 17:31

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3896 g	5 mL	115538	08/21/14 05:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.3896 g	5 mL	115535	08/21/14 14:54	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116446	08/29/14 13:14	SAB	TAL PIT
	Instrument ID:	CH722								
Total/NA	Prep	3541			15.3 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.3 g	20.0 mL	116178	08/28/14 02:49	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.3 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116167	08/28/14 13:26	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.3 g	20.0 mL	116127	08/26/14 20:50	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116223	08/27/14 12:41	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116224	08/27/14 12:42	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116170	08/28/14 13:58	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.05 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.05 g	100 mL	116450	08/28/14 14:34	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:22	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.98 g	50 mL	115799	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	115822	08/23/14 10:53	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Lab Chronicle

Client Sample ID: SSHS-B77-2-6 (5)

Lab Sample ID: 180-35818-38

Date Collected: 08/14/14 17:38

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7769 g	5 mL	115538	08/21/14 05:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.7769 g	5 mL	115535	08/21/14 15:17	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.2 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.2 g	5.0 mL	116446	08/29/14 13:43	SAB	TAL PIT
	Instrument ID:	CH722								
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/28/14 14:18	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116627	08/31/14 11:14	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116625	08/31/14 11:46	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.08 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116450	08/28/14 14:40	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	3050B			00001.08 g	100 mL	115611	08/21/14 13:03	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116527	08/29/14 11:53	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:24	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.96 g	50 mL	115799	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.96 g	50 mL	115822	08/23/14 10:53	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B77-6-10 (8)

Lab Sample ID: 180-35818-39

Date Collected: 08/14/14 17:44

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3703 g	5 mL	115538	08/21/14 05:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.3703 g	5 mL	115535	08/21/14 15:39	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116446	08/29/14 14:12	SAB	TAL PIT
	Instrument ID:	CH722								

Lab Chronicle

Client Sample ID: SSHS-B77-6-10 (8)

Lab Sample ID: 180-35818-39

Date Collected: 08/14/14 17:44
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20.0 mL	116355	08/28/14 14:34	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.2 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	116627	08/31/14 11:46	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.2 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	116625	08/31/14 12:17	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00000.99 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116412	08/28/14 10:44	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:26	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.96 g	50 mL	115799	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.96 g	50 mL	115822	08/23/14 10:53	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B77-10-15 (12.5)

Lab Sample ID: 180-35818-40

Date Collected: 08/14/14 17:50
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6517 g	5 mL	115538	08/21/14 05:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.6517 g	5 mL	115535	08/21/14 16:01	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116125	08/26/14 19:45	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116446	08/29/14 14:41	SAB	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/28/14 14:49	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116627	08/31/14 12:17	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B77-10-15 (12.5)
Date Collected: 08/14/14 17:50
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-40
Matrix: Solid
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116625	08/31/14 12:48	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.09 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.09 g	100 mL	116412	08/28/14 10:50	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	3050B			00001.09 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		2	00001.09 g	100 mL	116412	08/28/14 13:03	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116177	08/27/14 09:12	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:27	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.96 g	50 mL	115799	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.96 g	50 mL	115822	08/23/14 10:53	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Analyst References:

Lab: TAL PIT

Batch Type: Cleanup

DFE = David Eppinger

JMO = John Oravec

Batch Type: Prep

CBY = Charles Yushinski

JPM = Jeremy Merriman

KLG = Kathy Gordon

LEM = Lauren McGrath

PGJ = Paul Johnson

SLB = Sandy Becker

Batch Type: Analysis

AJB = Amanda Brunick

AKG = Ashok Gupta

DFE = David Eppinger

KLG = Kathy Gordon

LEM = Lauren McGrath

PGJ = Paul Johnson

RJG = Rob Good

RJR = Ron Rosenbaum

SAB = Sharon Bacha

VVP = Vincent Piccolino

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B65-0.17-2 (1)
Date Collected: 08/14/14 13:10
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-1
Matrix: Solid
Percent Solids: 94.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.6	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Benzene	ND		4.6	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Bromoform	ND		4.6	0.41	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Bromomethane	ND		4.6	0.68	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
2-Butanone (MEK)	ND		4.6	0.81	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Carbon disulfide	ND		4.6	0.47	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Carbon tetrachloride	ND		4.6	0.41	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Chlorobenzene	ND		4.6	0.70	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Chlorobromomethane	ND		4.6	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Chlorodibromomethane	ND		4.6	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Chloroethane	ND		4.6	1.4	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Chloroform	ND		4.6	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Chloromethane	ND		4.6	0.78	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
cis-1,2-Dichloroethene	ND		4.6	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
cis-1,3-Dichloropropene	ND		4.6	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Cyclohexane	ND		4.6	0.34	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
1,2-Dibromo-3-Chloropropane	ND		4.6	0.69	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
1,2-Dibromoethane	ND		4.6	0.79	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
1,2-Dichlorobenzene	ND		4.6	0.73	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
1,3-Dichlorobenzene	ND		4.6	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
1,4-Dichlorobenzene	ND		4.6	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Dichlorobromomethane	ND		4.6	0.52	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Dichlorodifluoromethane	ND		4.6	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
1,1-Dichloroethane	ND		4.6	0.53	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
1,2-Dichloroethane	ND		4.6	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
1,1-Dichloroethene	ND		4.6	0.78	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
1,2-Dichloropropane	ND		4.6	0.50	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
1,4-Dioxane	ND		920	250	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Ethylbenzene	ND		4.6	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
2-Hexanone	ND		4.6	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Isopropylbenzene	ND		4.6	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Methyl acetate	ND		4.6	0.83	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Methylcyclohexane	ND		4.6	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Methylene Chloride	ND		4.6	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Methyl tert-butyl ether	ND		4.6	0.69	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
m-Xylene & p-Xylene	ND		9.2	1.3	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
o-Xylene	ND		4.6	0.72	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Styrene	ND		4.6	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.66	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Tetrachloroethene	ND		4.6	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Toluene	ND		4.6	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
trans-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
trans-1,3-Dichloropropene	ND		4.6	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
1,2,3-Trichlorobenzene	ND		4.6	0.78	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
1,2,4-Trichlorobenzene	ND		4.6	0.81	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
1,1,1-Trichloroethane	ND		4.6	0.45	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
1,1,2-Trichloroethane	ND		4.6	0.76	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Trichloroethene	ND		4.6	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1

Client Sample ID: SSHS-B65-0.17-2 (1) **Lab Sample ID: 180-35818-1**
Date Collected: 08/14/14 13:10 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 94.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.6	0.84	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	0.98	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1
Vinyl chloride	ND		4.6	0.43	ug/Kg	☼	08/18/14 04:22	08/18/14 15:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/18/14 04:22*	*08/18/14 15:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/18/14 04:22*	*08/18/14 15:22*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*08/18/14 04:22*	*08/18/14 15:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*	*08/18/14 04:22*	*08/18/14 15:22*	*1*
Toluene-d8 (Surr)	*104*		*72 - 127*	*08/18/14 04:22*	*08/18/14 15:22*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	6.8	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Acenaphthylene	ND		71	8.1	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Acetophenone	ND		350	29	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Anthracene	ND		71	6.9	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Atrazine	ND		350	34	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Benzo[a]anthracene	ND		71	8.9	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Benzo[a]pyrene	ND		71	7.1	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Benzo[b]fluoranthene	ND		71	11	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Benzo[g,h,i]perylene	ND		71	7.0	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Benzo[k]fluoranthene	ND		71	14	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Bis(2-chloroethyl)ether	ND		71	9.5	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Bis(2-ethylhexyl) phthalate	ND		710	57	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Carbazole	ND		71	6.5	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
2-Chloronaphthalene	ND		71	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Chrysene	ND		71	8.4	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Dibenz(a,h)anthracene	ND		71	7.9	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
2,4-Dichlorophenol	ND		71	7.1	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1

Client Sample Results

Client Sample ID: SSHS-B65-0.17-2 (1)

Lab Sample ID: 180-35818-1

Date Collected: 08/14/14 13:10
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 94.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
2,6-Dinitrotoluene	ND		350	36	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
1,4-Dioxane	ND		710	41	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Fluoranthene	**10**	**J**	71	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Fluorene	ND		71	9.3	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Hexachlorobenzene	ND		71	7.5	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Hexachlorobutadiene	ND		71	7.9	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Indeno[1,2,3-cd]pyrene	ND		71	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Isophorone	ND		350	27	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
2-Methylnaphthalene	**25**	**J**	71	6.4	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Naphthalene	**19**	**J**	71	6.1	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Nitrobenzene	ND		710	29	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
N-Nitrosodi-n-propylamine	ND		71	8.3	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
2,2'-oxybis[1-chloropropane]	ND		71	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Phenanthrene	ND		71	11	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Phenol	ND		71	8.4	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
Pyrene	**11**	**J**	71	7.2	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/26/14 18:45	08/27/14 12:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Substituted Biphenyl	*520*	*T J*	*ug/Kg*	☼	*10.94*		*08/26/14 18:45*	*08/27/14 12:03*	*1*
Unknown Substituted Biphenyl	*280*	*T J*	*ug/Kg*	☼	*11.22*		*08/26/14 18:45*	*08/27/14 12:03*	*1*
Unknown Substituted Biphenyl	*210*	*T J*	*ug/Kg*	☼	*11.27*		*08/26/14 18:45*	*08/27/14 12:03*	*1*
Unknown Substituted Biphenyl	*290*	*T J*	*ug/Kg*	☼	*11.42*		*08/26/14 18:45*	*08/27/14 12:03*	*1*
Unknown Substituted Biphenyl	*200*	*T J*	*ug/Kg*	☼	*11.54*		*08/26/14 18:45*	*08/27/14 12:03*	*1*
Unknown Substituted Biphenyl	*160*	*T J*	*ug/Kg*	☼	*11.77*		*08/26/14 18:45*	*08/27/14 12:03*	*1*
Unknown Substituted Biphenyl	*290*	*T J*	*ug/Kg*	☼	*11.81*		*08/26/14 18:45*	*08/27/14 12:03*	*1*
Unknown Substituted Biphenyl	*420*	*T J*	*ug/Kg*	☼	*11.84*		*08/26/14 18:45*	*08/27/14 12:03*	*1*
Unknown Substituted Biphenyl	*260*	*T J*	*ug/Kg*	☼	*12.02*		*08/26/14 18:45*	*08/27/14 12:03*	*1*
Unknown Substituted Biphenyl	*170*	*T J*	*ug/Kg*	☼	*12.06*		*08/26/14 18:45*	*08/27/14 12:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*08/26/14 18:45*	*08/27/14 12:03*	*1*
2-Fluorophenol (Surr)	*69*		*39 - 103*	*08/26/14 18:45*	*08/27/14 12:03*	*1*
Nitrobenzene-d5 (Surr)	*73*		*25 - 104*	*08/26/14 18:45*	*08/27/14 12:03*	*1*

Client Sample Results

Client Sample ID: SSHS-B65-0.17-2 (1)

Lab Sample ID: 180-35818-1

Date Collected: 08/14/14 13:10
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 94.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*69*		*25 - 105*	*08/26/14 18:45*	*08/27/14 12:03*	*1*
Terphenyl-d14 (Surr)	*72*		*25 - 127*	*08/26/14 18:45*	*08/27/14 12:03*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*35 - 124*	*08/26/14 18:45*	*08/27/14 12:03*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**63**	**p**	1.8	0.31	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
alpha-BHC	ND		1.8	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
alpha-Chlordane	**1.8**	**p**	1.8	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
beta-BHC	**18**	**p**	1.8	0.45	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
4,4'-DDD	**3.4**	**p**	1.8	0.23	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
4,4'-DDE	ND		1.8	0.26	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
4,4'-DDT	**79**		1.8	0.26	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
Dieldrin	**7.2**		1.8	0.29	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
Endosulfan I	**14**		1.8	0.33	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
Endosulfan II	**1.1**	**J p**	1.8	0.31	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
Endosulfan sulfate	**7.3**	**p**	1.8	0.18	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
Endrin	**35**	**p**	1.8	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
Endrin aldehyde	**4.1**	**p**	1.8	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
Endrin ketone	**5.4**	**p**	1.8	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
gamma-BHC (Lindane)	**0.48**	**J p**	1.8	0.31	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
gamma-Chlordane	**160**		1.8	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
Heptachlor	**18**	**p**	1.8	0.39	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
Heptachlor epoxide	**140**	**p**	1.8	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
Methoxychlor	**2.1**	**J p**	3.5	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1
Toxaphene	ND		70	12	ug/Kg	☼	08/26/14 07:50	08/27/14 11:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/26/14 07:50*	*08/27/14 11:15*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/26/14 07:50*	*08/27/14 11:15*	*1*
Tetrachloro-m-xylene	*77*		*45 - 130*	*08/26/14 07:50*	*08/27/14 11:15*	*1*
Tetrachloro-m-xylene	*75*		*45 - 130*	*08/26/14 07:50*	*08/27/14 11:15*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		170	26	ug/Kg	☼	08/26/14 07:50	08/28/14 16:39	10
PCB-1221	ND		170	33	ug/Kg	☼	08/26/14 07:50	08/28/14 16:39	10
PCB-1232	ND		170	30	ug/Kg	☼	08/26/14 07:50	08/28/14 16:39	10
PCB-1242	ND		170	28	ug/Kg	☼	08/26/14 07:50	08/28/14 16:39	10
PCB-1248	**10000**		170	16	ug/Kg	☼	08/26/14 07:50	08/28/14 16:39	10
PCB-1254	ND		170	25	ug/Kg	☼	08/26/14 07:50	08/28/14 16:39	10
PCB-1260	**500**		170	25	ug/Kg	☼	08/26/14 07:50	08/28/14 16:39	10
PCB-1262	ND		170	38	ug/Kg	☼	08/26/14 07:50	08/28/14 16:39	10
PCB-1268	ND		170	22	ug/Kg	☼	08/26/14 07:50	08/28/14 16:39	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 125*	*08/26/14 07:50*	*08/28/14 16:39*	*10*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 125*	*08/26/14 07:50*	*08/28/14 17:11*	*10*
Tetrachloro-m-xylene (Surr)	*77*		*45 - 135*	*08/26/14 07:50*	*08/28/14 16:39*	*10*

Client Sample ID: SSHS-B65-0.17-2 (1)

Lab Sample ID: 180-35818-1

Date Collected: 08/14/14 13:10
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 94.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*	*08/26/14 07:50*	*08/28/14 17:11*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6100**		21	2.2	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Antimony	ND		1.1	0.21	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Arsenic	**5.0**		1.1	0.33	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Barium	**35**		21	0.014	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Beryllium	**0.24**	**J**	0.43	0.012	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Cadmium	**0.091**	**J B**	0.54	0.015	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Calcium	**30000**		540	1.6	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Chromium	**8.0**	**B**	0.54	0.083	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Cobalt	**5.2**	**J**	5.4	0.045	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Copper	**24**		2.7	0.15	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Iron	**14000**		11	0.95	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Lead	**11**		1.1	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Magnesium	**6900**		540	2.2	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Manganese	**390**		1.6	0.095	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Nickel	**17**		4.3	0.051	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Potassium	**490**	**J**	540	6.8	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Selenium	**0.41**	**J**	1.1	0.29	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Silver	ND		0.54	0.043	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Sodium	**120**	**J**	540	1.1	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Thallium	ND		2.1	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Vanadium	**10**	**B**	5.4	0.19	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1
Zinc	**61**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 12:01	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**	**J**	0.034	0.011	mg/Kg	☼	08/27/14 09:11	08/27/14 11:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.7**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**94**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/21/14 12:25	08/21/14 14:02	1

Client Sample ID: SSHS-B65-4-6 (4)

Lab Sample ID: 180-35818-2

Date Collected: 08/14/14 13:14
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.2	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Benzene	ND		4.2	0.56	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Bromoform	ND		4.2	0.37	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Bromomethane	ND		4.2	0.62	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
2-Butanone (MEK)	ND		4.2	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Carbon disulfide	ND		4.2	0.43	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Carbon tetrachloride	ND		4.2	0.37	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35818-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B65-4-6 (4)
Lab Sample ID: 180-35818-2
Date Collected: 08/14/14 13:14
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		4.2	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Chlorobromomethane	ND		4.2	0.58	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Chlorodibromomethane	ND		4.2	0.59	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Chloroethane	ND		4.2	1.3	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Chloroform	ND		4.2	0.49	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Chloromethane	ND		4.2	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
cis-1,2-Dichloroethene	ND		4.2	0.59	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
cis-1,3-Dichloropropene	ND		4.2	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Cyclohexane	ND		4.2	0.31	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
1,2-Dibromo-3-Chloropropane	ND		4.2	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
1,2-Dibromoethane	ND		4.2	0.72	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
1,2-Dichlorobenzene	ND		4.2	0.67	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
1,3-Dichlorobenzene	ND		4.2	0.55	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
1,4-Dichlorobenzene	ND		4.2	0.53	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Dichlorobromomethane	ND		4.2	0.47	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Dichlorodifluoromethane	ND		4.2	0.56	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
1,1-Dichloroethane	ND		4.2	0.48	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
1,2-Dichloroethane	ND		4.2	0.51	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
1,1-Dichloroethene	ND		4.2	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
1,2-Dichloropropane	ND		4.2	0.45	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
1,4-Dioxane	ND		840	230	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Ethylbenzene	ND		4.2	0.54	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
2-Hexanone	ND		4.2	0.58	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Isopropylbenzene	ND		4.2	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Methyl acetate	ND		4.2	0.75	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Methylcyclohexane	ND		4.2	0.61	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Methylene Chloride	ND		4.2	0.56	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.55	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Methyl tert-butyl ether	ND		4.2	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
m-Xylene & p-Xylene	ND		8.4	1.2	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
o-Xylene	ND		4.2	0.65	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Styrene	ND		4.2	0.59	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.60	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Tetrachloroethene	ND		4.2	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Toluene	ND		4.2	0.61	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
trans-1,2-Dichloroethene	ND		4.2	0.50	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
trans-1,3-Dichloropropene	ND		4.2	0.50	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
1,2,3-Trichlorobenzene	ND		4.2	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
1,2,4-Trichlorobenzene	ND		4.2	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
1,1,1-Trichloroethane	ND		4.2	0.41	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
1,1,2-Trichloroethane	ND		4.2	0.69	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Trichloroethene	**1.5**	**J**	4.2	0.55	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Trichlorofluoromethane	ND		4.2	0.77	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.89	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1
Vinyl chloride	ND		4.2	0.39	ug/Kg	☼	08/19/14 04:07	08/19/14 06:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/19/14 04:07*	*08/19/14 06:35*	*1*

Client Sample Results

Client Sample ID: SSHS-B65-4-6 (4)

Lab Sample ID: 180-35818-2
Date Collected: 08/14/14 13:14
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*63 - 120*	*08/19/14 04:07*	*08/19/14 06:35*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*08/19/14 04:07*	*08/19/14 06:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*	*08/19/14 04:07*	*08/19/14 06:35*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/19/14 04:07*	*08/19/14 06:35*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**34**	**J**	75	7.2	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Acenaphthylene	**24**	**J**	75	8.6	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Acetophenone	**72**	**J**	370	31	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Anthracene	**37**	**J**	75	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Atrazine	ND		370	36	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Benzo[a]anthracene	**100**		75	9.4	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Benzo[a]pyrene	**82**		75	7.5	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Benzo[b]fluoranthene	**140**		75	12	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Benzo[g,h,i]perylene	**99**		75	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Benzo[k]fluoranthene	**52**	**J**	75	15	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
1,1'-Biphenyl	**70**	**J**	370	33	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Bis(2-ethylhexyl) phthalate	ND		750	60	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
4-Bromophenyl phenyl ether	ND		370	33	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Carbazole	**25**	**J**	75	6.9	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
2-Chloronaphthalene	ND		75	7.8	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
4-Chlorophenyl phenyl ether	ND		370	42	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Chrysene	**220**		75	8.9	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Dibenz(a,h)anthracene	**39**	**J**	75	8.3	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Dibenzofuran	**160**	**J**	370	37	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
3,3'-Dichlorobenzidine	ND		370	40	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
2,4-Dichlorophenol	ND		75	7.5	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Fluoranthene	**230**		75	8.0	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Fluorene	**60**	**J**	75	9.8	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Hexachlorobenzene	ND		75	8.0	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Hexachlorobutadiene	ND		75	8.4	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1

Client Sample ID: SSHS-B65-4-6 (4)
Date Collected: 08/14/14 13:14
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-2
Matrix: Solid
Percent Solids: 88.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Indeno[1,2,3-cd]pyrene	**65**	**J**	75	7.7	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Isophorone	ND		370	28	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
2-Methylnaphthalene	**500**		75	6.7	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Naphthalene	**300**		75	6.4	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
N-Nitrosodi-n-propylamine	ND		75	8.8	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
2,2'-oxybis[1-chloropropane]	ND		75	8.1	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Phenanthrene	**440**		75	12	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Phenol	ND		75	8.8	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
Pyrene	**180**		75	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/26/14 18:45	08/27/14 12:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*420*	*T J*	*ug/Kg*	☼	*8.32*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Naphthalene	*440*	*T J*	*ug/Kg*	☼	*8.88*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Naphthalene	*710*	*T J*	*ug/Kg*	☼	*8.91*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown	*790*	*T J*	*ug/Kg*	☼	*10.01*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown	*540*	*T J*	*ug/Kg*	☼	*10.34*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Biphenyl	*490*	*T J*	*ug/Kg*	☼	*10.51*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Biphenyl	*2100*	*T J*	*ug/Kg*	☼	*10.93*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Biphenyl	*550*	*T J*	*ug/Kg*	☼	*11.01*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Biphenyl	*680*	*T J*	*ug/Kg*	☼	*11.08*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown	*870*	*T J*	*ug/Kg*	☼	*11.13*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Biphenyl	*1300*	*T J*	*ug/Kg*	☼	*11.21*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Biphenyl	*1100*	*T J*	*ug/Kg*	☼	*11.25*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Biphenyl	*470*	*T J*	*ug/Kg*	☼	*11.28*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Biphenyl	*1200*	*T J*	*ug/Kg*	☼	*11.41*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown	*450*	*T J*	*ug/Kg*	☼	*11.44*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Biphenyl	*600*	*T J*	*ug/Kg*	☼	*11.48*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Biphenyl	*800*	*T J*	*ug/Kg*	☼	*11.53*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Biphenyl	*1200*	*T J*	*ug/Kg*	☼	*11.76*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Biphenyl	*2200*	*T J*	*ug/Kg*	☼	*11.80*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Biphenyl	*2200*	*T J*	*ug/Kg*	☼	*11.83*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Biphenyl	*1800*	*T J*	*ug/Kg*	☼	*12.00*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Biphenyl	*920*	*T J*	*ug/Kg*	☼	*12.05*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Biphenyl	*400*	*T J*	*ug/Kg*	☼	*12.11*		*08/26/14 18:45*	*08/27/14 12:32*	*1*

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

Client Sample ID: SSHS-B65-4-6 (4)
Date Collected: 08/14/14 13:14
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-2
Matrix: Solid
Percent Solids: 88.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Substituted Biphenyl	*440*	*T J*	*ug/Kg*	☼	*12.35*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Biphenyl	*630*	*T J*	*ug/Kg*	☼	*12.45*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown	*540*	*T J*	*ug/Kg*	☼	*12.70*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown Substituted Biphenyl	*790*	*T J*	*ug/Kg*	☼	*12.76*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown	*590*	*T J*	*ug/Kg*	☼	*18.11*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown	*910*	*T J*	*ug/Kg*	☼	*18.39*		*08/26/14 18:45*	*08/27/14 12:32*	*1*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*19.03*		*08/26/14 18:45*	*08/27/14 12:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*08/26/14 18:45*	*08/27/14 12:32*	*1*
2-Fluorophenol (Surr)	*67*		*39 - 103*	*08/26/14 18:45*	*08/27/14 12:32*	*1*
Nitrobenzene-d5 (Surr)	*71*		*25 - 104*	*08/26/14 18:45*	*08/27/14 12:32*	*1*
Phenol-d5 (Surr)	*64*		*25 - 105*	*08/26/14 18:45*	*08/27/14 12:32*	*1*
Terphenyl-d14 (Surr)	*63*		*25 - 127*	*08/26/14 18:45*	*08/27/14 12:32*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*35 - 124*	*08/26/14 18:45*	*08/27/14 12:32*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**1.1**	**J p**	1.9	0.33	ug/Kg	☼	08/26/14 07:50	08/27/14 11:30	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 11:30	1
alpha-Chlordane	**23**	**p**	1.9	0.37	ug/Kg	☼	08/26/14 07:50	08/27/14 11:30	1
beta-BHC	**72**	**p**	1.9	0.48	ug/Kg	☼	08/26/14 07:50	08/27/14 11:30	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/26/14 07:50	08/27/14 11:30	1
4,4'-DDE	**13**	**p**	1.9	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 11:30	1
4,4'-DDT	**71**	**p**	1.9	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 11:30	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/26/14 07:50	08/27/14 11:30	1
Dieldrin	**54**		1.9	0.31	ug/Kg	☼	08/26/14 07:50	08/27/14 11:30	1
Endosulfan I	**76**		1.9	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 11:30	1
Endosulfan II	**19**	**p**	1.9	0.33	ug/Kg	☼	08/26/14 07:50	08/27/14 11:30	1
Endosulfan sulfate	**60**	**p**	1.9	0.19	ug/Kg	☼	08/26/14 07:50	08/27/14 11:30	1
Endrin aldehyde	**69**		1.9	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 11:30	1
Endrin ketone	**46**	**p**	1.9	0.29	ug/Kg	☼	08/26/14 07:50	08/27/14 11:30	1
gamma-BHC (Lindane)	**2.3**	**p**	1.9	0.33	ug/Kg	☼	08/26/14 07:50	08/27/14 11:30	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/26/14 07:50	08/27/14 11:30	1
Methoxychlor	**14**	**p**	3.7	0.39	ug/Kg	☼	08/26/14 07:50	08/27/14 11:30	1
Toxaphene	ND		75	12	ug/Kg	☼	08/26/14 07:50	08/27/14 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 130*	*08/26/14 07:50*	*08/27/14 11:30*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 130*	*08/26/14 07:50*	*08/27/14 11:30*	*1*
Tetrachloro-m-xylene	*75*		*45 - 130*	*08/26/14 07:50*	*08/27/14 11:30*	*1*
Tetrachloro-m-xylene	*71*		*45 - 130*	*08/26/14 07:50*	*08/27/14 11:30*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	**370**	**p**	9.5	1.8	ug/Kg	☼	08/26/14 07:50	08/28/14 11:43	5
gamma-Chlordane	**1200**		9.5	1.8	ug/Kg	☼	08/26/14 07:50	08/28/14 11:43	5
Heptachlor epoxide	**1300**		9.5	1.8	ug/Kg	☼	08/26/14 07:50	08/28/14 11:43	5

Client Sample ID: SSHS-B65-4-6 (4) **Lab Sample ID: 180-35818-2**
Date Collected: 08/14/14 13:14 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 88.1**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*	*08/26/14 07:50*	*08/28/14 11:43*	*5*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*08/26/14 07:50*	*08/28/14 11:43*	*5*
Tetrachloro-m-xylene	*95*		*45 - 130*	*08/26/14 07:50*	*08/28/14 11:43*	*5*
Tetrachloro-m-xylene	*85*		*45 - 130*	*08/26/14 07:50*	*08/28/14 11:43*	*5*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		930	140	ug/Kg	☼	08/26/14 07:50	08/28/14 17:11	50
PCB-1221	ND		930	180	ug/Kg	☼	08/26/14 07:50	08/28/14 17:11	50
PCB-1232	ND		930	160	ug/Kg	☼	08/26/14 07:50	08/28/14 17:11	50
PCB-1242	ND		930	150	ug/Kg	☼	08/26/14 07:50	08/28/14 17:11	50
PCB-1248	**71000**		930	88	ug/Kg	☼	08/26/14 07:50	08/28/14 17:11	50
PCB-1254	ND		930	130	ug/Kg	☼	08/26/14 07:50	08/28/14 17:11	50
PCB-1260	**5400**		930	130	ug/Kg	☼	08/26/14 07:50	08/28/14 17:11	50
PCB-1262	ND		930	200	ug/Kg	☼	08/26/14 07:50	08/28/14 17:11	50
PCB-1268	ND		930	120	ug/Kg	☼	08/26/14 07:50	08/28/14 17:11	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*	*D*	*45 - 125*	*08/26/14 07:50*	*08/28/14 17:11*	*50*
DCB Decachlorobiphenyl (Surr)	*150*	*D X*	*45 - 125*	*08/26/14 07:50*	*08/28/14 17:42*	*50*
Tetrachloro-m-xylene (Surr)	*111*	*D*	*45 - 135*	*08/26/14 07:50*	*08/28/14 17:11*	*50*
Tetrachloro-m-xylene (Surr)	*97*	*D*	*45 - 135*	*08/26/14 07:50*	*08/28/14 17:42*	*50*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3500**		23	2.4	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Antimony	ND		1.2	0.23	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Arsenic	**32**		1.2	0.35	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Barium	**150**		23	0.015	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Beryllium	**0.31**	**J**	0.46	0.013	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Cadmium	ND		0.58	0.017	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Calcium	**9000**		580	1.7	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Chromium	**15**	**B**	0.58	0.089	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Cobalt	**4.3**	**J**	5.8	0.048	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Copper	**65**		2.9	0.17	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Iron	**30000**		12	1.0	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Lead	**78**		1.2	0.12	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Magnesium	**1800**		580	2.4	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Manganese	**300**		1.7	0.10	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Nickel	**67**		4.6	0.055	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Potassium	**870**		580	7.4	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Selenium	**4.9**		1.2	0.31	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Silver	**0.091**	**J**	0.58	0.047	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Sodium	**1000**		580	1.2	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Thallium	**0.83**	**J**	2.3	0.17	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Vanadium	**14**	**B**	5.8	0.20	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1
Zinc	**42**	**B**	2.3	0.12	mg/Kg	☼	08/21/14 13:02	08/27/14 12:06	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.73**		0.037	0.012	mg/Kg	☼	08/27/14 09:11	08/27/14 11:56	1

Client Sample Results

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

Client Sample ID: SSHS-B65-4-6 (4)

Lab Sample ID: 180-35818-2

Date Collected: 08/14/14 13:14

Matrix: Solid

Date Received: 08/15/14 09:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**88**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	**1.4**		0.59	0.17	mg/Kg	☼	08/21/14 12:25	08/21/14 14:02	1

Client Sample ID: SSHS-B65-8-10 (9)

Lab Sample ID: 180-35818-3

Date Collected: 08/14/14 13:24

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 78.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.9	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Benzene	ND		4.9	0.66	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Bromoform	ND		4.9	0.43	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Bromomethane	ND		4.9	0.73	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
2-Butanone (MEK)	ND		4.9	0.87	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Carbon disulfide	ND		4.9	0.50	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Carbon tetrachloride	ND		4.9	0.44	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Chlorobenzene	ND		4.9	0.74	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Chlorobromomethane	ND		4.9	0.68	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Chlorodibromomethane	ND		4.9	0.70	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Chloroethane	ND		4.9	1.5	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Chloroform	ND		4.9	0.57	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Chloromethane	ND		4.9	0.84	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
cis-1,2-Dichloroethene	ND		4.9	0.69	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
cis-1,3-Dichloropropene	ND		4.9	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Cyclohexane	ND		4.9	0.36	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
1,2-Dibromo-3-Chloropropane	ND		4.9	0.74	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
1,2-Dibromoethane	ND		4.9	0.85	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
1,2-Dichlorobenzene	ND		4.9	0.78	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
1,3-Dichlorobenzene	ND		4.9	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
1,4-Dichlorobenzene	ND		4.9	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Dichlorobromomethane	ND		4.9	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Dichlorodifluoromethane	ND		4.9	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
1,1-Dichloroethane	ND		4.9	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
1,2-Dichloroethane	ND		4.9	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
1,1-Dichloroethene	ND		4.9	0.83	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
1,2-Dichloropropane	ND		4.9	0.53	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
1,4-Dioxane	ND		980	270	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Ethylbenzene	ND		4.9	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
2-Hexanone	ND		4.9	0.68	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Isopropylbenzene	ND		4.9	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Methyl acetate	ND		4.9	0.89	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Methylcyclohexane	ND		4.9	0.71	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Methylene Chloride	ND		4.9	0.66	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Methyl tert-butyl ether	ND		4.9	0.73	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
m-Xylene & p-Xylene	ND		9.8	1.4	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
o-Xylene	ND		4.9	0.77	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Styrene	ND		4.9	0.69	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.71	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1

Client Sample Results

Client Sample ID: SSHS-B65-8-10 (9)
Lab Sample ID: 180-35818-3
Date Collected: 08/14/14 13:24
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 78.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		4.9	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Toluene	ND		4.9	0.72	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
trans-1,2-Dichloroethene	ND		4.9	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
trans-1,3-Dichloropropene	ND		4.9	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
1,2,3-Trichlorobenzene	ND		4.9	0.83	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
1,2,4-Trichlorobenzene	ND		4.9	0.87	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
1,1,1-Trichloroethane	ND		4.9	0.48	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
1,1,2-Trichloroethane	ND		4.9	0.82	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Trichloroethene	ND		4.9	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Trichlorofluoromethane	ND		4.9	0.90	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.0	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1
Vinyl chloride	ND		4.9	0.46	ug/Kg	☼	08/18/14 04:22	08/18/14 16:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/18/14 04:22*	*08/18/14 16:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*	*08/18/14 04:22*	*08/18/14 16:07*	*1*
Dibromofluoromethane (Surr)	*107*		*68 - 121*	*08/18/14 04:22*	*08/18/14 16:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*	*08/18/14 04:22*	*08/18/14 16:07*	*1*
Toluene-d8 (Surr)	*109*		*72 - 127*	*08/18/14 04:22*	*08/18/14 16:07*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		85	8.1	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Acenaphthylene	**25**	**J**	85	9.7	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Acetophenone	ND		420	35	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Anthracene	**22**	**J**	85	8.3	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Atrazine	ND		420	41	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Benzaldehyde	ND		420	63	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Benzo[a]anthracene	**81**	**J**	85	11	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Benzo[a]pyrene	**56**	**J**	85	8.5	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Benzo[b]fluoranthene	**77**	**J**	85	13	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Benzo[g,h,i]perylene	**68**	**J**	85	8.4	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Benzo[k]fluoranthene	**29**	**J**	85	17	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
1,1'-Biphenyl	ND		420	38	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Bis(2-chloroethoxy)methane	ND		420	28	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Bis(2-chloroethyl)ether	ND		85	11	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Bis(2-ethylhexyl) phthalate	ND		850	68	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
4-Bromophenyl phenyl ether	ND		420	37	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Butyl benzyl phthalate	ND		420	58	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Caprolactam	ND		2200	320	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Carbazole	ND		85	7.8	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
4-Chloroaniline	ND		420	34	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
4-Chloro-3-methylphenol	ND		420	39	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
2-Chloronaphthalene	ND		85	8.8	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
2-Chlorophenol	ND		420	35	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
4-Chlorophenyl phenyl ether	ND		420	47	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Chrysene	**110**		85	10	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Dibenz(a,h)anthracene	ND		85	9.4	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B65-8-10 (9) Lab Sample ID: 180-35818-3

Date Collected: 08/14/14 13:24 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 78.9**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		420	42	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
3,3'-Dichlorobenzidine	ND		420	45	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
2,4-Dichlorophenol	ND		85	8.5	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Diethyl phthalate	ND		420	46	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
2,4-Dimethylphenol	ND		420	66	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Dimethyl phthalate	ND		420	46	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Di-n-butyl phthalate	ND		420	53	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
4,6-Dinitro-2-methylphenol	ND		2200	170	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
2,4-Dinitrophenol	ND		2200	500	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
2,4-Dinitrotoluene	ND		420	34	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
2,6-Dinitrotoluene	ND		420	44	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Di-n-octyl phthalate	ND		420	45	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
1,4-Dioxane	ND		850	48	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Fluoranthene	**110**		85	9.0	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Fluorene	ND		85	11	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Hexachlorobenzene	ND		85	9.0	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Hexachlorobutadiene	ND		85	9.5	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Hexachlorocyclopentadiene	ND		420	46	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Hexachloroethane	ND		420	30	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Indeno[1,2,3-cd]pyrene	**40**	**J**	85	8.7	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Isophorone	ND		420	32	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
2-Methylnaphthalene	**56**	**J**	85	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
2-Methylphenol	ND		420	30	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Methylphenol, 3 & 4	ND		420	41	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Naphthalene	**45**	**J**	85	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
2-Nitroaniline	ND		2200	190	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
3-Nitroaniline	ND		2200	170	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
4-Nitroaniline	ND		2200	170	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Nitrobenzene	ND		850	35	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
2-Nitrophenol	ND		420	47	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
4-Nitrophenol	ND		2200	150	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
N-Nitrosodi-n-propylamine	ND		85	9.9	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
N-Nitrosodiphenylamine	ND		420	39	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
2,2'-oxybis[1-chloropropane]	ND		85	9.1	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Pentachlorophenol	ND		420	38	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Phenanthrene	**100**		85	13	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Phenol	ND		85	10	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
Pyrene	**97**		85	8.6	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
1,2,4,5-Tetrachlorobenzene	ND		420	32	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
2,3,4,6-Tetrachlorophenol	ND		420	27	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
2,4,5-Trichlorophenol	ND		420	45	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1
2,4,6-Trichlorophenol	ND		420	63	ug/Kg	☼	08/26/14 18:45	08/27/14 13:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*230*	*T J*	*ug/Kg*	☼	*10.02*		*08/26/14 18:45*	*08/27/14 13:01*	*1*
Unknown Straight Chain Alkane	*250*	*T J*	*ug/Kg*	☼	*10.83*		*08/26/14 18:45*	*08/27/14 13:01*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*11.14*		*08/26/14 18:45*	*08/27/14 13:01*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*11.26*		*08/26/14 18:45*	*08/27/14 13:01*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*11.71*		*08/26/14 18:45*	*08/27/14 13:01*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*12.19*		*08/26/14 18:45*	*08/27/14 13:01*	*1*

Client Sample ID: SSHS-B65-8-10 (9)

Lab Sample ID: 180-35818-3

Date Collected: 08/14/14 13:24

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 78.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	460	T J	ug/Kg	☼	12.73		08/26/14 18:45	08/27/14 13:01	1
Unknown	810	T J	ug/Kg	☼	13.14		08/26/14 18:45	08/27/14 13:01	1
Unknown	260	T J	ug/Kg	☼	16.46		08/26/14 18:45	08/27/14 13:01	1
Unknown	190	T J	ug/Kg	☼	16.67		08/26/14 18:45	08/27/14 13:01	1
Unknown	320	T J	ug/Kg	☼	16.74		08/26/14 18:45	08/27/14 13:01	1
Unknown	200	T J	ug/Kg	☼	17.50		08/26/14 18:45	08/27/14 13:01	1
Unknown	300	T J	ug/Kg	☼	17.73		08/26/14 18:45	08/27/14 13:01	1
Unknown	230	T J	ug/Kg	☼	18.13		08/26/14 18:45	08/27/14 13:01	1
Unknown	230	T J	ug/Kg	☼	18.42		08/26/14 18:45	08/27/14 13:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	72		35 - 105	08/26/14 18:45	08/27/14 13:01	1
2-Fluorophenol (Surr)	72		39 - 103	08/26/14 18:45	08/27/14 13:01	1
Nitrobenzene-d5 (Surr)	73		25 - 104	08/26/14 18:45	08/27/14 13:01	1
Phenol-d5 (Surr)	69		25 - 105	08/26/14 18:45	08/27/14 13:01	1
Terphenyl-d14 (Surr)	64		25 - 127	08/26/14 18:45	08/27/14 13:01	1
2,4,6-Tribromophenol (Surr)	81		35 - 124	08/26/14 18:45	08/27/14 13:01	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**0.54**	**J p**	2.1	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
alpha-BHC	ND		2.1	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
alpha-Chlordane	ND		2.1	0.42	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
beta-BHC	**1.7**	**J p**	2.1	0.54	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
4,4'-DDD	**2.1**	**p**	2.1	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
4,4'-DDE	ND		2.1	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
4,4'-DDT	**5.6**	**p**	2.1	0.31	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
delta-BHC	ND		2.1	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
Dieldrin	**1.6**	**J**	2.1	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
Endosulfan I	**2.7**		2.1	0.39	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
Endosulfan II	ND		2.1	0.37	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
Endosulfan sulfate	**2.1**	**p**	2.1	0.22	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
Endrin	**17**	**p**	2.1	0.41	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
Endrin aldehyde	**2.3**		2.1	0.41	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
Endrin ketone	**1.0**	**J p**	2.1	0.33	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
gamma-BHC (Lindane)	ND		2.1	0.37	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
gamma-Chlordane	**12**	**p**	2.1	0.41	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
Heptachlor	**4.0**	**p**	2.1	0.47	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
Heptachlor epoxide	**25**	**p**	2.1	0.41	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
Methoxychlor	**1.9**	**J p**	4.2	0.44	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1
Toxaphene	ND		84	14	ug/Kg	☼	08/26/14 07:50	08/27/14 11:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	73		45 - 130	08/26/14 07:50	08/27/14 11:46	1
DCB Decachlorobiphenyl (Surr)	71		45 - 130	08/26/14 07:50	08/27/14 11:46	1
Tetrachloro-m-xylene	70		45 - 130	08/26/14 07:50	08/27/14 11:46	1
Tetrachloro-m-xylene	68		45 - 130	08/26/14 07:50	08/27/14 11:46	1

Client Sample ID: SSHS-B65-8-10 (9)

Lab Sample ID: 180-35818-3

Date Collected: 08/14/14 13:24
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 78.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	3.1	ug/Kg	☼	08/26/14 07:50	08/27/14 13:12	1
PCB-1221	ND		21	4.0	ug/Kg	☼	08/26/14 07:50	08/27/14 13:12	1
PCB-1232	ND		21	3.6	ug/Kg	☼	08/26/14 07:50	08/27/14 13:12	1
PCB-1242	ND		21	3.4	ug/Kg	☼	08/26/14 07:50	08/27/14 13:12	1
PCB-1248	**2000**		21	2.0	ug/Kg	☼	08/26/14 07:50	08/27/14 13:12	1
PCB-1254	ND		21	3.0	ug/Kg	☼	08/26/14 07:50	08/27/14 13:12	1
PCB-1260	**170**		21	3.0	ug/Kg	☼	08/26/14 07:50	08/27/14 13:12	1
PCB-1262	ND		21	4.6	ug/Kg	☼	08/26/14 07:50	08/27/14 13:12	1
PCB-1268	ND		21	2.7	ug/Kg	☼	08/26/14 07:50	08/27/14 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*63*		*45 - 125*	*08/26/14 07:50*	*08/27/14 12:40*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 125*	*08/26/14 07:50*	*08/27/14 13:12*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*45 - 135*	*08/26/14 07:50*	*08/27/14 12:40*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*45 - 135*	*08/26/14 07:50*	*08/27/14 13:12*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6400**		26	2.7	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Antimony	ND		1.3	0.26	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Arsenic	**63**		1.3	0.39	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Barium	**140**		26	0.016	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Beryllium	**0.22**	**J**	0.51	0.014	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Cadmium	ND		0.64	0.018	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Calcium	**6000**		640	1.9	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Chromium	**14**	**B**	0.64	0.099	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Cobalt	**4.0**	**J**	6.4	0.054	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Copper	**33**		3.2	0.18	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Iron	**42000**		13	1.1	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Lead	**28**		1.3	0.13	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Magnesium	**2500**		640	2.6	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Manganese	**200**		1.9	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Nickel	**35**		5.1	0.061	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Potassium	**1200**		640	8.2	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Selenium	**4.0**		1.3	0.34	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Silver	ND		0.64	0.052	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Sodium	**670**		640	1.4	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Thallium	ND		2.6	0.19	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Vanadium	**20**	**B**	6.4	0.22	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1
Zinc	**39**	**B**	2.6	0.13	mg/Kg	☼	08/21/14 13:02	08/27/14 12:11	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**	**J**	0.041	0.014	mg/Kg	☼	08/27/14 09:11	08/27/14 11:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**21**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**79**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	**1.0**		0.64	0.19	mg/Kg	☼	08/22/14 07:00	08/22/14 09:45	1

Client Sample Results

Client Sample ID: SSHS-B65-10-12 (11)
Lab Sample ID: 180-35818-4
Date Collected: 08/14/14 13:31
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 89.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		16	4.0	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Benzene	ND		4.0	0.54	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Bromoform	ND		4.0	0.36	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Bromomethane	ND		4.0	0.59	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
2-Butanone (MEK)	ND		4.0	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Carbon disulfide	ND		4.0	0.41	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Carbon tetrachloride	ND		4.0	0.36	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Chlorobenzene	ND		4.0	0.61	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Chlorobromomethane	ND		4.0	0.55	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Chlorodibromomethane	ND		4.0	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Chloroethane	ND		4.0	1.2	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Chloroform	ND		4.0	0.47	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Chloromethane	ND		4.0	0.69	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
cis-1,2-Dichloroethene	ND		4.0	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
cis-1,3-Dichloropropene	ND		4.0	0.55	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Cyclohexane	ND		4.0	0.30	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
1,2-Dibromo-3-Chloropropane	ND		4.0	0.60	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
1,2-Dibromoethane	ND		4.0	0.69	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
1,2-Dichlorobenzene	ND		4.0	0.64	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
1,3-Dichlorobenzene	ND		4.0	0.53	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
1,4-Dichlorobenzene	ND		4.0	0.51	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Dichlorobromomethane	ND		4.0	0.45	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Dichlorodifluoromethane	ND		4.0	0.54	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
1,1-Dichloroethane	ND		4.0	0.46	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
1,2-Dichloroethane	ND		4.0	0.49	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
1,1-Dichloroethene	ND		4.0	0.68	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
1,2-Dichloropropane	ND		4.0	0.44	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
1,4-Dioxane	ND		800	220	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Ethylbenzene	ND		4.0	0.52	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
2-Hexanone	ND		4.0	0.56	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Isopropylbenzene	ND		4.0	0.55	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Methyl acetate	ND		4.0	0.73	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Methylcyclohexane	ND		4.0	0.58	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Methylene Chloride	ND		4.0	0.54	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
4-Methyl-2-pentanone (MIBK)	ND		4.0	0.52	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Methyl tert-butyl ether	ND		4.0	0.60	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
m-Xylene & p-Xylene	ND		8.0	1.2	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
o-Xylene	ND		4.0	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Styrene	ND		4.0	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
1,1,2,2-Tetrachloroethane	ND		4.0	0.58	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Tetrachloroethene	ND		4.0	0.55	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Toluene	ND		4.0	0.59	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
trans-1,2-Dichloroethene	ND		4.0	0.48	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
trans-1,3-Dichloropropene	ND		4.0	0.48	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
1,2,3-Trichlorobenzene	ND		4.0	0.68	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
1,2,4-Trichlorobenzene	ND		4.0	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
1,1,1-Trichloroethane	ND		4.0	0.39	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
1,1,2-Trichloroethane	ND		4.0	0.67	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Trichloroethene	ND		4.0	0.53	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1

Client Sample ID: SSHS-B65-10-12 (11) **Lab Sample ID: 180-35818-4**
Date Collected: 08/14/14 13:31 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 89.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.0	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	0.86	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1
Vinyl chloride	ND		4.0	0.38	ug/Kg	☼	08/19/14 04:07	08/19/14 10:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/19/14 04:07*	*08/19/14 10:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 120*	*08/19/14 04:07*	*08/19/14 10:45*	*1*
Dibromofluoromethane (Surr)	*103*		*68 - 121*	*08/19/14 04:07*	*08/19/14 10:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*52 - 124*	*08/19/14 04:07*	*08/19/14 10:45*	*1*
Toluene-d8 (Surr)	*100*		*72 - 127*	*08/19/14 04:07*	*08/19/14 10:45*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	7.1	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Acenaphthylene	ND		74	8.5	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Acetophenone	ND		370	30	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Anthracene	ND		74	7.2	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Atrazine	ND		370	36	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Benzaldehyde	ND		370	55	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Benzo[a]anthracene	ND		74	9.3	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Benzo[a]pyrene	ND		74	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Benzo[b]fluoranthene	ND		74	12	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Benzo[g,h,i]perylene	ND		74	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Benzo[k]fluoranthene	ND		74	15	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Bis(2-chloroethoxy)methane	ND		370	24	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Bis(2-ethylhexyl) phthalate	ND		740	60	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Carbazole	ND		74	6.8	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
2-Chlorophenol	ND		370	30	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Chrysene	ND		74	8.8	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Dibenz(a,h)anthracene	ND		74	8.2	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Dibenzofuran	ND		370	36	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Diethyl phthalate	ND		370	40	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Dimethyl phthalate	ND		370	40	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Di-n-butyl phthalate	ND		370	46	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1

Client Sample Results

Client Sample ID: SSHS-B65-10-12 (11)

Lab Sample ID: 180-35818-4

Date Collected: 08/14/14 13:31

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 89.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Fluoranthene	ND		74	7.9	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Fluorene	ND		74	9.7	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Hexachlorobenzene	ND		74	7.9	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Hexachlorobutadiene	ND		74	8.3	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Indeno[1,2,3-cd]pyrene	ND		74	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Isophorone	ND		370	28	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
2-Methylnaphthalene	ND		74	6.7	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Methylphenol, 3 & 4	ND		370	36	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Naphthalene	ND		74	6.4	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
N-Nitrosodi-n-propylamine	ND		74	8.7	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
N-Nitrosodiphenylamine	ND		370	34	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
2,2'-oxybis[1-chloropropane]	ND		74	8.0	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Phenanthrene	ND		74	12	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Phenol	ND		74	8.7	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
Pyrene	ND		74	7.5	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
2,4,5-Trichlorophenol	ND		370	39	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1
2,4,6-Trichlorophenol	ND		370	55	ug/Kg	☼	08/26/14 18:45	08/27/14 13:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*230*	*T J*	*ug/Kg*	☼	*13.15*		*08/26/14 18:45*	*08/27/14 13:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*08/26/14 18:45*	*08/27/14 13:31*	*1*
2-Fluorophenol (Surr)	*70*		*39 - 103*	*08/26/14 18:45*	*08/27/14 13:31*	*1*
Nitrobenzene-d5 (Surr)	*73*		*25 - 104*	*08/26/14 18:45*	*08/27/14 13:31*	*1*
Phenol-d5 (Surr)	*70*		*25 - 105*	*08/26/14 18:45*	*08/27/14 13:31*	*1*
Terphenyl-d14 (Surr)	*67*		*25 - 127*	*08/26/14 18:45*	*08/27/14 13:31*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*35 - 124*	*08/26/14 18:45*	*08/27/14 13:31*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
alpha-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1

Client Sample ID: SSHS-B65-10-12 (11)

Date Collected: 08/14/14 13:31
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-4
Matrix: Solid
Percent Solids: 89.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.8	0.47	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
4,4'-DDD	**0.24**	**J p**	1.8	0.24	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
delta-BHC	ND		1.8	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
gamma-BHC (Lindane)	ND		1.8	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
gamma-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1
Toxaphene	ND		73	12	ug/Kg	☼	08/26/14 07:50	08/27/14 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*65*		*45 - 130*	*08/26/14 07:50*	*08/27/14 12:02*	*1*
DCB Decachlorobiphenyl (Surr)	*63*		*45 - 130*	*08/26/14 07:50*	*08/27/14 12:02*	*1*
Tetrachloro-m-xylene	*67*		*45 - 130*	*08/26/14 07:50*	*08/27/14 12:02*	*1*
Tetrachloro-m-xylene	*63*		*45 - 130*	*08/26/14 07:50*	*08/27/14 12:02*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/26/14 07:50	08/27/14 13:12	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/26/14 07:50	08/27/14 13:12	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/26/14 07:50	08/27/14 13:12	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/26/14 07:50	08/27/14 13:12	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/26/14 07:50	08/27/14 13:12	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/26/14 07:50	08/27/14 13:12	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/26/14 07:50	08/27/14 13:12	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/26/14 07:50	08/27/14 13:12	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/26/14 07:50	08/27/14 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*63*		*45 - 125*	*08/26/14 07:50*	*08/27/14 13:12*	*1*
DCB Decachlorobiphenyl (Surr)	*64*		*45 - 125*	*08/26/14 07:50*	*08/27/14 13:44*	*1*
Tetrachloro-m-xylene (Surr)	*59*		*45 - 135*	*08/26/14 07:50*	*08/27/14 13:12*	*1*
Tetrachloro-m-xylene (Surr)	*63*		*45 - 135*	*08/26/14 07:50*	*08/27/14 13:44*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6000**		22	2.3	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Arsenic	**51**		1.1	0.33	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Barium	**93**		22	0.014	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Beryllium	**0.15**	**J**	0.43	0.012	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1

Client Sample ID: SSHS-B65-10-12 (11)

Lab Sample ID: 180-35818-4

Date Collected: 08/14/14 13:31

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 89.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.54	0.015	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Calcium	**320**	**J**	540	1.6	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Chromium	**11**	**B**	0.54	0.084	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Cobalt	**3.5**	**J**	5.4	0.045	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Copper	**22**		2.7	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Iron	**44000**		11	0.96	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Lead	**15**		1.1	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Magnesium	**1700**		540	2.2	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Manganese	**130**		1.6	0.096	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Nickel	**8.8**		4.3	0.051	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Potassium	**1400**		540	6.9	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Selenium	**2.7**		1.1	0.29	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Silver	ND		0.54	0.044	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Sodium	**580**		540	1.1	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Vanadium	**15**	**B**	5.4	0.19	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1
Zinc	**45**	**B**	2.2	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 12:16	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**	**J**	0.036	0.012	mg/Kg	☼	08/27/14 09:11	08/27/14 12:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**90**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	**0.17**	**J**	0.57	0.17	mg/Kg	☼	08/22/14 07:00	08/22/14 09:45	1

Client Sample ID: SSHS-B66-0.17-2 (1)

Lab Sample ID: 180-35818-5

Date Collected: 08/14/14 16:10

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 94.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.7	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Benzene	ND		4.7	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Bromoform	ND		4.7	0.41	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Bromomethane	ND		4.7	0.69	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
2-Butanone (MEK)	ND		4.7	0.82	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Carbon disulfide	ND		4.7	0.48	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Carbon tetrachloride	ND		4.7	0.42	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Chlorobenzene	ND		4.7	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Chlorobromomethane	ND		4.7	0.64	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Chlorodibromomethane	ND		4.7	0.66	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Chloroethane	ND		4.7	1.4	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Chloroform	ND		4.7	0.54	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Chloromethane	ND		4.7	0.79	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
cis-1,2-Dichloroethene	ND		4.7	0.66	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
cis-1,3-Dichloropropene	ND		4.7	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Cyclohexane	ND		4.7	0.35	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1

Client Sample ID: SSHS-B66-0.17-2 (1)

Lab Sample ID: 180-35818-5

Date Collected: 08/14/14 16:10
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 94.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.7	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
1,2-Dibromoethane	ND		4.7	0.80	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
1,2-Dichlorobenzene	ND		4.7	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
1,3-Dichlorobenzene	ND		4.7	0.61	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
1,4-Dichlorobenzene	ND		4.7	0.59	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Dichlorobromomethane	ND		4.7	0.52	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Dichlorodifluoromethane	ND		4.7	0.62	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
1,1-Dichloroethane	ND		4.7	0.54	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
1,2-Dichloroethane	ND		4.7	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
1,1-Dichloroethene	ND		4.7	0.79	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
1,2-Dichloropropane	ND		4.7	0.51	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
1,4-Dioxane	ND		930	260	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Ethylbenzene	ND		4.7	0.60	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
2-Hexanone	ND		4.7	0.64	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Isopropylbenzene	ND		4.7	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Methyl acetate	ND		4.7	0.84	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Methylcyclohexane	ND		4.7	0.68	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Methylene Chloride	ND		4.7	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	0.61	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Methyl tert-butyl ether	ND		4.7	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
m-Xylene & p-Xylene	ND		9.3	1.4	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
o-Xylene	ND		4.7	0.73	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Styrene	ND		4.7	0.66	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.67	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Tetrachloroethene	ND		4.7	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Toluene	ND		4.7	0.68	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
trans-1,2-Dichloroethene	ND		4.7	0.56	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
trans-1,3-Dichloropropene	ND		4.7	0.56	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
1,2,3-Trichlorobenzene	ND		4.7	0.79	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
1,2,4-Trichlorobenzene	ND		4.7	0.82	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
1,1,1-Trichloroethane	ND		4.7	0.45	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
1,1,2-Trichloroethane	ND		4.7	0.77	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Trichloroethene	**2.4**	**J**	4.7	0.61	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Trichlorofluoromethane	ND		4.7	0.86	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	0.99	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1
Vinyl chloride	ND		4.7	0.44	ug/Kg	☼	08/19/14 04:07	08/19/14 11:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/19/14 04:07*	*08/19/14 11:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*08/19/14 04:07*	*08/19/14 11:07*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*08/19/14 04:07*	*08/19/14 11:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*52 - 124*	*08/19/14 04:07*	*08/19/14 11:07*	*1*
Toluene-d8 (Surr)	*110*		*72 - 127*	*08/19/14 04:07*	*08/19/14 11:07*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	6.8	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Acenaphthylene	ND		71	8.1	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1

Client Sample Results

Client Sample ID: SSHS-B66-0.17-2 (1) **Lab Sample ID: 180-35818-5**
Date Collected: 08/14/14 16:10 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 94.5**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		350	29	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Anthracene	**13**	**J**	71	6.9	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Atrazine	ND		350	34	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Benzo[a]anthracene	**46**	**J**	71	8.9	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Benzo[a]pyrene	**41**	**J**	71	7.1	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Benzo[b]fluoranthene	**58**	**J**	71	11	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Benzo[g,h,i]perylene	**44**	**J**	71	7.0	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Benzo[k]fluoranthene	**28**	**J**	71	14	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Bis(2-chloroethyl)ether	ND		71	9.5	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Bis(2-ethylhexyl) phthalate	ND		710	57	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Carbazole	ND		71	6.5	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
2-Chloronaphthalene	ND		71	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Chrysene	**65**	**J**	71	8.4	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Dibenz(a,h)anthracene	**18**	**J**	71	7.9	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
2,4-Dichlorophenol	ND		71	7.1	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Dimethyl phthalate	ND		350	38	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
2,6-Dinitrotoluene	ND		350	36	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
1,4-Dioxane	ND		710	41	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Fluoranthene	**61**	**J**	71	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Fluorene	ND		71	9.3	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Hexachlorobenzene	ND		71	7.5	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Hexachlorobutadiene	ND		71	7.9	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Indeno[1,2,3-cd]pyrene	**35**	**J**	71	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Isophorone	ND		350	27	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
2-Methylnaphthalene	**45**	**J**	71	6.4	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Naphthalene	**33**	**J**	71	6.1	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B66-0.17-2 (1)
Date Collected: 08/14/14 16:10
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-5
Matrix: Solid
Percent Solids: 94.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Nitrobenzene	ND		710	29	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
N-Nitrosodi-n-propylamine	ND		71	8.3	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
2,2'-oxybis[1-chloropropane]	ND		71	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Phenanthrene	**56**	**J**	71	11	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Phenol	ND		71	8.3	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
Pyrene	**59**	**J**	71	7.1	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/26/14 18:45	08/27/14 14:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Substituted Biphenyl	*210*	*T J*	*ug/Kg*	☼	*10.52*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*210*	*T J*	*ug/Kg*	☼	*10.69*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*10.83*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*1100*	*T J*	*ug/Kg*	☼	*10.93*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*220*	*T J*	*ug/Kg*	☼	*11.01*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*200*	*T J*	*ug/Kg*	☼	*11.09*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*180*	*T J*	*ug/Kg*	☼	*11.13*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*790*	*T J*	*ug/Kg*	☼	*11.22*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*620*	*T J*	*ug/Kg*	☼	*11.27*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*350*	*T J*	*ug/Kg*	☼	*11.30*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*740*	*T J*	*ug/Kg*	☼	*11.42*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*280*	*T J*	*ug/Kg*	☼	*11.45*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*230*	*T J*	*ug/Kg*	☼	*11.49*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*260*	*T J*	*ug/Kg*	☼	*11.52*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*470*	*T J*	*ug/Kg*	☼	*11.54*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*170*	*T J*	*ug/Kg*	☼	*11.62*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*410*	*T J*	*ug/Kg*	☼	*11.77*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*820*	*T J*	*ug/Kg*	☼	*11.81*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*1000*	*T J*	*ug/Kg*	☼	*11.84*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*650*	*T J*	*ug/Kg*	☼	*12.01*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*380*	*T J*	*ug/Kg*	☼	*12.06*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*170*	*T J*	*ug/Kg*	☼	*12.12*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*200*	*T J*	*ug/Kg*	☼	*12.37*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*12.72*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*360*	*T J*	*ug/Kg*	☼	*12.78*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown Substituted Biphenyl	*190*	*T J*	*ug/Kg*	☼	*13.11*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*13.14*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*18.43*		*08/26/14 18:45*	*08/27/14 14:00*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*19.07*		*08/26/14 18:45*	*08/27/14 14:00*	*1*

Client Sample Results

Client Sample ID: SSHS-B66-0.17-2 (1)

Lab Sample ID: 180-35818-5

Date Collected: 08/14/14 16:10

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 94.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 105*	*08/26/14 18:45*	*08/27/14 14:00*	*1*
2-Fluorophenol (Surr)	*60*		*39 - 103*	*08/26/14 18:45*	*08/27/14 14:00*	*1*
Nitrobenzene-d5 (Surr)	*64*		*25 - 104*	*08/26/14 18:45*	*08/27/14 14:00*	*1*
Phenol-d5 (Surr)	*61*		*25 - 105*	*08/26/14 18:45*	*08/27/14 14:00*	*1*
Terphenyl-d14 (Surr)	*61*		*25 - 127*	*08/26/14 18:45*	*08/27/14 14:00*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 124*	*08/26/14 18:45*	*08/27/14 14:00*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
alpha-BHC	ND		1.8	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
alpha-Chlordane	**3.5**	**p**	1.8	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
beta-BHC	**31**	**p**	1.8	0.45	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
4,4'-DDD	**4.8**	**p**	1.8	0.23	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
4,4'-DDE	ND		1.8	0.26	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
4,4'-DDT	**150**		1.8	0.26	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
delta-BHC	ND		1.8	0.26	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
Dieldrin	**11**		1.8	0.29	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
Endosulfan I	**28**		1.8	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
Endosulfan II	**2.2**	**p**	1.8	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
Endosulfan sulfate	**11**	**p**	1.8	0.18	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
Endrin	**69**	**p**	1.8	0.33	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
Endrin aldehyde	**8.8**	**p**	1.8	0.33	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
Endrin ketone	**10**	**p**	1.8	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
gamma-BHC (Lindane)	**1.2**	**J p**	1.8	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
gamma-Chlordane	**240**	**p**	1.8	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
Heptachlor	**34**	**p**	1.8	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
Methoxychlor	**65**	**p**	3.4	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1
Toxaphene	ND		69	11	ug/Kg	☼	08/26/14 07:50	08/27/14 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 130*	*08/26/14 07:50*	*08/27/14 12:17*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 130*	*08/26/14 07:50*	*08/27/14 12:17*	*1*
Tetrachloro-m-xylene	*72*		*45 - 130*	*08/26/14 07:50*	*08/27/14 12:17*	*1*
Tetrachloro-m-xylene	*67*		*45 - 130*	*08/26/14 07:50*	*08/27/14 12:17*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	**490**		8.8	1.7	ug/Kg	☼	08/26/14 07:50	08/28/14 11:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/26/14 07:50*	*08/28/14 11:58*	*5*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/26/14 07:50*	*08/28/14 11:58*	*5*
Tetrachloro-m-xylene	*77*		*45 - 130*	*08/26/14 07:50*	*08/28/14 11:58*	*5*
Tetrachloro-m-xylene	*74*		*45 - 130*	*08/26/14 07:50*	*08/28/14 11:58*	*5*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		340	51	ug/Kg	☼	08/26/14 07:50	08/28/14 17:42	20
PCB-1221	ND		340	66	ug/Kg	☼	08/26/14 07:50	08/28/14 17:42	20
PCB-1232	ND		340	59	ug/Kg	☼	08/26/14 07:50	08/28/14 17:42	20

Client Sample ID: SSHS-B66-0.17-2 (1)
Date Collected: 08/14/14 16:10
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-5
Matrix: Solid
Percent Solids: 94.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		340	56	ug/Kg	☼	08/26/14 07:50	08/28/14 17:42	20
PCB-1248	**24000**		340	33	ug/Kg	☼	08/26/14 07:50	08/28/14 17:42	20
PCB-1254	ND		340	49	ug/Kg	☼	08/26/14 07:50	08/28/14 17:42	20
PCB-1260	**1100**		340	49	ug/Kg	☼	08/26/14 07:50	08/28/14 17:42	20
PCB-1262	ND		340	75	ug/Kg	☼	08/26/14 07:50	08/28/14 17:42	20
PCB-1268	ND		340	44	ug/Kg	☼	08/26/14 07:50	08/28/14 17:42	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*45 - 125*	*08/26/14 07:50*	*08/28/14 17:42*	*20*
DCB Decachlorobiphenyl (Surr)	*115*		*45 - 125*	*08/26/14 07:50*	*08/28/14 18:14*	*20*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*	*08/26/14 07:50*	*08/28/14 17:42*	*20*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*	*08/26/14 07:50*	*08/28/14 18:14*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6400**		21	2.2	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Antimony	ND		1.1	0.21	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Arsenic	**7.8**		1.1	0.32	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Barium	**70**		21	0.014	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Beryllium	**0.31**	**J**	0.42	0.012	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Cadmium	**0.18**	**J B**	0.53	0.015	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Calcium	**14000**		530	1.6	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Chromium	**16**	**B**	0.53	0.082	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Cobalt	**6.2**		5.3	0.044	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Copper	**91**		2.6	0.15	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Iron	**20000**		11	0.94	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Lead	**130**		1.1	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Magnesium	**4200**		530	2.2	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Manganese	**360**		1.6	0.094	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Nickel	**52**		4.2	0.050	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Potassium	**560**		530	6.8	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Selenium	**0.76**	**J**	1.1	0.28	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Silver	ND		0.53	0.043	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Sodium	**120**	**J**	530	1.1	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Thallium	ND		2.1	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Vanadium	**12**	**B**	5.3	0.18	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1
Zinc	**110**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 12:21	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.046**		0.034	0.011	mg/Kg	☼	08/27/14 09:11	08/27/14 12:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.5**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**94**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	**0.23**	**J**	0.52	0.15	mg/Kg	☼	08/22/14 07:00	08/22/14 09:45	1

Client Sample Results

Client Sample ID: SSHS-B66-2-4 (3)
Date Collected: 08/14/14 16:23
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-6
Matrix: Solid
Percent Solids: 91.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.2	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Benzene	ND		4.2	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Bromoform	ND		4.2	0.37	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Bromomethane	ND		4.2	0.62	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
2-Butanone (MEK)	ND		4.2	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Carbon disulfide	ND		4.2	0.43	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Carbon tetrachloride	ND		4.2	0.38	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Chlorobenzene	ND		4.2	0.64	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Chlorobromomethane	ND		4.2	0.58	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Chlorodibromomethane	ND		4.2	0.60	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Chloroethane	ND		4.2	1.3	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Chloroform	ND		4.2	0.49	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Chloromethane	ND		4.2	0.72	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
cis-1,2-Dichloroethene	**0.72**	**J**	4.2	0.59	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
cis-1,3-Dichloropropene	ND		4.2	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Cyclohexane	ND		4.2	0.31	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
1,2-Dibromo-3-Chloropropane	ND		4.2	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
1,2-Dibromoethane	ND		4.2	0.73	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
1,2-Dichlorobenzene	ND		4.2	0.67	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
1,3-Dichlorobenzene	ND		4.2	0.55	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
1,4-Dichlorobenzene	ND		4.2	0.54	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Dichlorobromomethane	ND		4.2	0.47	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Dichlorodifluoromethane	ND		4.2	0.56	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
1,1-Dichloroethane	ND		4.2	0.49	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
1,2-Dichloroethane	ND		4.2	0.52	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
1,1-Dichloroethene	ND		4.2	0.72	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
1,2-Dichloropropane	ND		4.2	0.46	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
1,4-Dioxane	ND		840	230	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Ethylbenzene	ND		4.2	0.54	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
2-Hexanone	ND		4.2	0.58	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Isopropylbenzene	ND		4.2	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Methyl acetate	ND		4.2	0.76	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Methylcyclohexane	ND		4.2	0.61	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Methylene Chloride	ND		4.2	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.55	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Methyl tert-butyl ether	ND		4.2	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
m-Xylene & p-Xylene	ND		8.4	1.2	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
o-Xylene	ND		4.2	0.66	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Styrene	ND		4.2	0.60	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.61	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Tetrachloroethene	ND		4.2	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Toluene	ND		4.2	0.62	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
trans-1,2-Dichloroethene	ND		4.2	0.50	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
trans-1,3-Dichloropropene	ND		4.2	0.50	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
1,2,3-Trichlorobenzene	ND		4.2	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
1,2,4-Trichlorobenzene	ND		4.2	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
1,1,1-Trichloroethane	ND		4.2	0.41	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
1,1,2-Trichloroethane	ND		4.2	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Trichloroethene	**5.1**		4.2	0.56	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B66-2-4 (3)
Date Collected: 08/14/14 16:23
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-6
Matrix: Solid
Percent Solids: 91.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.2	0.78	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.90	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1
Vinyl chloride	ND		4.2	0.40	ug/Kg	☼	08/19/14 04:07	08/19/14 11:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/19/14 04:07*	*08/19/14 11:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/19/14 04:07*	*08/19/14 11:30*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/19/14 04:07*	*08/19/14 11:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*52 - 124*	*08/19/14 04:07*	*08/19/14 11:30*	*1*
Toluene-d8 (Surr)	*109*		*72 - 127*	*08/19/14 04:07*	*08/19/14 11:30*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Acenaphthylene	**18**	**J**	73	8.4	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Acetophenone	ND		360	30	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Anthracene	**26**	**J**	73	7.2	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Atrazine	ND		360	36	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Benzo[a]anthracene	**97**		73	9.2	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Benzo[a]pyrene	**88**		73	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Benzo[b]fluoranthene	**140**		73	11	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Benzo[g,h,i]perylene	**99**		73	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Benzo[k]fluoranthene	**47**	**J**	73	15	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Bis(2-chloroethyl)ether	ND		73	9.8	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Carbazole	ND		73	6.7	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Chrysene	**140**		73	8.7	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Dibenz(a,h)anthracene	**25**	**J**	73	8.1	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Dibenzofuran	**51**	**J**	360	36	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1

Client Sample ID: SSHS-B66-2-4 (3)
Date Collected: 08/14/14 16:23
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-6
Matrix: Solid
Percent Solids: 91.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Fluoranthene	**200**		73	7.8	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Fluorene	**15**	**J**	73	9.6	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Hexachlorobenzene	ND		73	7.8	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Hexachlorobutadiene	ND		73	8.2	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Indeno[1,2,3-cd]pyrene	**76**		73	7.5	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Isophorone	ND		360	28	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
2-Methylnaphthalene	**170**		73	6.6	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Naphthalene	**110**		73	6.3	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
N-Nitrosodi-n-propylamine	ND		73	8.6	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
2,2'-oxybis[1-chloropropane]	ND		73	7.9	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Phenanthrene	**190**		73	12	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Phenol	ND		73	8.6	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
Pyrene	**160**		73	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/26/14 18:45	08/27/14 14:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*210*	*T J*	*ug/Kg*	☼	*8.91*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*10.02*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*10.42*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown	*310*	*T J*	*ug/Kg*	☼	*10.83*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown Substituted Biphenyl	*670*	*T J*	*ug/Kg*	☼	*10.94*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*11.01*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown Substituted Biphenyl	*500*	*T J*	*ug/Kg*	☼	*11.22*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown	*560*	*T J*	*ug/Kg*	☼	*11.26*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*11.30*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown Substituted Biphenyl	*550*	*T J*	*ug/Kg*	☼	*11.42*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*11.45*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*11.49*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown Substituted Biphenyl	*210*	*T J*	*ug/Kg*	☼	*11.52*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown Substituted Biphenyl	*350*	*T J*	*ug/Kg*	☼	*11.54*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*11.62*		*08/26/14 18:45*	*08/27/14 14:30*	*1*

Client Sample ID: SSHS-B66-2-4 (3)

Lab Sample ID: 180-35818-6

Date Collected: 08/14/14 16:23
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Straight Chain Alkane	*310*	*T J*	*ug/Kg*	☼	*11.71*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown Substituted Biphenyl	*320*	*T J*	*ug/Kg*	☼	*11.77*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown Substituted Biphenyl	*650*	*T J*	*ug/Kg*	☼	*11.81*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown Substituted Biphenyl	*680*	*T J*	*ug/Kg*	☼	*11.84*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown Substituted Biphenyl	*570*	*T J*	*ug/Kg*	☼	*12.01*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown Substituted Biphenyl	*360*	*T J*	*ug/Kg*	☼	*12.06*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*12.20*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown Substituted Biphenyl	*210*	*T J*	*ug/Kg*	☼	*12.37*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown	*390*	*T J*	*ug/Kg*	☼	*12.73*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown Substituted Biphenyl	*380*	*T J*	*ug/Kg*	☼	*12.78*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*12.93*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown	*310*	*T J*	*ug/Kg*	☼	*13.15*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown	*560*	*T J*	*ug/Kg*	☼	*15.47*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*15.96*		*08/26/14 18:45*	*08/27/14 14:30*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*18.16*		*08/26/14 18:45*	*08/27/14 14:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*08/26/14 18:45*	*08/27/14 14:30*	*1*
2-Fluorophenol (Surr)	*69*		*39 - 103*	*08/26/14 18:45*	*08/27/14 14:30*	*1*
Nitrobenzene-d5 (Surr)	*72*		*25 - 104*	*08/26/14 18:45*	*08/27/14 14:30*	*1*
Phenol-d5 (Surr)	*68*		*25 - 105*	*08/26/14 18:45*	*08/27/14 14:30*	*1*
Terphenyl-d14 (Surr)	*66*		*25 - 127*	*08/26/14 18:45*	*08/27/14 14:30*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*35 - 124*	*08/26/14 18:45*	*08/27/14 14:30*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
alpha-Chlordane	**6.9**	**p**	1.9	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
beta-BHC	**31**	**p**	1.9	0.47	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
4,4'-DDD	**4.8**	**p**	1.9	0.24	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
4,4'-DDT	**22**	**p**	1.9	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
Dieldrin	**13**		1.9	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
Endosulfan I	**26**		1.9	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
Endosulfan II	**2.3**	**p**	1.9	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
Endosulfan sulfate	**9.9**	**p**	1.9	0.19	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
Endrin	**70**	**p**	1.9	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
Endrin aldehyde	**10**	**p**	1.9	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
Endrin ketone	**11**	**p**	1.9	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
gamma-BHC (Lindane)	**0.71**	**J p**	1.9	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
gamma-Chlordane	**220**	**p**	1.9	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
Heptachlor	**34**	**p**	1.9	0.41	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
Heptachlor epoxide	**280**		1.9	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
Methoxychlor	**3.3**	**J p**	3.6	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1
Toxaphene	ND		73	12	ug/Kg	☼	08/26/14 07:50	08/27/14 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 130*	*08/26/14 07:50*	*08/27/14 12:33*	*1*

Client Sample Results

Client Sample ID: SSHS-B66-2-4 (3)
Date Collected: 08/14/14 16:23
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-6
Matrix: Solid
Percent Solids: 91.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 130*	*08/26/14 07:50*	*08/27/14 12:33*	*1*
Tetrachloro-m-xylene	*73*		*45 - 130*	*08/26/14 07:50*	*08/27/14 12:33*	*1*
Tetrachloro-m-xylene	*71*		*45 - 130*	*08/26/14 07:50*	*08/27/14 12:33*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		370	54	ug/Kg	☼	08/26/14 07:50	08/28/14 18:14	20
PCB-1221	ND		370	70	ug/Kg	☼	08/26/14 07:50	08/28/14 18:14	20
PCB-1232	ND		370	63	ug/Kg	☼	08/26/14 07:50	08/28/14 18:14	20
PCB-1242	ND		370	60	ug/Kg	☼	08/26/14 07:50	08/28/14 18:14	20
PCB-1248	**26000**		370	35	ug/Kg	☼	08/26/14 07:50	08/28/14 18:14	20
PCB-1254	ND		370	52	ug/Kg	☼	08/26/14 07:50	08/28/14 18:14	20
PCB-1260	**1200**		370	52	ug/Kg	☼	08/26/14 07:50	08/28/14 18:14	20
PCB-1262	ND		370	80	ug/Kg	☼	08/26/14 07:50	08/28/14 18:14	20
PCB-1268	ND		370	47	ug/Kg	☼	08/26/14 07:50	08/28/14 18:14	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*113*		*45 - 125*	*08/26/14 07:50*	*08/28/14 18:14*	*20*
DCB Decachlorobiphenyl (Surr)	*136*	*X*	*45 - 125*	*08/26/14 07:50*	*08/28/14 18:46*	*20*
Tetrachloro-m-xylene (Surr)	*101*		*45 - 135*	*08/26/14 07:50*	*08/28/14 18:14*	*20*
Tetrachloro-m-xylene (Surr)	*101*		*45 - 135*	*08/26/14 07:50*	*08/28/14 18:46*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7000**		22	2.3	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Arsenic	**12**		1.1	0.34	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Barium	**100**		22	0.014	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Beryllium	**0.35**	**J**	0.45	0.013	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Cadmium	**0.17**	**J B**	0.56	0.016	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Calcium	**13000**		560	1.7	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Chromium	**17**	**B**	0.56	0.086	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Cobalt	**6.4**		5.6	0.047	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Copper	**100**		2.8	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Iron	**26000**		11	0.99	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Lead	**89**		1.1	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Magnesium	**3300**		560	2.3	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Manganese	**430**		1.7	0.099	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Nickel	**48**		4.5	0.053	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Potassium	**640**		560	7.1	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Selenium	**1.1**		1.1	0.30	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Silver	ND		0.56	0.045	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Sodium	**130**	**J**	560	1.2	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Vanadium	**15**	**B**	5.6	0.20	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1
Zinc	**110**	**B**	2.2	0.12	mg/Kg	☼	08/21/14 13:02	08/27/14 12:27	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.082**		0.036	0.012	mg/Kg	☼	08/27/14 09:11	08/27/14 12:03	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B66-2-4 (3)

Date Collected: 08/14/14 16:23
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-6
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.7**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**91**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	**3.3**		0.52	0.15	mg/Kg	☼	08/22/14 07:00	08/22/14 09:53	1

Client Sample ID: SSHS-B66-6-8R (7)

Date Collected: 08/14/14 16:29
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-7
Matrix: Solid
Percent Solids: 93.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Benzene	ND		5.0	0.67	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Bromoform	ND		5.0	0.44	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Bromomethane	ND		5.0	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Carbon disulfide	ND		5.0	0.51	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Chlorobenzene	ND		5.0	0.76	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Chloroethane	ND		5.0	1.5	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Chloroform	ND		5.0	0.58	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Chloromethane	ND		5.0	0.85	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Cyclohexane	ND		5.0	0.37	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
1,1-Dichloroethane	ND		5.0	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
1,4-Dioxane	ND		1000	280	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Ethylbenzene	ND		5.0	0.64	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
2-Hexanone	ND		5.0	0.69	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Methyl acetate	ND		5.0	0.90	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Methylcyclohexane	ND		5.0	0.72	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Methylene Chloride	ND		5.0	0.67	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
o-Xylene	ND		5.0	0.78	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Styrene	ND		5.0	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1

Client Sample ID: SSHS-B66-6-8R (7)
Lab Sample ID: 180-35818-7
Date Collected: 08/14/14 16:29
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.0	0.68	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Toluene	ND		5.0	0.73	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Trichloroethene	**0.74**	**J**	5.0	0.66	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1
Vinyl chloride	ND		5.0	0.47	ug/Kg	☼	08/19/14 04:07	08/19/14 11:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/19/14 04:07*	*08/19/14 11:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/19/14 04:07*	*08/19/14 11:52*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*08/19/14 04:07*	*08/19/14 11:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*52 - 124*	*08/19/14 04:07*	*08/19/14 11:52*	*1*
Toluene-d8 (Surr)	*105*		*72 - 127*	*08/19/14 04:07*	*08/19/14 11:52*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		140	14	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Acenaphthylene	ND		140	16	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Acetophenone	ND		700	59	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Anthracene	ND		140	14	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Atrazine	ND		700	69	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Benzaldehyde	ND		700	110	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Benzo[a]anthracene	ND		140	18	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Benzo[a]pyrene	ND		140	14	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Benzo[b]fluoranthene	ND		140	22	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Benzo[g,h,i]perylene	ND		140	14	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Benzo[k]fluoranthene	ND		140	29	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
1,1'-Biphenyl	ND		700	64	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Bis(2-chloroethoxy)methane	ND		700	47	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Bis(2-chloroethyl)ether	ND		140	19	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Bis(2-ethylhexyl) phthalate	ND		1400	120	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
4-Bromophenyl phenyl ether	ND		700	62	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Butyl benzyl phthalate	ND		700	97	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Caprolactam	ND		3600	540	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Carbazole	ND		140	13	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
4-Chloroaniline	ND		700	57	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
4-Chloro-3-methylphenol	ND		700	66	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
2-Chloronaphthalene	ND		140	15	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
2-Chlorophenol	ND		700	58	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
4-Chlorophenyl phenyl ether	ND		700	79	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Chrysene	ND		140	17	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Dibenz(a,h)anthracene	ND		140	16	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2

Client Sample ID: SSHS-B66-6-8R (7) **Lab Sample ID: 180-35818-7**
Date Collected: 08/14/14 16:29 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 93.0**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		700	70	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
3,3'-Dichlorobenzidine	ND		700	75	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
2,4-Dichlorophenol	ND		140	14	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Diethyl phthalate	ND		700	78	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
2,4-Dimethylphenol	ND		700	110	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Dimethyl phthalate	ND		700	78	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Di-n-butyl phthalate	ND		700	89	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
4,6-Dinitro-2-methylphenol	ND		3600	290	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
2,4-Dinitrophenol	ND		3600	850	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
2,4-Dinitrotoluene	ND		700	58	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
2,6-Dinitrotoluene	ND		700	73	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Di-n-octyl phthalate	ND		700	75	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
1,4-Dioxane	ND		1400	82	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Fluoranthene	**20**	**J**	140	15	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Fluorene	ND		140	19	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Hexachlorobenzene	ND		140	15	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Hexachlorobutadiene	ND		140	16	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Hexachlorocyclopentadiene	ND		700	77	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Hexachloroethane	ND		700	51	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Indeno[1,2,3-cd]pyrene	ND		140	15	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Isophorone	ND		700	54	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
2-Methylnaphthalene	**25**	**J**	140	13	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
2-Methylphenol	ND		700	50	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Methylphenol, 3 & 4	ND		700	70	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Naphthalene	ND		140	12	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
2-Nitroaniline	ND		3600	320	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
3-Nitroaniline	ND		3600	290	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
4-Nitroaniline	ND		3600	290	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Nitrobenzene	ND		1400	59	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
2-Nitrophenol	ND		700	79	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
4-Nitrophenol	ND		3600	260	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
N-Nitrosodi-n-propylamine	ND		140	17	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
N-Nitrosodiphenylamine	ND		700	66	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
2,2'-oxybis[1-chloropropane]	ND		140	15	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Pentachlorophenol	ND		700	64	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Phenanthrene	ND		140	23	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Phenol	ND		140	17	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
Pyrene	**18**	**J**	140	14	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
1,2,4,5-Tetrachlorobenzene	ND		700	54	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
2,3,4,6-Tetrachlorophenol	ND		700	46	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
2,4,5-Trichlorophenol	ND		700	76	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2
2,4,6-Trichlorophenol	ND		700	110	ug/Kg	☼	08/26/14 18:45	08/27/14 15:00	2

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*590*	*T J*	*ug/Kg*	☼	*1.51*		*08/26/14 18:45*	*08/27/14 15:00*	*2*
Unknown Straight Chain Alkane	*340*	*T J*	*ug/Kg*	☼	*10.83*		*08/26/14 18:45*	*08/27/14 15:00*	*2*
Unknown	*370*	*T J*	*ug/Kg*	☼	*11.26*		*08/26/14 18:45*	*08/27/14 15:00*	*2*
Eicosane	*290*	*T J N*	*ug/Kg*	☼	*11.72*	*112-95-8*	*08/26/14 18:45*	*08/27/14 15:00*	*2*
Unknown	*320*	*T J*	*ug/Kg*	☼	*12.20*		*08/26/14 18:45*	*08/27/14 15:00*	*2*
Unknown	*300*	*T J*	*ug/Kg*	☼	*12.39*		*08/26/14 18:45*	*08/27/14 15:00*	*2*

Client Sample ID: SSHS-B66-6-8R (7)

Lab Sample ID: 180-35818-7

Date Collected: 08/14/14 16:29

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 93.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*300*	*T J*	*ug/Kg*	☼	*12.74*		*08/26/14 18:45*	*08/27/14 15:00*	*2*
Unknown	*600*	*T J*	*ug/Kg*	☼	*13.15*		*08/26/14 18:45*	*08/27/14 15:00*	*2*
Unknown	*410*	*T J*	*ug/Kg*	☼	*18.45*		*08/26/14 18:45*	*08/27/14 15:00*	*2*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*35 - 105*	*08/26/14 18:45*	*08/27/14 15:00*	*2*
2-Fluorophenol (Surr)	*65*		*39 - 103*	*08/26/14 18:45*	*08/27/14 15:00*	*2*
Nitrobenzene-d5 (Surr)	*74*		*25 - 104*	*08/26/14 18:45*	*08/27/14 15:00*	*2*
Phenol-d5 (Surr)	*67*		*25 - 105*	*08/26/14 18:45*	*08/27/14 15:00*	*2*
Terphenyl-d14 (Surr)	*68*		*25 - 127*	*08/26/14 18:45*	*08/27/14 15:00*	*2*
2,4,6-Tribromophenol (Surr)	*80*		*35 - 124*	*08/26/14 18:45*	*08/27/14 15:00*	*2*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
4,4'-DDD	**1.1**	**J p**	1.8	0.23	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
4,4'-DDT	**1.3**	**J p**	1.8	0.26	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
Dieldrin	**0.76**	**J**	1.8	0.29	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
Endosulfan I	**0.98**	**J**	1.8	0.33	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
Endosulfan sulfate	**1.0**	**J p**	1.8	0.18	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
Endrin	**4.5**	**p**	1.8	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
Endrin aldehyde	**0.40**	**J p**	1.8	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
Endrin ketone	**1.4**	**J p**	1.8	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
gamma-Chlordane	**8.2**	**p**	1.8	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
Heptachlor	**0.76**	**J p**	1.8	0.39	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
Heptachlor epoxide	**9.0**	**p**	1.8	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
Methoxychlor	**0.66**	**J p**	3.5	0.37	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1
Toxaphene	ND		71	12	ug/Kg	☼	08/26/14 07:50	08/27/14 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 130*	*08/26/14 07:50*	*08/27/14 12:48*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 130*	*08/26/14 07:50*	*08/27/14 12:48*	*1*
Tetrachloro-m-xylene	*80*		*45 - 130*	*08/26/14 07:50*	*08/27/14 12:48*	*1*
Tetrachloro-m-xylene	*80*		*45 - 130*	*08/26/14 07:50*	*08/27/14 12:48*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/26/14 07:50	08/27/14 14:48	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/26/14 07:50	08/27/14 14:48	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/26/14 07:50	08/27/14 14:48	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/26/14 07:50	08/27/14 14:48	1
PCB-1248	**910**		18	1.7	ug/Kg	☼	08/26/14 07:50	08/27/14 14:48	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/26/14 07:50	08/27/14 14:48	1

Client Sample Results

Client Sample ID: SSHS-B66-6-8R (7)

Lab Sample ID: 180-35818-7
Date Collected: 08/14/14 16:29
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	**83**	**p**	18	2.5	ug/Kg	☼	08/26/14 07:50	08/27/14 14:48	1
PCB-1262	ND		18	3.8	ug/Kg	☼	08/26/14 07:50	08/27/14 14:48	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/26/14 07:50	08/27/14 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*	*08/26/14 07:50*	*08/27/14 14:48*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*	*08/26/14 07:50*	*08/27/14 15:20*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*	*08/26/14 07:50*	*08/27/14 14:48*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*45 - 135*	*08/26/14 07:50*	*08/27/14 15:20*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7700**		20	2.1	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Antimony	ND		1.0	0.20	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Arsenic	**7.2**		1.0	0.31	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Barium	**61**		20	0.013	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Beryllium	**0.31**	**J**	0.41	0.011	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Cadmium	**0.072**	**J B**	0.51	0.015	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Calcium	**31000**		510	1.5	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Chromium	**12**	**B**	0.51	0.079	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Cobalt	**6.4**		5.1	0.043	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Copper	**31**		2.6	0.15	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Iron	**18000**		10	0.91	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Lead	**19**		1.0	0.10	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Magnesium	**6100**		510	2.1	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Manganese	**320**		1.5	0.091	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Nickel	**22**		4.1	0.049	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Potassium	**740**		510	6.5	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Selenium	**0.56**	**J**	1.0	0.27	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Silver	ND		0.51	0.041	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Sodium	**160**	**J**	510	1.1	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Vanadium	**13**	**B**	5.1	0.18	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1
Zinc	**56**	**B**	2.0	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 12:32	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.029**	**J**	0.035	0.012	mg/Kg	☼	08/27/14 09:11	08/27/14 12:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.0**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**93**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	**1.8**		0.54	0.16	mg/Kg	☼	08/22/14 07:00	08/22/14 09:53	1

Client Sample ID: SSHS-B67-0.17-2 (1) **Lab Sample ID: 180-35818-8**

Date Collected: 08/14/14 13:47 **Matrix: Solid**

Date Received: 08/15/14 09:10 **Percent Solids: 89.9**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	5.5	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Benzene	ND		5.5	0.75	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Bromoform	ND		5.5	0.49	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Bromomethane	ND		5.5	0.82	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
2-Butanone (MEK)	ND		5.5	0.98	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Carbon disulfide	ND		5.5	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Carbon tetrachloride	ND		5.5	0.49	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Chlorobenzene	ND		5.5	0.84	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Chlorobromomethane	ND		5.5	0.76	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Chlorodibromomethane	ND		5.5	0.79	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Chloroethane	ND		5.5	1.7	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Chloroform	ND		5.5	0.65	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Chloromethane	ND		5.5	0.94	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
cis-1,2-Dichloroethene	ND		5.5	0.78	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
cis-1,3-Dichloropropene	ND		5.5	0.75	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Cyclohexane	ND		5.5	0.41	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
1,2-Dibromo-3-Chloropropane	ND		5.5	0.83	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
1,2-Dibromoethane	ND		5.5	0.95	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
1,2-Dichlorobenzene	ND		5.5	0.88	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
1,3-Dichlorobenzene	ND		5.5	0.73	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
1,4-Dichlorobenzene	ND		5.5	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Dichlorobromomethane	ND		5.5	0.62	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Dichlorodifluoromethane	ND		5.5	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
1,1-Dichloroethane	ND		5.5	0.64	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
1,2-Dichloroethane	ND		5.5	0.68	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
1,1-Dichloroethene	ND		5.5	0.94	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
1,2-Dichloropropane	ND		5.5	0.60	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
1,4-Dioxane	ND		1100	310	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Ethylbenzene	ND		5.5	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
2-Hexanone	ND		5.5	0.76	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Isopropylbenzene	ND		5.5	0.75	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Methyl acetate	ND		5.5	1.0	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Methylcyclohexane	ND		5.5	0.80	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Methylene Chloride	ND		5.5	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	0.72	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Methyl tert-butyl ether	ND		5.5	0.83	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
o-Xylene	ND		5.5	0.86	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Styrene	ND		5.5	0.78	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
1,1,2,2-Tetrachloroethane	ND		5.5	0.79	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Tetrachloroethene	ND		5.5	0.75	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Toluene	ND		5.5	0.81	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
trans-1,2-Dichloroethene	ND		5.5	0.66	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
trans-1,3-Dichloropropene	ND		5.5	0.66	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
1,2,3-Trichlorobenzene	ND		5.5	0.93	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
1,2,4-Trichlorobenzene	ND		5.5	0.98	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
1,1,1-Trichloroethane	ND		5.5	0.54	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
1,1,2-Trichloroethane	ND		5.5	0.92	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Trichloroethene	**2.5**	**J**	5.5	0.73	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1

Client Sample Results

Client Sample ID: SSHS-B67-0.17-2 (1)

Lab Sample ID: 180-35818-8

Date Collected: 08/14/14 13:47
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		5.5	1.0	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1
Vinyl chloride	ND		5.5	0.52	ug/Kg	☼	08/19/14 04:07	08/19/14 12:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/19/14 04:07*	*08/19/14 12:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*63 - 120*	*08/19/14 04:07*	*08/19/14 12:14*	*1*
Dibromofluoromethane (Surr)	*105*		*68 - 121*	*08/19/14 04:07*	*08/19/14 12:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*	*08/19/14 04:07*	*08/19/14 12:14*	*1*
Toluene-d8 (Surr)	*112*		*72 - 127*	*08/19/14 04:07*	*08/19/14 12:14*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	7.1	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Acenaphthylene	**37**	**J**	75	8.5	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Acetophenone	**65**	**J**	370	31	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Anthracene	**38**	**J**	75	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Atrazine	ND		370	36	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Benzo[a]anthracene	**100**		75	9.3	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Benzo[a]pyrene	**85**		75	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Benzo[b]fluoranthene	**150**		75	12	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Benzo[g,h,i]perylene	**86**		75	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Benzo[k]fluoranthene	**53**	**J**	75	15	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
1,1'-Biphenyl	**55**	**J**	370	33	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Bis(2-chloroethoxy)methane	ND		370	24	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Bis(2-ethylhexyl) phthalate	ND		750	60	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Carbazole	**22**	**J**	75	6.8	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
2-Chloronaphthalene	ND		75	7.7	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
2-Chlorophenol	ND		370	30	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Chrysene	**180**		75	8.8	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Dibenz(a,h)anthracene	ND		75	8.3	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Dibenzofuran	**130**	**J**	370	37	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
2,4-Dichlorophenol	ND		75	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Dimethyl phthalate	ND		370	40	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1

Client Sample Results

Client Sample ID: SSHS-B67-0.17-2 (1)
Date Collected: 08/14/14 13:47
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-8
Matrix: Solid
Percent Solids: 89.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Fluoranthene	**150**		75	7.9	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Fluorene	**24**	**J**	75	9.8	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Hexachlorobenzene	ND		75	7.9	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Hexachlorobutadiene	ND		75	8.3	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Indeno[1,2,3-cd]pyrene	**62**	**J**	75	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Isophorone	ND		370	28	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
2-Methylnaphthalene	**460**		75	6.7	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Methylphenol, 3 & 4	ND		370	36	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Naphthalene	**300**		75	6.4	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
N-Nitrosodi-n-propylamine	ND		75	8.7	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
N-Nitrosodiphenylamine	ND		370	34	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
2,2'-oxybis[1-chloropropane]	ND		75	8.0	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Phenanthrene	**280**		75	12	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Phenol	ND		75	8.8	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
Pyrene	**130**		75	7.5	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/26/14 18:45	08/27/14 15:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*480*	*T J*	*ug/Kg*	☼	*10.02*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*460*	*T J*	*ug/Kg*	☼	*10.34*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*990*	*T J*	*ug/Kg*	☼	*10.53*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown	*830*	*T J*	*ug/Kg*	☼	*10.55*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*5700*	*T J*	*ug/Kg*	☼	*10.94*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*1100*	*T J*	*ug/Kg*	☼	*11.01*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*1400*	*T J*	*ug/Kg*	☼	*11.09*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*910*	*T J*	*ug/Kg*	☼	*11.14*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*3500*	*T J*	*ug/Kg*	☼	*11.23*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*2700*	*T J*	*ug/Kg*	☼	*11.27*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*1600*	*T J*	*ug/Kg*	☼	*11.30*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*3300*	*T J*	*ug/Kg*	☼	*11.42*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*11.46*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*870*	*T J*	*ug/Kg*	☼	*11.49*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*1100*	*T J*	*ug/Kg*	☼	*11.53*		*08/26/14 18:45*	*08/27/14 15:30*	*1*

Client Sample ID: SSHS-B67-0.17-2 (1)

Lab Sample ID: 180-35818-8
Date Collected: 08/14/14 13:47
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 89.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Substituted Biphenyl	*2200*	*T J*	*ug/Kg*	☼	*11.55*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*780*	*T J*	*ug/Kg*	☼	*11.63*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*2000*	*T J*	*ug/Kg*	☼	*11.78*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*4100*	*T J*	*ug/Kg*	☼	*11.82*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*4000*	*T J*	*ug/Kg*	☼	*11.85*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*3100*	*T J*	*ug/Kg*	☼	*12.03*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*1700*	*T J*	*ug/Kg*	☼	*12.07*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*750*	*T J*	*ug/Kg*	☼	*12.13*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*810*	*T J*	*ug/Kg*	☼	*12.37*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*1700*	*T J*	*ug/Kg*	☼	*12.48*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*580*	*T J*	*ug/Kg*	☼	*12.62*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown	*770*	*T J*	*ug/Kg*	☼	*12.73*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*1500*	*T J*	*ug/Kg*	☼	*12.79*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*1200*	*T J*	*ug/Kg*	☼	*13.12*		*08/26/14 18:45*	*08/27/14 15:30*	*1*
Unknown Substituted Biphenyl	*570*	*T J*	*ug/Kg*	☼	*13.39*		*08/26/14 18:45*	*08/27/14 15:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*08/26/14 18:45*	*08/27/14 15:30*	*1*
2-Fluorophenol (Surr)	*65*		*39 - 103*	*08/26/14 18:45*	*08/27/14 15:30*	*1*
Nitrobenzene-d5 (Surr)	*71*		*25 - 104*	*08/26/14 18:45*	*08/27/14 15:30*	*1*
Phenol-d5 (Surr)	*65*		*25 - 105*	*08/26/14 18:45*	*08/27/14 15:30*	*1*
Terphenyl-d14 (Surr)	*64*		*25 - 127*	*08/26/14 18:45*	*08/27/14 15:30*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*35 - 124*	*08/26/14 18:45*	*08/27/14 15:30*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/26/14 07:50	08/27/14 13:04	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 13:04	1
alpha-Chlordane	**54**	**p**	1.9	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 13:04	1
4,4'-DDD	**22**	**p**	1.9	0.24	ug/Kg	☼	08/26/14 07:50	08/27/14 13:04	1
4,4'-DDE	ND		1.9	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 13:04	1
4,4'-DDT	**200**	**p**	1.9	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 13:04	1
Dieldrin	**120**		1.9	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 13:04	1
Endosulfan I	**210**		1.9	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 13:04	1
Endosulfan II	**33**	**p**	1.9	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 13:04	1
Endosulfan sulfate	**110**	**p**	1.9	0.19	ug/Kg	☼	08/26/14 07:50	08/27/14 13:04	1
Endrin aldehyde	**130**		1.9	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 13:04	1
Endrin ketone	**83**	**p**	1.9	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 13:04	1
gamma-BHC (Lindane)	**27**	**p**	1.9	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 13:04	1
Toxaphene	ND		73	12	ug/Kg	☼	08/26/14 07:50	08/27/14 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/26/14 07:50*	*08/27/14 13:04*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 130*	*08/26/14 07:50*	*08/27/14 13:04*	*1*
Tetrachloro-m-xylene	*100*		*45 - 130*	*08/26/14 07:50*	*08/27/14 13:04*	*1*
Tetrachloro-m-xylene	*69*		*45 - 130*	*08/26/14 07:50*	*08/27/14 13:04*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	**450**	**p**	37	9.4	ug/Kg	☼	08/26/14 07:50	08/28/14 12:14	20

Client Sample Results

Client Sample ID: SSHS-B67-0.17-2 (1)

Date Collected: 08/14/14 13:47
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-8
Matrix: Solid
Percent Solids: 89.9

Method: 8081B - Organochlorine Pesticides (GC) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		37	5.6	ug/Kg	☼	08/26/14 07:50	08/28/14 12:14	20
Endrin	**680**	**p**	37	7.1	ug/Kg	☼	08/26/14 07:50	08/28/14 12:14	20
gamma-Chlordane	**3300**		37	7.2	ug/Kg	☼	08/26/14 07:50	08/28/14 12:14	20
Heptachlor	**590**	**p**	37	8.1	ug/Kg	☼	08/26/14 07:50	08/28/14 12:14	20
Heptachlor epoxide	**4500**		37	7.1	ug/Kg	☼	08/26/14 07:50	08/28/14 12:14	20
Methoxychlor	**650**	**p**	72	7.6	ug/Kg	☼	08/26/14 07:50	08/28/14 12:14	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*	*D*	*45 - 130*	*08/26/14 07:50*	*08/28/14 12:14*	*20*
DCB Decachlorobiphenyl (Surr)	*96*	*D*	*45 - 130*	*08/26/14 07:50*	*08/28/14 12:14*	*20*
Tetrachloro-m-xylene	*118*	*D*	*45 - 130*	*08/26/14 07:50*	*08/28/14 12:14*	*20*
Tetrachloro-m-xylene	*83*	*D*	*45 - 130*	*08/26/14 07:50*	*08/28/14 12:14*	*20*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		3600	540	ug/Kg	☼	08/26/14 07:50	08/28/14 18:46	200
PCB-1221	ND		3600	690	ug/Kg	☼	08/26/14 07:50	08/28/14 18:46	200
PCB-1232	ND		3600	620	ug/Kg	☼	08/26/14 07:50	08/28/14 18:46	200
PCB-1242	ND		3600	590	ug/Kg	☼	08/26/14 07:50	08/28/14 18:46	200
PCB-1248	**260000**		3600	340	ug/Kg	☼	08/26/14 07:50	08/28/14 18:46	200
PCB-1254	ND		3600	520	ug/Kg	☼	08/26/14 07:50	08/28/14 18:46	200
PCB-1260	**12000**		3600	520	ug/Kg	☼	08/26/14 07:50	08/28/14 18:46	200
PCB-1262	ND		3600	800	ug/Kg	☼	08/26/14 07:50	08/28/14 18:46	200
PCB-1268	ND		3600	470	ug/Kg	☼	08/26/14 07:50	08/28/14 18:46	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*107*	*D*	*45 - 125*	*08/26/14 07:50*	*08/28/14 18:46*	*200*
DCB Decachlorobiphenyl (Surr)	*119*	*D*	*45 - 125*	*08/26/14 07:50*	*08/28/14 19:17*	*200*
Tetrachloro-m-xylene (Surr)	*168*	*D X*	*45 - 135*	*08/26/14 07:50*	*08/28/14 18:46*	*200*
Tetrachloro-m-xylene (Surr)	*115*	*D*	*45 - 135*	*08/26/14 07:50*	*08/28/14 19:17*	*200*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8100**		21	2.2	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Antimony	**0.93**	**J**	1.1	0.21	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Arsenic	**21**		1.1	0.32	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Barium	**270**		21	0.014	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Beryllium	**0.39**	**J**	0.42	0.012	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Cadmium	**0.32**	**J B**	0.53	0.015	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Calcium	**29000**		530	1.6	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Chromium	**47**	**B**	0.53	0.082	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Cobalt	**12**		5.3	0.044	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Copper	**980**		2.6	0.15	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Iron	**38000**		11	0.94	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Lead	**590**		1.1	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Magnesium	**4200**		530	2.2	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Manganese	**410**		1.6	0.094	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Nickel	**870**		4.2	0.050	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Potassium	**610**		530	6.8	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Selenium	**1.8**		1.1	0.28	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1

Client Sample Results

Client Sample ID: SSHS-B67-0.17-2 (1)

Lab Sample ID: 180-35818-8

Date Collected: 08/14/14 13:47

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 89.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.39**	**J**	0.53	0.043	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Sodium	**640**		530	1.1	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Thallium	ND		2.1	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Vanadium	**16**	**B**	5.3	0.19	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1
Zinc	**250**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 12:37	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.65**		0.036	0.012	mg/Kg	☼	08/27/14 09:11	08/27/14 12:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**90**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	**0.32**	**J**	0.56	0.17	mg/Kg	☼	08/22/14 07:00	08/22/14 09:53	1

Client Sample ID: SSHS-B67-2-6 (4.5)

Lab Sample ID: 180-35818-9

Date Collected: 08/14/14 14:00

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 83.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.6	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Benzene	ND		4.6	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Bromoform	ND		4.6	0.40	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Bromomethane	ND		4.6	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
2-Butanone (MEK)	ND		4.6	0.81	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Carbon disulfide	ND		4.6	0.47	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Carbon tetrachloride	ND		4.6	0.41	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Chlorobenzene	ND		4.6	0.69	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Chlorobromomethane	ND		4.6	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Chlorodibromomethane	ND		4.6	0.65	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Chloroethane	ND		4.6	1.4	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Chloroform	ND		4.6	0.53	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Chloromethane	ND		4.6	0.78	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
cis-1,2-Dichloroethene	ND		4.6	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
cis-1,3-Dichloropropene	ND		4.6	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Cyclohexane	ND		4.6	0.34	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
1,2-Dibromo-3-Chloropropane	ND		4.6	0.68	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
1,2-Dibromoethane	ND		4.6	0.79	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
1,2-Dichlorobenzene	ND		4.6	0.73	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
1,3-Dichlorobenzene	ND		4.6	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
1,4-Dichlorobenzene	ND		4.6	0.58	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Dichlorobromomethane	ND		4.6	0.51	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Dichlorodifluoromethane	ND		4.6	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
1,1-Dichloroethane	ND		4.6	0.53	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
1,2-Dichloroethane	ND		4.6	0.56	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
1,1-Dichloroethene	ND		4.6	0.77	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
1,2-Dichloropropane	ND		4.6	0.50	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
1,4-Dioxane	ND		910	250	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1

Client Sample Results

Client Sample ID: SSHS-B67-2-6 (4.5)

Lab Sample ID: 180-35818-9

Date Collected: 08/14/14 14:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		4.6	0.59	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
2-Hexanone	ND		4.6	0.63	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Isopropylbenzene	ND		4.6	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Methyl acetate	ND		4.6	0.82	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Methylcyclohexane	ND		4.6	0.66	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Methylene Chloride	ND		4.6	0.61	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Methyl tert-butyl ether	ND		4.6	0.68	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
m-Xylene & p-Xylene	ND		9.1	1.3	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
o-Xylene	ND		4.6	0.71	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Styrene	ND		4.6	0.64	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.66	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Tetrachloroethene	ND		4.6	0.62	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Toluene	ND		4.6	0.67	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
trans-1,2-Dichloroethene	ND		4.6	0.54	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
trans-1,3-Dichloropropene	ND		4.6	0.55	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
1,2,3-Trichlorobenzene	ND		4.6	0.77	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
1,2,4-Trichlorobenzene	ND		4.6	0.81	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
1,1,1-Trichloroethane	ND		4.6	0.44	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
1,1,2-Trichloroethane	ND		4.6	0.76	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Trichloroethene	**0.60**	**J**	4.6	0.60	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Trichlorofluoromethane	ND		4.6	0.84	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	0.98	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1
Vinyl chloride	ND		4.6	0.43	ug/Kg	☼	08/18/14 04:22	08/18/14 07:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/18/14 04:22*	*08/18/14 07:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*63 - 120*	*08/18/14 04:22*	*08/18/14 07:09*	*1*
Dibromofluoromethane (Surr)	*109*		*68 - 121*	*08/18/14 04:22*	*08/18/14 07:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*52 - 124*	*08/18/14 04:22*	*08/18/14 07:09*	*1*
Toluene-d8 (Surr)	*109*		*72 - 127*	*08/18/14 04:22*	*08/18/14 07:09*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**680**		80	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Acenaphthylene	**48**	**J**	80	9.1	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Acetophenone	**77**	**J**	390	33	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Anthracene	**1200**		80	7.8	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Atrazine	ND		390	39	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Benzaldehyde	ND		390	60	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Benzo[a]anthracene	**1800**		80	10	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Benzo[a]pyrene	**1600**		80	8.0	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Benzo[b]fluoranthene	**1800**		80	13	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Benzo[g,h,i]perylene	**1300**		80	7.9	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Benzo[k]fluoranthene	**780**		80	16	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
1,1'-Biphenyl	**120**	**J**	390	35	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Bis(2-chloroethoxy)methane	ND		390	26	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Bis(2-chloroethyl)ether	ND		80	11	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1

Client Sample ID: SSHS-B67-2-6 (4.5)
Date Collected: 08/14/14 14:00
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-9
Matrix: Solid
Percent Solids: 83.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		800	64	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
4-Bromophenyl phenyl ether	ND		390	35	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Butyl benzyl phthalate	ND		390	54	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Caprolactam	ND		2000	300	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Carbazole	**370**		80	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
4-Chloroaniline	ND		390	32	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
4-Chloro-3-methylphenol	ND		390	37	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
2-Chloronaphthalene	ND		80	8.3	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
2-Chlorophenol	ND		390	33	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
4-Chlorophenyl phenyl ether	ND		390	44	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Chrysene	**1800**		80	9.5	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Dibenz(a,h)anthracene	**280**		80	8.8	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Dibenzofuran	**530**		390	39	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
3,3'-Dichlorobenzidine	ND		390	42	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
2,4-Dichlorophenol	ND		80	8.0	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Diethyl phthalate	ND		390	43	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
2,4-Dimethylphenol	ND		390	62	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Dimethyl phthalate	ND		390	43	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Di-n-butyl phthalate	ND		390	50	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
2,4-Dinitrophenol	ND		2000	470	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
2,4-Dinitrotoluene	ND		390	32	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
2,6-Dinitrotoluene	ND		390	41	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Di-n-octyl phthalate	ND		390	42	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
1,4-Dioxane	ND		800	46	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Fluoranthene	**4900**		80	8.5	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Fluorene	**660**		80	10	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Hexachlorobenzene	ND		80	8.5	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Hexachlorobutadiene	ND		80	8.9	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Hexachlorocyclopentadiene	ND		390	43	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Hexachloroethane	ND		390	29	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Indeno[1,2,3-cd]pyrene	**1100**		80	8.2	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Isophorone	ND		390	30	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
2-Methylnaphthalene	**730**		80	7.2	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
2-Methylphenol	ND		390	28	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Methylphenol, 3 & 4	ND		390	39	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Naphthalene	**660**		80	6.9	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Nitrobenzene	ND		800	33	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
2-Nitrophenol	ND		390	44	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
4-Nitrophenol	ND		2000	150	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
N-Nitrosodi-n-propylamine	ND		80	9.3	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
N-Nitrosodiphenylamine	ND		390	37	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
2,2'-oxybis[1-chloropropane]	ND		80	8.6	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Pentachlorophenol	ND		390	36	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Phenanthrene	**4200**		80	13	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
Phenol	ND		80	9.4	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1

Client Sample Results

Client Sample ID: SSHS-B67-2-6 (4.5)

Lab Sample ID: 180-35818-9

Date Collected: 08/14/14 14:00
Date Received: 08/15/14 09:10
Matrix: Solid
Percent Solids: 83.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	**3400**		80	8.0	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
1,2,4,5-Tetrachlorobenzene	ND		390	30	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
2,3,4,6-Tetrachlorophenol	ND		390	26	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
2,4,5-Trichlorophenol	ND		390	42	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1
2,4,6-Trichlorophenol	ND		390	60	ug/Kg	☼	08/26/14 18:45	08/27/14 15:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*680*	*T J*	*ug/Kg*	☼	*10.02*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*610*	*T J*	*ug/Kg*	☼	*10.34*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*2200*	*T J*	*ug/Kg*	☼	*10.52*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*10.55*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*770*	*T J*	*ug/Kg*	☼	*10.84*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*6500*	*T J*	*ug/Kg*	☼	*10.94*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*1400*	*T J*	*ug/Kg*	☼	*11.02*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*1600*	*T J*	*ug/Kg*	☼	*11.10*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*1700*	*T J*	*ug/Kg*	☼	*11.13*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*4300*	*T J*	*ug/Kg*	☼	*11.23*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*3800*	*T J*	*ug/Kg*	☼	*11.27*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*1900*	*T J*	*ug/Kg*	☼	*11.30*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*4300*	*T J*	*ug/Kg*	☼	*11.43*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*1400*	*T J*	*ug/Kg*	☼	*11.46*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*11.49*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*1300*	*T J*	*ug/Kg*	☼	*11.52*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*2700*	*T J*	*ug/Kg*	☼	*11.55*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*1100*	*T J*	*ug/Kg*	☼	*11.62*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*2500*	*T J*	*ug/Kg*	☼	*11.78*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*4800*	*T J*	*ug/Kg*	☼	*11.82*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*4800*	*T J*	*ug/Kg*	☼	*11.85*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*3700*	*T J*	*ug/Kg*	☼	*12.02*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*2100*	*T J*	*ug/Kg*	☼	*12.07*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*970*	*T J*	*ug/Kg*	☼	*12.12*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*1100*	*T J*	*ug/Kg*	☼	*12.37*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*940*	*T J*	*ug/Kg*	☼	*12.47*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown	*610*	*T J*	*ug/Kg*	☼	*12.74*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown Substituted Biphenyl	*630*	*T J*	*ug/Kg*	☼	*12.78*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown PAH	*1600*	*T J*	*ug/Kg*	☼	*17.01*		*08/26/14 18:45*	*08/27/14 15:59*	*1*
Unknown	*980*	*T J*	*ug/Kg*	☼	*19.09*		*08/26/14 18:45*	*08/27/14 15:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*35 - 105*	*08/26/14 18:45*	*08/27/14 15:59*	*1*
2-Fluorophenol (Surr)	*69*		*39 - 103*	*08/26/14 18:45*	*08/27/14 15:59*	*1*
Nitrobenzene-d5 (Surr)	*74*		*25 - 104*	*08/26/14 18:45*	*08/27/14 15:59*	*1*
Phenol-d5 (Surr)	*69*		*25 - 105*	*08/26/14 18:45*	*08/27/14 15:59*	*1*
Terphenyl-d14 (Surr)	*68*		*25 - 127*	*08/26/14 18:45*	*08/27/14 15:59*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*35 - 124*	*08/26/14 18:45*	*08/27/14 15:59*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		2.0	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 13:20	1
alpha-Chlordane	**40**	**p**	2.0	0.39	ug/Kg	☼	08/26/14 07:50	08/27/14 13:20	1

Client Sample ID: SSHS-B67-2-6 (4.5)
Lab Sample ID: 180-35818-9
Date Collected: 08/14/14 14:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 83.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	**220**	**p**	2.0	0.51	ug/Kg	☼	08/26/14 07:50	08/27/14 13:20	1
4,4'-DDD	**10**	**p**	2.0	0.26	ug/Kg	☼	08/26/14 07:50	08/27/14 13:20	1
4,4'-DDE	ND		2.0	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 13:20	1
4,4'-DDT	**150**	**p**	2.0	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 13:20	1
delta-BHC	ND		2.0	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 13:20	1
Dieldrin	**82**		2.0	0.33	ug/Kg	☼	08/26/14 07:50	08/27/14 13:20	1
Endosulfan I	**130**		2.0	0.37	ug/Kg	☼	08/26/14 07:50	08/27/14 13:20	1
Endosulfan II	**30**	**p**	2.0	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 13:20	1
Endosulfan sulfate	**78**	**p**	2.0	0.21	ug/Kg	☼	08/26/14 07:50	08/27/14 13:20	1
Endrin aldehyde	**89**		2.0	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 13:20	1
Endrin ketone	**58**	**p**	2.0	0.31	ug/Kg	☼	08/26/14 07:50	08/27/14 13:20	1
gamma-BHC (Lindane)	**17**	**p**	2.0	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 13:20	1
Heptachlor	**250**	**p**	2.0	0.44	ug/Kg	☼	08/26/14 07:50	08/27/14 13:20	1
Toxaphene	ND		79	13	ug/Kg	☼	08/26/14 07:50	08/27/14 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*59*		*45 - 130*	*08/26/14 07:50*	*08/27/14 13:20*	*1*
DCB Decachlorobiphenyl (Surr)	*60*		*45 - 130*	*08/26/14 07:50*	*08/27/14 13:20*	*1*
Tetrachloro-m-xylene	*80*		*45 - 130*	*08/26/14 07:50*	*08/27/14 13:20*	*1*
Tetrachloro-m-xylene	*62*		*45 - 130*	*08/26/14 07:50*	*08/27/14 13:20*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**880**	**p**	40	7.1	ug/Kg	☼	08/26/14 07:50	08/28/14 12:29	20
Endrin	**490**	**p**	40	7.7	ug/Kg	☼	08/26/14 07:50	08/28/14 12:29	20
gamma-Chlordane	**2100**		40	7.8	ug/Kg	☼	08/26/14 07:50	08/28/14 12:29	20
Heptachlor epoxide	**2700**		40	7.7	ug/Kg	☼	08/26/14 07:50	08/28/14 12:29	20
Methoxychlor	**470**	**p**	78	8.2	ug/Kg	☼	08/26/14 07:50	08/28/14 12:29	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*	*D*	*45 - 130*	*08/26/14 07:50*	*08/28/14 12:29*	*20*
DCB Decachlorobiphenyl (Surr)	*79*	*D*	*45 - 130*	*08/26/14 07:50*	*08/28/14 12:29*	*20*
Tetrachloro-m-xylene	*96*	*D*	*45 - 130*	*08/26/14 07:50*	*08/28/14 12:29*	*20*
Tetrachloro-m-xylene	*73*	*D*	*45 - 130*	*08/26/14 07:50*	*08/28/14 12:29*	*20*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		3900	590	ug/Kg	☼	08/26/14 07:50	08/28/14 19:17	200
PCB-1221	ND		3900	750	ug/Kg	☼	08/26/14 07:50	08/28/14 19:17	200
PCB-1232	ND		3900	680	ug/Kg	☼	08/26/14 07:50	08/28/14 19:17	200
PCB-1242	ND		3900	640	ug/Kg	☼	08/26/14 07:50	08/28/14 19:17	200
PCB-1248	**160000**		3900	370	ug/Kg	☼	08/26/14 07:50	08/28/14 19:17	200
PCB-1254	ND		3900	560	ug/Kg	☼	08/26/14 07:50	08/28/14 19:17	200
PCB-1260	**8300**		3900	560	ug/Kg	☼	08/26/14 07:50	08/28/14 19:17	200
PCB-1262	ND		3900	860	ug/Kg	☼	08/26/14 07:50	08/28/14 19:17	200
PCB-1268	ND		3900	510	ug/Kg	☼	08/26/14 07:50	08/28/14 19:17	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*	*D p*	*45 - 125*	*08/26/14 07:50*	*08/28/14 19:17*	*200*
DCB Decachlorobiphenyl (Surr)	*625*	*D X*	*45 - 125*	*08/26/14 07:50*	*08/28/14 19:49*	*200*
Tetrachloro-m-xylene (Surr)	*131*	*D*	*45 - 135*	*08/26/14 07:50*	*08/28/14 19:17*	*200*

Client Sample Results

Client Sample ID: SSHS-B67-2-6 (4.5)

Lab Sample ID: 180-35818-9
Date Collected: 08/14/14 14:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 83.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*108*	*D*	*45 - 135*	*08/26/14 07:50*	*08/28/14 19:49*	*200*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4900**		22	2.3	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Antimony	**0.66**	**J**	1.1	0.22	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Arsenic	**83**		1.1	0.34	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Barium	**160**		22	0.014	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Beryllium	**0.45**		0.44	0.012	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Cadmium	ND		0.55	0.016	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Calcium	**6100**		550	1.7	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Chromium	**29**	**B**	0.55	0.085	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Cobalt	**5.8**		5.5	0.046	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Copper	**210**		2.8	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Iron	**39000**		11	0.98	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Lead	**220**		1.1	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Magnesium	**2000**		550	2.3	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Manganese	**290**		1.7	0.098	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Nickel	**160**		4.4	0.052	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Potassium	**680**		550	7.1	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Selenium	**5.1**		1.1	0.30	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Silver	ND		0.55	0.045	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Sodium	**340**	**J**	550	1.2	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Thallium	**0.32**	**J**	2.2	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Vanadium	**18**	**B**	5.5	0.19	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1
Zinc	**120**	**B**	2.2	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 12:53	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.85**		0.039	0.013	mg/Kg	☼	08/27/14 09:11	08/27/14 12:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**84**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	**0.67**		0.60	0.18	mg/Kg	☼	08/22/14 07:00	08/22/14 09:53	1

Client Sample ID: SSHS-B67-8-10 (9)

Lab Sample ID: 180-35818-10
Date Collected: 08/14/14 14:15
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	5.3	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Benzene	ND		5.3	0.72	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Bromoform	ND		5.3	0.47	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Bromomethane	ND		5.3	0.79	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
2-Butanone (MEK)	ND		5.3	0.94	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Carbon disulfide	ND		5.3	0.55	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Carbon tetrachloride	ND		5.3	0.48	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1

Client Sample ID: SSHS-B67-8-10 (9) **Lab Sample ID: 180-35818-10**
Date Collected: 08/14/14 14:15 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		5.3	0.81	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Chlorobromomethane	ND		5.3	0.73	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Chlorodibromomethane	ND		5.3	0.76	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Chloroethane	ND		5.3	1.7	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Chloroform	ND		5.3	0.62	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Chloromethane	ND		5.3	0.91	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
cis-1,2-Dichloroethene	ND		5.3	0.75	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
cis-1,3-Dichloropropene	ND		5.3	0.72	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Cyclohexane	ND		5.3	0.40	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
1,2-Dibromo-3-Chloropropane	ND		5.3	0.80	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
1,2-Dibromoethane	ND		5.3	0.92	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
1,2-Dichlorobenzene	ND		5.3	0.85	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
1,3-Dichlorobenzene	ND		5.3	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
1,4-Dichlorobenzene	ND		5.3	0.68	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Dichlorobromomethane	ND		5.3	0.60	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Dichlorodifluoromethane	ND		5.3	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
1,1-Dichloroethane	ND		5.3	0.61	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
1,2-Dichloroethane	ND		5.3	0.65	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
1,1-Dichloroethene	ND		5.3	0.91	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
1,2-Dichloropropane	ND		5.3	0.58	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
1,4-Dioxane	ND		1100	290	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Ethylbenzene	ND		5.3	0.69	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
2-Hexanone	ND		5.3	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Isopropylbenzene	ND		5.3	0.72	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Methyl acetate	ND		5.3	0.96	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Methylcyclohexane	ND		5.3	0.77	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Methylene Chloride	ND		5.3	0.72	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Methyl tert-butyl ether	ND		5.3	0.80	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
o-Xylene	ND		5.3	0.83	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Styrene	ND		5.3	0.75	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.77	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Tetrachloroethene	ND		5.3	0.73	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Toluene	ND		5.3	0.78	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
trans-1,2-Dichloroethene	ND		5.3	0.64	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
trans-1,3-Dichloropropene	ND		5.3	0.64	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
1,2,3-Trichlorobenzene	ND		5.3	0.90	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
1,2,4-Trichlorobenzene	ND		5.3	0.94	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
1,1,1-Trichloroethane	ND		5.3	0.52	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
1,1,2-Trichloroethane	ND		5.3	0.89	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Trichloroethene	ND		5.3	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Trichlorofluoromethane	ND		5.3	0.98	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.1	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1
Vinyl chloride	ND		5.3	0.50	ug/Kg	☼	08/19/14 04:07	08/19/14 12:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/19/14 04:07*	*08/19/14 12:39*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

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

Client Sample ID: SSHS-B67-8-10 (9)
Date Collected: 08/14/14 14:15
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-10
Matrix: Solid
Percent Solids: 90.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*63 - 120*	*08/19/14 04:07*	*08/19/14 12:39*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/19/14 04:07*	*08/19/14 12:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*52 - 124*	*08/19/14 04:07*	*08/19/14 12:39*	*1*
Toluene-d8 (Surr)	*100*		*72 - 127*	*08/19/14 04:07*	*08/19/14 12:39*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Acenaphthylene	ND		73	8.3	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Acetophenone	ND		360	30	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Anthracene	**11**	**J**	73	7.1	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Atrazine	ND		360	35	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Benzo[a]anthracene	ND		73	9.1	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Benzo[a]pyrene	ND		73	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Benzo[b]fluoranthene	ND		73	11	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Benzo[g,h,i]perylene	ND		73	7.2	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Benzo[k]fluoranthene	ND		73	15	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Bis(2-chloroethyl)ether	ND		73	9.8	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Caprolactam	ND		1900	270	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Carbazole	ND		73	6.7	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Chrysene	ND		73	8.7	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Dibenz(a,h)anthracene	ND		73	8.1	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Diethyl phthalate	**47**	**J**	360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
2,4-Dinitrophenol	ND		1900	430	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Fluoranthene	**30**	**J**	73	7.8	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Fluorene	ND		73	9.6	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Hexachlorobenzene	ND		73	7.8	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Hexachlorobutadiene	ND		73	8.1	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1

Client Sample ID: SSHS-B67-8-10 (9)
Date Collected: 08/14/14 14:15
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-10
Matrix: Solid
Percent Solids: 90.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Indeno[1,2,3-cd]pyrene	ND		73	7.5	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Isophorone	ND		360	27	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
2-Methylnaphthalene	**9.6**	**J**	73	6.5	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Naphthalene	ND		73	6.3	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
N-Nitrosodi-n-propylamine	ND		73	8.5	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
2,2'-oxybis[1-chloropropane]	ND		73	7.9	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Phenanthrene	**26**	**J**	73	12	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Phenol	ND		73	8.6	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
Pyrene	**21**	**J**	73	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/26/14 18:45	08/27/14 17:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*220*	*T J*	*ug/Kg*	☼	*10.46*		*08/26/14 18:45*	*08/27/14 17:29*	*1*
Unknown	*750*	*T J*	*ug/Kg*	☼	*13.13*		*08/26/14 18:45*	*08/27/14 17:29*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*13.18*		*08/26/14 18:45*	*08/27/14 17:29*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*16.09*		*08/26/14 18:45*	*08/27/14 17:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*35 - 105*	*08/26/14 18:45*	*08/27/14 17:29*	*1*
2-Fluorophenol (Surr)	*71*		*39 - 103*	*08/26/14 18:45*	*08/27/14 17:29*	*1*
Nitrobenzene-d5 (Surr)	*74*		*25 - 104*	*08/26/14 18:45*	*08/27/14 17:29*	*1*
Phenol-d5 (Surr)	*71*		*25 - 105*	*08/26/14 18:45*	*08/27/14 17:29*	*1*
Terphenyl-d14 (Surr)	*64*		*25 - 127*	*08/26/14 18:45*	*08/27/14 17:29*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*35 - 124*	*08/26/14 18:45*	*08/27/14 17:29*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
beta-BHC	**0.59**	**J p**	1.9	0.47	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
4,4'-DDE	ND		1.9	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
4,4'-DDT	**0.40**	**J p**	1.9	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1

Client Sample ID: SSHS-B67-8-10 (9)
Date Collected: 08/14/14 14:15
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-10
Matrix: Solid
Percent Solids: 90.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND		1.9	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
Endosulfan I	**0.45**	**J p**	1.9	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
Endrin	**1.9**	**p**	1.9	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
Endrin aldehyde	ND		1.9	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
Endrin ketone	ND		1.9	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
gamma-Chlordane	**7.6**		1.9	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
Heptachlor	**1.1**	**J p**	1.9	0.40	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
Heptachlor epoxide	**9.6**		1.9	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
Methoxychlor	**0.63**	**J p**	3.6	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1
Toxaphene	ND		73	12	ug/Kg	☼	08/26/14 07:50	08/27/14 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/26/14 07:50*	*08/27/14 14:06*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 130*	*08/26/14 07:50*	*08/27/14 14:06*	*1*
Tetrachloro-m-xylene	*77*		*45 - 130*	*08/26/14 07:50*	*08/27/14 14:06*	*1*
Tetrachloro-m-xylene	*73*		*45 - 130*	*08/26/14 07:50*	*08/27/14 14:06*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/26/14 07:50	08/27/14 17:27	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/26/14 07:50	08/27/14 17:27	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/26/14 07:50	08/27/14 17:27	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/26/14 07:50	08/27/14 17:27	1
PCB-1248	**500**		18	1.7	ug/Kg	☼	08/26/14 07:50	08/27/14 17:27	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/26/14 07:50	08/27/14 17:27	1
PCB-1260	**22**		18	2.6	ug/Kg	☼	08/26/14 07:50	08/27/14 17:27	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/26/14 07:50	08/27/14 17:27	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/26/14 07:50	08/27/14 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/26/14 07:50*	*08/27/14 17:27*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/26/14 07:50*	*08/27/14 17:59*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*45 - 135*	*08/26/14 07:50*	*08/27/14 17:27*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*45 - 135*	*08/26/14 07:50*	*08/27/14 17:59*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5900**		23	2.4	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Antimony	ND		1.1	0.23	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Arsenic	**43**		1.1	0.35	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Barium	**58**		23	0.015	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Beryllium	**0.20**	**J**	0.46	0.013	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Cadmium	ND		0.57	0.016	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Calcium	**1500**		570	1.7	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Chromium	**11**	**B**	0.57	0.088	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Cobalt	**3.5**	**J**	5.7	0.048	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Copper	**28**		2.8	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1

Client Sample Results

Client Sample ID: SSHS-B67-8-10 (9)

Lab Sample ID: 180-35818-10

Date Collected: 08/14/14 14:15
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 90.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**49000**		11	1.0	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Lead	**11**		1.1	0.12	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Magnesium	**1500**		570	2.4	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Manganese	**100**		1.7	0.10	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Nickel	**9.0**		4.6	0.054	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Potassium	**890**		570	7.3	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Selenium	**1.3**		1.1	0.30	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Silver	ND		0.57	0.046	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Sodium	**270**	**J**	570	1.2	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Vanadium	**14**	**B**	5.7	0.20	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1
Zinc	**34**	**B**	2.3	0.12	mg/Kg	☼	08/21/14 13:02	08/27/14 13:28	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.012	mg/Kg	☼	08/27/14 09:11	08/27/14 12:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.5**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**90**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	ND		0.58	0.17	mg/Kg	☼	08/22/14 07:00	08/22/14 09:53	1

Client Sample ID: SSHS-B67-10-12 (11)

Lab Sample ID: 180-35818-11

Date Collected: 08/14/14 14:25
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 93.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**5.3**	**J**	19	4.8	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Benzene	ND		4.8	0.65	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Bromoform	ND		4.8	0.43	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Bromomethane	ND		4.8	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
2-Butanone (MEK)	ND		4.8	0.85	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Carbon disulfide	ND		4.8	0.49	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Carbon tetrachloride	ND		4.8	0.43	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Chlorobenzene	ND		4.8	0.73	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Chlorobromomethane	ND		4.8	0.66	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Chlorodibromomethane	ND		4.8	0.68	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Chloroethane	ND		4.8	1.5	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Chloroform	ND		4.8	0.56	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Chloromethane	ND		4.8	0.82	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
cis-1,2-Dichloroethene	ND		4.8	0.68	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
cis-1,3-Dichloropropene	ND		4.8	0.65	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Cyclohexane	ND		4.8	0.36	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
1,2-Dibromo-3-Chloropropane	ND		4.8	0.72	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
1,2-Dibromoethane	ND		4.8	0.83	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
1,2-Dichlorobenzene	ND		4.8	0.77	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
1,3-Dichlorobenzene	ND		4.8	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
1,4-Dichlorobenzene	ND		4.8	0.61	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1

Client Sample ID: SSHS-B67-10-12 (11)

Lab Sample ID: 180-35818-11

Date Collected: 08/14/14 14:25

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		4.8	0.54	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Dichlorodifluoromethane	ND		4.8	0.64	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
1,1-Dichloroethane	ND		4.8	0.55	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
1,2-Dichloroethane	ND		4.8	0.59	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
1,1-Dichloroethene	ND		4.8	0.82	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
1,2-Dichloropropane	ND		4.8	0.52	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
1,4-Dioxane	ND		960	270	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Ethylbenzene	ND		4.8	0.62	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
2-Hexanone	ND		4.8	0.67	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Isopropylbenzene	ND		4.8	0.65	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Methyl acetate	ND		4.8	0.87	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Methylcyclohexane	ND		4.8	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Methylene Chloride	ND		4.8	0.65	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
4-Methyl-2-pentanone (MIBK)	ND		4.8	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Methyl tert-butyl ether	ND		4.8	0.72	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
m-Xylene & p-Xylene	ND		9.6	1.4	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
o-Xylene	ND		4.8	0.75	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Styrene	ND		4.8	0.68	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
1,1,2,2-Tetrachloroethane	ND		4.8	0.69	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Tetrachloroethene	ND		4.8	0.66	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Toluene	ND		4.8	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
trans-1,2-Dichloroethene	ND		4.8	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
trans-1,3-Dichloropropene	ND		4.8	0.58	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
1,2,3-Trichlorobenzene	ND		4.8	0.81	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
1,2,4-Trichlorobenzene	ND		4.8	0.85	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
1,1,1-Trichloroethane	ND		4.8	0.47	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
1,1,2-Trichloroethane	ND		4.8	0.80	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Trichloroethene	ND		4.8	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Trichlorofluoromethane	ND		4.8	0.89	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.0	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1
Vinyl chloride	ND		4.8	0.45	ug/Kg	☼	08/19/14 04:07	08/19/14 13:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/19/14 04:07*	*08/19/14 13:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/19/14 04:07*	*08/19/14 13:01*	*1*
Dibromofluoromethane (Surr)	*107*		*68 - 121*	*08/19/14 04:07*	*08/19/14 13:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*52 - 124*	*08/19/14 04:07*	*08/19/14 13:01*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*08/19/14 04:07*	*08/19/14 13:01*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	6.9	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Acenaphthylene	ND		72	8.2	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Acetophenone	ND		350	29	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Anthracene	ND		72	7.0	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Atrazine	ND		350	35	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Benzaldehyde	ND		350	54	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Benzo[a]anthracene	ND		72	9.0	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1

Client Sample Results

Client Sample ID: SSHS-B67-10-12 (11)
Lab Sample ID: 180-35818-11
Date Collected: 08/14/14 14:25
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		72	7.2	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Benzo[b]fluoranthene	ND		72	11	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Benzo[g,h,i]perylene	ND		72	7.1	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Benzo[k]fluoranthene	ND		72	15	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Bis(2-chloroethoxy)methane	ND		350	24	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Bis(2-chloroethyl)ether	ND		72	9.6	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Butyl benzyl phthalate	ND		350	49	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Carbazole	ND		72	6.6	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
4-Chloroaniline	ND		350	29	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
2-Chloronaphthalene	ND		72	7.5	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
4-Chlorophenyl phenyl ether	ND		350	40	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Chrysene	ND		72	8.5	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Dibenz(a,h)anthracene	ND		72	8.0	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
3,3'-Dichlorobenzidine	ND		350	38	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
2,4-Dimethylphenol	ND		350	56	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Di-n-butyl phthalate	ND		350	45	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Di-n-octyl phthalate	ND		350	38	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Fluoranthene	ND		72	7.7	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Fluorene	ND		72	9.5	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Hexachlorobenzene	ND		72	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Hexachlorocyclopentadiene	ND		350	39	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Hexachloroethane	ND		350	26	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Indeno[1,2,3-cd]pyrene	ND		72	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Isophorone	ND		350	27	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
2-Methylnaphthalene	ND		72	6.5	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Naphthalene	ND		72	6.2	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
4-Nitroaniline	ND		1800	150	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
2-Nitrophenol	ND		350	40	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1

Client Sample Results

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

Client Sample ID: SSHS-B67-10-12 (11)

Lab Sample ID: 180-35818-11

Date Collected: 08/14/14 14:25
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
2,2'-oxybis[1-chloropropane]	ND		72	7.7	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Phenanthrene	ND		72	11	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Phenol	ND		72	8.5	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
Pyrene	ND		72	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1
2,4,6-Trichlorophenol	ND		350	54	ug/Kg	☼	08/26/14 18:45	08/27/14 17:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*580*	*T J*	*ug/Kg*	☼	*13.10*		*08/26/14 18:45*	*08/27/14 17:58*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*13.15*		*08/26/14 18:45*	*08/27/14 17:58*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*16.04*		*08/26/14 18:45*	*08/27/14 17:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*08/26/14 18:45*	*08/27/14 17:58*	*1*
2-Fluorophenol (Surr)	*71*		*39 - 103*	*08/26/14 18:45*	*08/27/14 17:58*	*1*
Nitrobenzene-d5 (Surr)	*72*		*25 - 104*	*08/26/14 18:45*	*08/27/14 17:58*	*1*
Phenol-d5 (Surr)	*71*		*25 - 105*	*08/26/14 18:45*	*08/27/14 17:58*	*1*
Terphenyl-d14 (Surr)	*67*		*25 - 127*	*08/26/14 18:45*	*08/27/14 17:58*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*35 - 124*	*08/26/14 18:45*	*08/27/14 17:58*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
delta-BHC	**0.63**	**J p**	1.8	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
gamma-Chlordane	**0.76**	**J**	1.8	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
Heptachlor epoxide	**0.62**	**J p**	1.8	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1
Toxaphene	ND		72	12	ug/Kg	☼	08/26/14 07:50	08/27/14 14:22	1

Client Sample ID: SSHS-B67-10-12 (11)

Lab Sample ID: 180-35818-11

Date Collected: 08/14/14 14:25
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*45 - 130*	*08/26/14 07:50*	*08/27/14 14:22*	*1*
DCB Decachlorobiphenyl (Surr)	*63*		*45 - 130*	*08/26/14 07:50*	*08/27/14 14:22*	*1*
Tetrachloro-m-xylene	*79*		*45 - 130*	*08/26/14 07:50*	*08/27/14 14:22*	*1*
Tetrachloro-m-xylene	*77*		*45 - 130*	*08/26/14 07:50*	*08/27/14 14:22*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/26/14 07:50	08/27/14 17:59	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/26/14 07:50	08/27/14 17:59	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/26/14 07:50	08/27/14 17:59	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/26/14 07:50	08/27/14 17:59	1
PCB-1248	**65**		18	1.7	ug/Kg	☼	08/26/14 07:50	08/27/14 17:59	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/26/14 07:50	08/27/14 17:59	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/26/14 07:50	08/27/14 17:59	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/26/14 07:50	08/27/14 17:59	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/26/14 07:50	08/27/14 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 125*	*08/26/14 07:50*	*08/27/14 17:59*	*1*
DCB Decachlorobiphenyl (Surr)	*64*		*45 - 125*	*08/26/14 07:50*	*08/27/14 18:31*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*45 - 135*	*08/26/14 07:50*	*08/27/14 17:59*	*1*
Tetrachloro-m-xylene (Surr)	*67*		*45 - 135*	*08/26/14 07:50*	*08/27/14 18:31*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6400**		21	2.2	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Antimony	ND		1.1	0.21	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Arsenic	**49**		1.1	0.32	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Barium	**82**		21	0.013	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Beryllium	**0.22**	**J**	0.42	0.012	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Cadmium	ND		0.53	0.015	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Calcium	**990**		530	1.6	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Chromium	**11**	**B**	0.53	0.081	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Cobalt	**3.3**	**J**	5.3	0.044	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Copper	**41**		2.6	0.15	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Iron	**51000**		11	0.94	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Lead	**7.2**		1.1	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Magnesium	**1600**		530	2.2	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Manganese	**110**		1.6	0.094	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Nickel	**8.7**		4.2	0.050	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Potassium	**810**		530	6.7	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Selenium	**1.0**	**J**	1.1	0.28	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Silver	ND		0.53	0.043	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Sodium	**550**		530	1.1	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Thallium	**0.24**	**J**	2.1	0.15	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Vanadium	**13**	**B**	5.3	0.18	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1
Zinc	**37**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 13:33	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.012	mg/Kg	☼	08/27/14 09:11	08/27/14 12:20	1

Client Sample Results

Client Sample ID: SSHS-B67-10-12 (11)

Lab Sample ID: 180-35818-11

Date Collected: 08/14/14 14:25

Matrix: Solid

Date Received: 08/15/14 09:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.0**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**93**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	ND		0.55	0.16	mg/Kg	☼	08/22/14 07:00	08/22/14 09:53	1

Client Sample ID: SSHS-B68-0.17-2 (1)

Lab Sample ID: 180-35818-12

Date Collected: 08/14/14 15:28

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 93.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.1	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Benzene	ND		5.1	0.69	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Bromoform	ND		5.1	0.45	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Bromomethane	ND		5.1	0.76	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
2-Butanone (MEK)	ND		5.1	0.90	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Carbon disulfide	ND		5.1	0.52	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Carbon tetrachloride	ND		5.1	0.46	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Chlorobenzene	ND		5.1	0.77	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Chlorobromomethane	ND		5.1	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Chlorodibromomethane	ND		5.1	0.73	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Chloroethane	ND		5.1	1.6	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Chloroform	ND		5.1	0.60	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Chloromethane	ND		5.1	0.87	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
cis-1,2-Dichloroethene	ND		5.1	0.72	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
cis-1,3-Dichloropropene	ND		5.1	0.69	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Cyclohexane	ND		5.1	0.38	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
1,2-Dibromo-3-Chloropropane	ND		5.1	0.77	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
1,2-Dibromoethane	ND		5.1	0.88	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
1,2-Dichlorobenzene	ND		5.1	0.82	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
1,3-Dichlorobenzene	ND		5.1	0.67	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
1,4-Dichlorobenzene	ND		5.1	0.65	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Dichlorobromomethane	ND		5.1	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Dichlorodifluoromethane	ND		5.1	0.68	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
1,1-Dichloroethane	ND		5.1	0.59	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
1,2-Dichloroethane	ND		5.1	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
1,1-Dichloroethene	ND		5.1	0.87	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
1,2-Dichloropropane	ND		5.1	0.56	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
1,4-Dioxane	ND		1000	280	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Ethylbenzene	ND		5.1	0.66	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
2-Hexanone	ND		5.1	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Isopropylbenzene	ND		5.1	0.69	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Methyl acetate	ND		5.1	0.92	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Methylcyclohexane	ND		5.1	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Methylene Chloride	ND		5.1	0.69	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	0.67	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Methyl tert-butyl ether	ND		5.1	0.76	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
o-Xylene	ND		5.1	0.80	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Styrene	ND		5.1	0.72	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
1,1,2,2-Tetrachloroethane	ND		5.1	0.73	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1

Client Sample ID: SSHS-B68-0.17-2 (1)

Lab Sample ID: 180-35818-12
Date Collected: 08/14/14 15:28
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.1	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Toluene	ND		5.1	0.75	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
trans-1,2-Dichloroethene	ND		5.1	0.61	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
trans-1,3-Dichloropropene	ND		5.1	0.61	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
1,2,3-Trichlorobenzene	ND		5.1	0.86	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
1,2,4-Trichlorobenzene	ND		5.1	0.90	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
1,1,1-Trichloroethane	ND		5.1	0.50	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
1,1,2-Trichloroethane	ND		5.1	0.85	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Trichloroethene	**1.5**	**J**	5.1	0.67	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Trichlorofluoromethane	ND		5.1	0.94	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	1.1	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1
Vinyl chloride	ND		5.1	0.48	ug/Kg	☼	08/19/14 04:07	08/19/14 13:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/19/14 04:07*	*08/19/14 13:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*63 - 120*	*08/19/14 04:07*	*08/19/14 13:23*	*1*
Dibromofluoromethane (Surr)	*101*		*68 - 121*	*08/19/14 04:07*	*08/19/14 13:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*52 - 124*	*08/19/14 04:07*	*08/19/14 13:23*	*1*
Toluene-d8 (Surr)	*99*		*72 - 127*	*08/19/14 04:07*	*08/19/14 13:23*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**18**	**J**	72	6.9	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Acenaphthylene	**120**		72	8.2	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Acetophenone	ND		350	29	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Anthracene	**110**		72	7.0	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Atrazine	ND		350	35	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Benzaldehyde	ND		350	54	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Benzo[a]anthracene	**220**		72	9.0	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Benzo[a]pyrene	**250**		72	7.2	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Benzo[b]fluoranthene	**410**		72	11	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Benzo[g,h,i]perylene	**250**		72	7.1	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Benzo[k]fluoranthene	**150**		72	14	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Bis(2-chloroethoxy)methane	ND		350	24	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Bis(2-chloroethyl)ether	ND		72	9.6	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Butyl benzyl phthalate	ND		350	49	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Carbazole	**22**	**J**	72	6.6	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
4-Chloroaniline	ND		350	29	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
2-Chloronaphthalene	ND		72	7.5	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
4-Chlorophenyl phenyl ether	ND		350	40	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Chrysene	**290**		72	8.5	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Dibenz(a,h)anthracene	**76**		72	8.0	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B68-0.17-2 (1)
Date Collected: 08/14/14 15:28
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-12
Matrix: Solid
Percent Solids: 93.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	**42**	**J**	350	35	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
3,3'-Dichlorobenzidine	ND		350	38	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
2,4-Dimethylphenol	ND		350	56	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Di-n-butyl phthalate	ND		350	45	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Di-n-octyl phthalate	ND		350	38	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Fluoranthene	**360**		72	7.7	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Fluorene	ND		72	9.4	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Hexachlorobenzene	ND		72	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Hexachlorocyclopentadiene	ND		350	39	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Hexachloroethane	ND		350	26	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Indeno[1,2,3-cd]pyrene	**210**		72	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Isophorone	ND		350	27	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
2-Methylnaphthalene	**120**		72	6.4	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Naphthalene	**90**		72	6.2	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
2,2'-oxybis[1-chloropropane]	ND		72	7.7	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Phenanthrene	**190**		72	11	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Phenol	ND		72	8.5	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
Pyrene	**290**		72	7.2	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1
2,4,6-Trichlorophenol	ND		350	54	ug/Kg	☼	08/26/14 18:45	08/27/14 18:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*270*	*T J*	*ug/Kg*	☼	*10.01*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*450*	*T J*	*ug/Kg*	☼	*10.51*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*10.53*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*2500*	*T J*	*ug/Kg*	☼	*10.91*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*560*	*T J*	*ug/Kg*	☼	*10.99*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*480*	*T J*	*ug/Kg*	☼	*11.07*		*08/26/14 18:45*	*08/27/14 18:28*	*1*

Client Sample Results

Client Sample ID: SSHS-B68-0.17-2 (1) Lab Sample ID: 180-35818-12

Date Collected: 08/14/14 15:28 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 93.2**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Substituted Biphenyl	*510*	*T J*	*ug/Kg*	☼	*11.11*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*2400*	*T J*	*ug/Kg*	☼	*11.20*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*1800*	*T J*	*ug/Kg*	☼	*11.24*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*1100*	*T J*	*ug/Kg*	☼	*11.28*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*2300*	*T J*	*ug/Kg*	☼	*11.39*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown	*560*	*T J*	*ug/Kg*	☼	*11.43*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*280*	*T J*	*ug/Kg*	☼	*11.46*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*620*	*T J*	*ug/Kg*	☼	*11.50*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*1400*	*T J*	*ug/Kg*	☼	*11.52*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*480*	*T J*	*ug/Kg*	☼	*11.60*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*1100*	*T J*	*ug/Kg*	☼	*11.75*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*2300*	*T J*	*ug/Kg*	☼	*11.78*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*2900*	*T J*	*ug/Kg*	☼	*11.82*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*2000*	*T J*	*ug/Kg*	☼	*11.99*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*1200*	*T J*	*ug/Kg*	☼	*12.04*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*660*	*T J*	*ug/Kg*	☼	*12.09*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*650*	*T J*	*ug/Kg*	☼	*12.33*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*820*	*T J*	*ug/Kg*	☼	*12.44*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*250*	*T J*	*ug/Kg*	☼	*12.57*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown	*440*	*T J*	*ug/Kg*	☼	*12.69*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*720*	*T J*	*ug/Kg*	☼	*12.75*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown Substituted Biphenyl	*470*	*T J*	*ug/Kg*	☼	*13.08*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown	*450*	*T J*	*ug/Kg*	☼	*13.10*		*08/26/14 18:45*	*08/27/14 18:28*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*18.38*		*08/26/14 18:45*	*08/27/14 18:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*35 - 105*	*08/26/14 18:45*	*08/27/14 18:28*	*1*
2-Fluorophenol (Surr)	*72*		*39 - 103*	*08/26/14 18:45*	*08/27/14 18:28*	*1*
Nitrobenzene-d5 (Surr)	*75*		*25 - 104*	*08/26/14 18:45*	*08/27/14 18:28*	*1*
Phenol-d5 (Surr)	*72*		*25 - 105*	*08/26/14 18:45*	*08/27/14 18:28*	*1*
Terphenyl-d14 (Surr)	*65*		*25 - 127*	*08/26/14 18:45*	*08/27/14 18:28*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*35 - 124*	*08/26/14 18:45*	*08/27/14 18:28*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**620**	**p**	9.1	1.6	ug/Kg	☼	08/26/14 07:50	08/28/14 13:16	5
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/26/14 07:50	08/27/14 14:38	1
alpha-Chlordane	**30**	**p**	1.8	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 14:38	1
beta-BHC	**71**	**p**	1.8	0.46	ug/Kg	☼	08/26/14 07:50	08/27/14 14:38	1
4,4'-DDD	**13**	**p**	1.8	0.23	ug/Kg	☼	08/26/14 07:50	08/27/14 14:38	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 14:38	1
4,4'-DDT	**87**	**p**	1.8	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 14:38	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 14:38	1
Dieldrin	**55**		1.8	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 14:38	1
Endosulfan I	**110**		1.8	0.33	ug/Kg	☼	08/26/14 07:50	08/27/14 14:38	1
Endosulfan II	**15**	**p**	1.8	0.31	ug/Kg	☼	08/26/14 07:50	08/27/14 14:38	1
Endosulfan sulfate	**52**	**p**	1.8	0.19	ug/Kg	☼	08/26/14 07:50	08/27/14 14:38	1
Endrin	**270**	**p**	1.8	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 14:38	1
Endrin aldehyde	**29**	**p**	1.8	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 14:38	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35818-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B68-0.17-2 (1)
Lab Sample ID: 180-35818-12

Date Collected: 08/14/14 15:28
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	**53**	**p**	1.8	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 14:38	1
gamma-BHC (Lindane)	**2.9**	**p**	1.8	0.31	ug/Kg	☼	08/26/14 07:50	08/27/14 14:38	1
gamma-Chlordane	**1200**		9.1	1.8	ug/Kg	☼	08/26/14 07:50	08/28/14 13:16	5
Heptachlor	**99**	**p**	1.8	0.40	ug/Kg	☼	08/26/14 07:50	08/27/14 14:38	1
Heptachlor epoxide	**1400**		9.1	1.7	ug/Kg	☼	08/26/14 07:50	08/28/14 13:16	5
Methoxychlor	**11**	**p**	3.5	0.37	ug/Kg	☼	08/26/14 07:50	08/27/14 14:38	1
Toxaphene	ND		71	12	ug/Kg	☼	08/26/14 07:50	08/27/14 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 130*	*08/26/14 07:50*	*08/27/14 14:38*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 130*	*08/26/14 07:50*	*08/27/14 14:38*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*45 - 130*	*08/26/14 07:50*	*08/28/14 13:16*	*5*
DCB Decachlorobiphenyl (Surr)	*96*		*45 - 130*	*08/26/14 07:50*	*08/28/14 13:16*	*5*
Tetrachloro-m-xylene	*88*		*45 - 130*	*08/26/14 07:50*	*08/27/14 14:38*	*1*
Tetrachloro-m-xylene	*82*		*45 - 130*	*08/26/14 07:50*	*08/27/14 14:38*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*08/26/14 07:50*	*08/28/14 13:16*	*5*
Tetrachloro-m-xylene	*92*		*45 - 130*	*08/26/14 07:50*	*08/28/14 13:16*	*5*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		1800	260	ug/Kg	☼	08/26/14 07:50	08/28/14 20:52	100
PCB-1221	ND		1800	340	ug/Kg	☼	08/26/14 07:50	08/28/14 20:52	100
PCB-1232	ND		1800	300	ug/Kg	☼	08/26/14 07:50	08/28/14 20:52	100
PCB-1242	ND		1800	290	ug/Kg	☼	08/26/14 07:50	08/28/14 20:52	100
PCB-1248	**100000**		1800	170	ug/Kg	☼	08/26/14 07:50	08/28/14 20:52	100
PCB-1254	ND		1800	250	ug/Kg	☼	08/26/14 07:50	08/28/14 20:52	100
PCB-1260	**4900**		1800	250	ug/Kg	☼	08/26/14 07:50	08/28/14 20:52	100
PCB-1262	ND		1800	390	ug/Kg	☼	08/26/14 07:50	08/28/14 20:52	100
PCB-1268	ND		1800	230	ug/Kg	☼	08/26/14 07:50	08/28/14 20:52	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*119*	*D p*	*45 - 125*	*08/26/14 07:50*	*08/28/14 20:52*	*100*
DCB Decachlorobiphenyl (Surr)	*228*	*D X*	*45 - 125*	*08/26/14 07:50*	*08/28/14 21:23*	*100*
Tetrachloro-m-xylene (Surr)	*118*	*D*	*45 - 135*	*08/26/14 07:50*	*08/28/14 20:52*	*100*
Tetrachloro-m-xylene (Surr)	*115*	*D*	*45 - 135*	*08/26/14 07:50*	*08/28/14 21:23*	*100*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5600**		22	2.3	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Arsenic	**8.9**		1.1	0.33	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Barium	**82**		22	0.014	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Beryllium	**0.30**	**J**	0.43	0.012	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Cadmium	**0.15**	**J B**	0.54	0.015	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Calcium	**16000**		540	1.6	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Chromium	**14**	**B**	0.54	0.084	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Cobalt	**5.5**		5.4	0.045	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Copper	**60**		2.7	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Iron	**19000**		11	0.96	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Lead	**66**		1.1	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1

Client Sample ID: SSHS-B68-0.17-2 (1)

Lab Sample ID: 180-35818-12
Date Collected: 08/14/14 15:28
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**3400**		540	2.2	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Manganese	**310**		1.6	0.096	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Nickel	**40**		4.3	0.051	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Potassium	**510**	**J**	540	6.9	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Selenium	**0.82**	**J**	1.1	0.29	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Silver	ND		0.54	0.044	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Sodium	**180**	**J**	540	1.1	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Vanadium	**11**	**B**	5.4	0.19	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1
Zinc	**79**	**B**	2.2	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 13:38	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.060**		0.035	0.012	mg/Kg	☼	08/27/14 09:11	08/27/14 12:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.8**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**93**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	**0.45**	**J**	0.54	0.16	mg/Kg	☼	08/22/14 07:00	08/22/14 09:53	1

Client Sample ID: SSHS-B68-2-6 (5.5)

Lab Sample ID: 180-35818-13
Date Collected: 08/14/14 15:40
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**6.8**	**J**	22	5.4	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Benzene	ND		5.4	0.73	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Bromoform	ND		5.4	0.48	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Bromomethane	ND		5.4	0.80	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
2-Butanone (MEK)	**1.9**	**J**	5.4	0.96	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Carbon disulfide	ND		5.4	0.56	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Carbon tetrachloride	ND		5.4	0.48	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Chlorobenzene	ND		5.4	0.82	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Chlorobromomethane	ND		5.4	0.75	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Chlorodibromomethane	ND		5.4	0.77	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Chloroethane	ND		5.4	1.7	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Chloroform	ND		5.4	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Chloromethane	ND		5.4	0.92	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
cis-1,2-Dichloroethene	ND		5.4	0.76	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
cis-1,3-Dichloropropene	ND		5.4	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Cyclohexane	ND		5.4	0.40	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
1,2-Dibromo-3-Chloropropane	ND		5.4	0.81	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
1,2-Dibromoethane	ND		5.4	0.94	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
1,2-Dichlorobenzene	ND		5.4	0.87	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
1,3-Dichlorobenzene	ND		5.4	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
1,4-Dichlorobenzene	ND		5.4	0.69	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Dichlorobromomethane	ND		5.4	0.61	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Dichlorodifluoromethane	ND		5.4	0.72	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B68-2-6 (5.5)
Date Collected: 08/14/14 15:40
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-13
Matrix: Solid
Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.4	0.62	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
1,2-Dichloroethane	ND		5.4	0.67	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
1,1-Dichloroethene	ND		5.4	0.92	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
1,2-Dichloropropane	ND		5.4	0.59	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
1,4-Dioxane	ND		1100	300	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Ethylbenzene	ND		5.4	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
2-Hexanone	ND		5.4	0.75	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Isopropylbenzene	ND		5.4	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Methyl acetate	ND		5.4	0.98	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Methylcyclohexane	ND		5.4	0.79	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Methylene Chloride	ND		5.4	0.73	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.4	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Methyl tert-butyl ether	ND		5.4	0.81	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
o-Xylene	ND		5.4	0.85	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Styrene	ND		5.4	0.77	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
1,1,2,2-Tetrachloroethane	ND		5.4	0.78	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Tetrachloroethene	ND		5.4	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Toluene	ND		5.4	0.79	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
trans-1,2-Dichloroethene	ND		5.4	0.65	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
trans-1,3-Dichloropropene	ND		5.4	0.65	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
1,2,3-Trichlorobenzene	ND		5.4	0.92	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
1,2,4-Trichlorobenzene	ND		5.4	0.96	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
1,1,1-Trichloroethane	ND		5.4	0.53	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
1,1,2-Trichloroethane	ND		5.4	0.90	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Trichloroethene	ND		5.4	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Trichlorofluoromethane	ND		5.4	1.0	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1
Vinyl chloride	**0.56**	**J**	5.4	0.51	ug/Kg	☼	08/19/14 04:07	08/19/14 13:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/19/14 04:07*	*08/19/14 13:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*63 - 120*	*08/19/14 04:07*	*08/19/14 13:46*	*1*
Dibromofluoromethane (Surr)	*101*		*68 - 121*	*08/19/14 04:07*	*08/19/14 13:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*52 - 124*	*08/19/14 04:07*	*08/19/14 13:46*	*1*
Toluene-d8 (Surr)	*109*		*72 - 127*	*08/19/14 04:07*	*08/19/14 13:46*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**280**		73	7.0	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Acenaphthylene	**290**		73	8.4	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Acetophenone	ND		360	30	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Anthracene	**230**		73	7.1	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Atrazine	ND		360	36	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Benzo[a]anthracene	**370**		73	9.1	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Benzo[a]pyrene	**350**		73	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Benzo[b]fluoranthene	**570**		73	11	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B68-2-6 (5.5) **Lab Sample ID: 180-35818-13**
Date Collected: 08/14/14 15:40 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.8**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	**470**		73	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Benzo[k]fluoranthene	**190**		73	15	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
1,1'-Biphenyl	**110**	**J**	360	33	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Bis(2-chloroethyl)ether	ND		73	9.8	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Carbazole	**210**		73	6.7	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Chrysene	**450**		73	8.7	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Dibenz(a,h)anthracene	**120**		73	8.1	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Dibenzofuran	**540**		360	36	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
2,4-Dinitrophenol	ND		1900	430	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Fluoranthene	**880**		73	7.8	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Fluorene	**300**		73	9.6	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Hexachlorobenzene	ND		73	7.8	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Hexachlorobutadiene	ND		73	8.2	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Indeno[1,2,3-cd]pyrene	**370**		73	7.5	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Isophorone	ND		360	28	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
2-Methylnaphthalene	**110**		73	6.6	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Naphthalene	**630**		73	6.3	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
N-Nitrosodi-n-propylamine	ND		73	8.6	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1

Client Sample ID: SSHS-B68-2-6 (5.5)

Lab Sample ID: 180-35818-13

Date Collected: 08/14/14 15:40

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 90.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
2,2'-oxybis[1-chloropropane]	ND		73	7.9	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Phenanthrene	**540**		73	12	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Phenol	ND		73	8.6	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
Pyrene	**660**		73	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/26/14 18:45	08/27/14 18:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Substituted Biphenyl	*240*	*T J*	*ug/Kg*	☼	*10.33*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*660*	*T J*	*ug/Kg*	☼	*10.50*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown	*460*	*T J*	*ug/Kg*	☼	*10.53*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*3000*	*T J*	*ug/Kg*	☼	*10.92*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*540*	*T J*	*ug/Kg*	☼	*10.99*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*600*	*T J*	*ug/Kg*	☼	*11.07*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*650*	*T J*	*ug/Kg*	☼	*11.11*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*2000*	*T J*	*ug/Kg*	☼	*11.20*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*1600*	*T J*	*ug/Kg*	☼	*11.24*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*870*	*T J*	*ug/Kg*	☼	*11.27*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*1900*	*T J*	*ug/Kg*	☼	*11.40*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown	*770*	*T J*	*ug/Kg*	☼	*11.43*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*500*	*T J*	*ug/Kg*	☼	*11.46*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*610*	*T J*	*ug/Kg*	☼	*11.49*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*1100*	*T J*	*ug/Kg*	☼	*11.52*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*400*	*T J*	*ug/Kg*	☼	*11.59*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*1100*	*T J*	*ug/Kg*	☼	*11.74*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*2200*	*T J*	*ug/Kg*	☼	*11.78*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*2400*	*T J*	*ug/Kg*	☼	*11.81*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*1500*	*T J*	*ug/Kg*	☼	*11.99*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*1100*	*T J*	*ug/Kg*	☼	*12.03*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*400*	*T J*	*ug/Kg*	☼	*12.09*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*480*	*T J*	*ug/Kg*	☼	*12.33*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*410*	*T J*	*ug/Kg*	☼	*12.43*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown	*380*	*T J*	*ug/Kg*	☼	*12.69*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown Substituted Biphenyl	*510*	*T J*	*ug/Kg*	☼	*12.74*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*13.10*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*18.38*		*08/26/14 18:45*	*08/27/14 18:57*	*1*
Unknown	*460*	*T J*	*ug/Kg*	☼	*19.01*		*08/26/14 18:45*	*08/27/14 18:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*08/26/14 18:45*	*08/27/14 18:57*	*1*
2-Fluorophenol (Surr)	*70*		*39 - 103*	*08/26/14 18:45*	*08/27/14 18:57*	*1*
Nitrobenzene-d5 (Surr)	*72*		*25 - 104*	*08/26/14 18:45*	*08/27/14 18:57*	*1*
Phenol-d5 (Surr)	*70*		*25 - 105*	*08/26/14 18:45*	*08/27/14 18:57*	*1*
Terphenyl-d14 (Surr)	*63*		*25 - 127*	*08/26/14 18:45*	*08/27/14 18:57*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*35 - 124*	*08/26/14 18:45*	*08/27/14 18:57*	*1*

Client Sample ID: SSHS-B68-2-6 (5.5) **Lab Sample ID: 180-35818-13**
Date Collected: 08/14/14 15:40 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.8**

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1
alpha-Chlordane	**20**	**p**	1.8	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1
beta-BHC	**92**	**p**	1.8	0.47	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1
4,4'-DDD	**53**	**p**	1.8	0.24	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1
4,4'-DDE	**6.9**	**p**	1.8	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1
4,4'-DDT	**56**	**p**	1.8	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1
delta-BHC	ND		1.8	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1
Dieldrin	**34**		1.8	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1
Endosulfan I	**61**		1.8	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1
Endosulfan II	**9.5**	**p**	1.8	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1
Endosulfan sulfate	**45**	**p**	1.8	0.19	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1
Endrin	**180**	**p**	1.8	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1
Endrin aldehyde	**27**	**p**	1.8	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1
Endrin ketone	**29**	**p**	1.8	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1
gamma-BHC (Lindane)	**5.9**	**p**	1.8	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1
Heptachlor	**100**	**p**	1.8	0.40	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1
Methoxychlor	**160**	**p**	3.6	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1
Toxaphene	ND		73	12	ug/Kg	☼	08/26/14 07:50	08/27/14 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 130*	*08/26/14 07:50*	*08/27/14 14:53*	*1*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 130*	*08/26/14 07:50*	*08/27/14 14:53*	*1*
Tetrachloro-m-xylene	*76*		*45 - 130*	*08/26/14 07:50*	*08/27/14 14:53*	*1*
Tetrachloro-m-xylene	*70*		*45 - 130*	*08/26/14 07:50*	*08/27/14 14:53*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	**610**	**p**	9.2	1.8	ug/Kg	☼	08/26/14 07:50	08/28/14 13:31	5
Heptachlor epoxide	**1300**		9.2	1.8	ug/Kg	☼	08/26/14 07:50	08/28/14 13:31	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/26/14 07:50*	*08/28/14 13:31*	*5*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/26/14 07:50*	*08/28/14 13:31*	*5*
Tetrachloro-m-xylene	*91*		*45 - 130*	*08/26/14 07:50*	*08/28/14 13:31*	*5*
Tetrachloro-m-xylene	*84*		*45 - 130*	*08/26/14 07:50*	*08/28/14 13:31*	*5*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		910	130	ug/Kg	☼	08/26/14 07:50	08/28/14 21:23	50
PCB-1221	ND		910	170	ug/Kg	☼	08/26/14 07:50	08/28/14 21:23	50
PCB-1232	ND		910	160	ug/Kg	☼	08/26/14 07:50	08/28/14 21:23	50
PCB-1242	ND		910	150	ug/Kg	☼	08/26/14 07:50	08/28/14 21:23	50
PCB-1248	**60000**		910	86	ug/Kg	☼	08/26/14 07:50	08/28/14 21:23	50
PCB-1254	ND		910	130	ug/Kg	☼	08/26/14 07:50	08/28/14 21:23	50
PCB-1260	**3000**		910	130	ug/Kg	☼	08/26/14 07:50	08/28/14 21:23	50
PCB-1262	ND		910	200	ug/Kg	☼	08/26/14 07:50	08/28/14 21:23	50
PCB-1268	ND		910	120	ug/Kg	☼	08/26/14 07:50	08/28/14 21:23	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*	*D p*	*45 - 125*	*08/26/14 07:50*	*08/28/14 21:23*	*50*

Client Sample Results

Client Sample ID: SSHS-B68-2-6 (5.5)

Lab Sample ID: 180-35818-13

Date Collected: 08/14/14 15:40
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 90.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*179*	*D X*	*45 - 125*	*08/26/14 07:50*	*08/28/14 21:55*	*50*
Tetrachloro-m-xylene (Surr)	*87*	*D*	*45 - 135*	*08/26/14 07:50*	*08/28/14 21:23*	*50*
Tetrachloro-m-xylene (Surr)	*102*	*D*	*45 - 135*	*08/26/14 07:50*	*08/28/14 21:55*	*50*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7600**		23	2.4	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Antimony	ND		1.1	0.23	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Arsenic	**8.9**		1.1	0.35	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Barium	**120**		23	0.015	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Beryllium	**0.37**	**J**	0.45	0.013	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Cadmium	**0.45**	**J B**	0.57	0.016	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Calcium	**18000**		570	1.7	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Chromium	**17**	**B**	0.57	0.088	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Cobalt	**6.6**		5.7	0.047	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Copper	**74**		2.8	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Iron	**20000**		11	1.0	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Lead	**330**		1.1	0.12	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Magnesium	**3800**		570	2.3	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Manganese	**350**		1.7	0.10	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Nickel	**53**		4.5	0.054	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Potassium	**600**		570	7.3	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Selenium	**0.61**	**J**	1.1	0.30	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Silver	ND		0.57	0.046	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Sodium	**170**	**J**	570	1.2	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Vanadium	**13**	**B**	5.7	0.20	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1
Zinc	**96**	**B**	2.3	0.12	mg/Kg	☼	08/21/14 13:02	08/27/14 13:43	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.080**		0.036	0.012	mg/Kg	☼	08/27/14 09:11	08/27/14 12:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.2**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**91**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	**1.3**		0.57	0.17	mg/Kg	☼	08/22/14 07:00	08/22/14 10:00	1

Client Sample ID: SSHS-B68-6-8R (6.5)

Lab Sample ID: 180-35818-14

Date Collected: 08/14/14 15:48
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 91.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.7	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Benzene	ND		4.7	0.64	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Bromoform	ND		4.7	0.42	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Bromomethane	ND		4.7	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
2-Butanone (MEK)	ND		4.7	0.83	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1

Client Sample Results

Client Sample ID: SSHS-B68-6-8R (6.5)

Lab Sample ID: 180-35818-14
Date Collected: 08/14/14 15:48
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.7	0.48	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Carbon tetrachloride	ND		4.7	0.42	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Chlorobenzene	ND		4.7	0.72	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Chlorobromomethane	ND		4.7	0.65	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Chlorodibromomethane	ND		4.7	0.67	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Chloroethane	ND		4.7	1.5	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Chloroform	ND		4.7	0.55	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Chloromethane	ND		4.7	0.81	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
cis-1,2-Dichloroethene	**3.4**	**J**	4.7	0.67	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
cis-1,3-Dichloropropene	ND		4.7	0.64	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Cyclohexane	ND		4.7	0.35	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
1,2-Dibromo-3-Chloropropane	ND		4.7	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
1,2-Dibromoethane	ND		4.7	0.82	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
1,2-Dichlorobenzene	ND		4.7	0.75	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
1,3-Dichlorobenzene	ND		4.7	0.62	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
1,4-Dichlorobenzene	ND		4.7	0.60	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Dichlorobromomethane	ND		4.7	0.53	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Dichlorodifluoromethane	ND		4.7	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
1,1-Dichloroethane	ND		4.7	0.54	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
1,2-Dichloroethane	ND		4.7	0.58	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
1,1-Dichloroethene	ND		4.7	0.80	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
1,2-Dichloropropane	ND		4.7	0.51	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
1,4-Dioxane	ND		950	260	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Ethylbenzene	ND		4.7	0.61	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
2-Hexanone	ND		4.7	0.65	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Isopropylbenzene	ND		4.7	0.64	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Methyl acetate	ND		4.7	0.85	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Methylcyclohexane	**1.3**	**J**	4.7	0.69	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Methylene Chloride	ND		4.7	0.64	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	0.62	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Methyl tert-butyl ether	ND		4.7	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
m-Xylene & p-Xylene	ND		9.5	1.4	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
o-Xylene	ND		4.7	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Styrene	ND		4.7	0.67	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.68	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Tetrachloroethene	ND		4.7	0.64	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Toluene	ND		4.7	0.69	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
trans-1,2-Dichloroethene	ND		4.7	0.56	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
trans-1,3-Dichloropropene	ND		4.7	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
1,2,3-Trichlorobenzene	ND		4.7	0.80	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
1,2,4-Trichlorobenzene	ND		4.7	0.83	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
1,1,1-Trichloroethane	ND		4.7	0.46	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
1,1,2-Trichloroethane	ND		4.7	0.79	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Trichloroethene	**5.7**		4.7	0.62	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Trichlorofluoromethane	ND		4.7	0.87	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.0	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1
Vinyl chloride	**4.3**	**J**	4.7	0.44	ug/Kg	☼	08/19/14 04:07	08/19/14 14:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/19/14 04:07*	*08/19/14 14:08*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B68-6-8R (6.5)

Date Collected: 08/14/14 15:48
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-14
Matrix: Solid
Percent Solids: 91.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*63 - 120*	*08/19/14 04:07*	*08/19/14 14:08*	*1*
Dibromofluoromethane (Surr)	*101*		*68 - 121*	*08/19/14 04:07*	*08/19/14 14:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*52 - 124*	*08/19/14 04:07*	*08/19/14 14:08*	*1*
Toluene-d8 (Surr)	*101*		*72 - 127*	*08/19/14 04:07*	*08/19/14 14:08*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Acenaphthylene	**13**	**J**	73	8.4	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Acetophenone	ND		360	30	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Anthracene	**17**	**J**	73	7.2	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Atrazine	ND		360	36	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Benzo[a]anthracene	ND		73	9.2	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Benzo[a]pyrene	ND		73	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Benzo[b]fluoranthene	ND		73	12	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Benzo[g,h,i]perylene	ND		73	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Benzo[k]fluoranthene	ND		73	15	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Bis(2-chloroethyl)ether	ND		73	9.8	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Bis(2-ethylhexyl) phthalate	**100**	**J**	730	59	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Carbazole	**30**	**J**	73	6.7	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Chrysene	ND		73	8.7	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Dibenz(a,h)anthracene	ND		73	8.1	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Fluoranthene	**53**	**J**	73	7.8	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Fluorene	**29**	**J**	73	9.6	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Hexachlorobenzene	ND		73	7.8	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Hexachlorobutadiene	ND		73	8.2	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1

Client Sample ID: SSHS-B68-6-8R (6.5)
Date Collected: 08/14/14 15:48
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-14
Matrix: Solid
Percent Solids: 91.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Indeno[1,2,3-cd]pyrene	ND		73	7.5	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Isophorone	ND		360	28	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
2-Methylnaphthalene	**14**	**J**	73	6.6	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Naphthalene	**37**	**J**	73	6.3	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
N-Nitrosodi-n-propylamine	ND		73	8.6	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
2,2'-oxybis[1-chloropropane]	ND		73	7.9	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Phenanthrene	**62**	**J**	73	12	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Phenol	ND		73	8.6	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
Pyrene	**40**	**J**	73	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
2,3,4,6-Tetrachlorophenol	ND		360	24	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/26/14 18:45	08/27/14 19:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Straight Chain Alkane	*290*	*T J*	*ug/Kg*	☼	*8.60*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*9.50*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown Straight Chain Alkane	*550*	*T J*	*ug/Kg*	☼	*9.54*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown Straight Chain Alkane	*950*	*T J*	*ug/Kg*	☼	*9.98*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown Straight Chain Alkane	*350*	*T J*	*ug/Kg*	☼	*10.38*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*10.42*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*11.22*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*11.36*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*11.66*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*12.14*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*460*	*T J*	*ug/Kg*	☼	*12.66*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*750*	*T J*	*ug/Kg*	☼	*13.08*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown Straight Chain Alkane	*300*	*T J*	*ug/Kg*	☼	*13.22*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*13.61*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*13.84*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*410*	*T J*	*ug/Kg*	☼	*14.48*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*15.16*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*15.85*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*16.02*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*16.58*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*16.74*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*17.32*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*18.06*		*08/26/14 18:45*	*08/27/14 19:26*	*1*

Client Sample ID: SSHS-B68-6-8R (6.5)
Lab Sample ID: 180-35818-14
Date Collected: 08/14/14 15:48
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*420*	*T J*	*ug/Kg*	☼	*18.34*		*08/26/14 18:45*	*08/27/14 19:26*	*1*
Unknown	*740*	*T J*	*ug/Kg*	☼	*18.98*		*08/26/14 18:45*	*08/27/14 19:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*08/26/14 18:45*	*08/27/14 19:26*	*1*
2-Fluorophenol (Surr)	*66*		*39 - 103*	*08/26/14 18:45*	*08/27/14 19:26*	*1*
Nitrobenzene-d5 (Surr)	*67*		*25 - 104*	*08/26/14 18:45*	*08/27/14 19:26*	*1*
Phenol-d5 (Surr)	*65*		*25 - 105*	*08/26/14 18:45*	*08/27/14 19:26*	*1*
Terphenyl-d14 (Surr)	*60*		*25 - 127*	*08/26/14 18:45*	*08/27/14 19:26*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*35 - 124*	*08/26/14 18:45*	*08/27/14 19:26*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**0.36**	**J p**	1.9	0.33	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
beta-BHC	ND		1.9	0.47	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
4,4'-DDT	**21**		1.9	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
delta-BHC	**0.83**	**J p**	1.9	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
Dieldrin	**1.3**	**J**	1.9	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
Endosulfan I	**0.85**	**J**	1.9	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
Endosulfan sulfate	**0.84**	**J p**	1.9	0.19	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
Endrin	**9.6**		1.9	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
Endrin aldehyde	**1.9**		1.9	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
Endrin ketone	**0.28**	**J p**	1.9	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
gamma-Chlordane	**4.7**	**p**	1.9	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
Heptachlor epoxide	**1.4**	**J p**	1.9	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1
Toxaphene	ND		73	12	ug/Kg	☼	08/26/14 07:50	08/27/14 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 130*	*08/26/14 07:50*	*08/27/14 15:09*	*1*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 130*	*08/26/14 07:50*	*08/27/14 15:09*	*1*
Tetrachloro-m-xylene	*64*		*45 - 130*	*08/26/14 07:50*	*08/27/14 15:09*	*1*
Tetrachloro-m-xylene	*61*		*45 - 130*	*08/26/14 07:50*	*08/27/14 15:09*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/26/14 07:50	08/27/14 19:34	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/26/14 07:50	08/27/14 19:34	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/26/14 07:50	08/27/14 19:34	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/26/14 07:50	08/27/14 19:34	1
PCB-1248	**490**		18	1.7	ug/Kg	☼	08/26/14 07:50	08/27/14 20:05	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/26/14 07:50	08/27/14 19:34	1
PCB-1260	**100**		18	2.6	ug/Kg	☼	08/26/14 07:50	08/27/14 20:05	1

Client Sample Results

Client: Geosyntec Consultants, Inc.

TestAmerica Job ID: 180-35818-1

Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B68-6-8R (6.5)

Lab Sample ID: 180-35818-14

Date Collected: 08/14/14 15:48

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 91.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		18	4.0	ug/Kg	☼	08/26/14 07:50	08/27/14 19:34	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/26/14 07:50	08/27/14 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*45 - 125*	*08/26/14 07:50*	*08/27/14 19:34*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 125*	*08/26/14 07:50*	*08/27/14 20:05*	*1*
Tetrachloro-m-xylene (Surr)	*58*		*45 - 135*	*08/26/14 07:50*	*08/27/14 19:34*	*1*
Tetrachloro-m-xylene (Surr)	*64*		*45 - 135*	*08/26/14 07:50*	*08/27/14 20:05*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9800**		22	2.3	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Arsenic	**7.6**		1.1	0.34	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Barium	**57**		22	0.014	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Beryllium	**0.42**	**J**	0.45	0.013	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Cadmium	**0.078**	**J B**	0.56	0.016	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Calcium	**8100**		560	1.7	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Chromium	**12**	**B**	0.56	0.086	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Cobalt	**7.8**		5.6	0.047	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Copper	**35**		2.8	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Iron	**20000**		11	0.99	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Lead	**40**		1.1	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Magnesium	**3500**		560	2.3	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Manganese	**430**		1.7	0.099	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Nickel	**26**		4.5	0.053	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Potassium	**700**		560	7.1	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Selenium	**0.65**	**J**	1.1	0.30	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Silver	ND		0.56	0.045	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Sodium	**220**	**J**	560	1.2	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Vanadium	**15**	**B**	5.6	0.20	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1
Zinc	**63**	**B**	2.2	0.12	mg/Kg	☼	08/21/14 13:02	08/27/14 13:48	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**	**J**	0.036	0.012	mg/Kg	☼	08/27/14 09:11	08/27/14 12:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**91**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	**6.4**		0.57	0.17	mg/Kg	☼	08/22/14 07:00	08/22/14 10:00	1

Client Sample ID: SSHS-B69-0.17-2 (1)

Lab Sample ID: 180-35818-15

Date Collected: 08/14/14 14:58

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 90.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.2	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1

Client Sample ID: SSHS-B69-0.17-2 (1) **Lab Sample ID: 180-35818-15**
Date Collected: 08/14/14 14:58 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.2	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Bromoform	ND		4.2	0.37	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Bromomethane	ND		4.2	0.62	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
2-Butanone (MEK)	ND		4.2	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Carbon disulfide	ND		4.2	0.43	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Carbon tetrachloride	ND		4.2	0.38	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Chlorobenzene	ND		4.2	0.64	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Chlorobromomethane	ND		4.2	0.58	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Chlorodibromomethane	ND		4.2	0.60	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Chloroethane	ND		4.2	1.3	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Chloroform	ND		4.2	0.49	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Chloromethane	ND		4.2	0.72	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
cis-1,2-Dichloroethene	ND		4.2	0.59	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
cis-1,3-Dichloropropene	ND		4.2	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Cyclohexane	ND		4.2	0.31	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
1,2-Dibromo-3-Chloropropane	ND		4.2	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
1,2-Dibromoethane	ND		4.2	0.73	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
1,2-Dichlorobenzene	ND		4.2	0.67	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
1,3-Dichlorobenzene	ND		4.2	0.55	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
1,4-Dichlorobenzene	ND		4.2	0.54	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Dichlorobromomethane	ND		4.2	0.47	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Dichlorodifluoromethane	ND		4.2	0.56	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
1,1-Dichloroethane	ND		4.2	0.48	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
1,2-Dichloroethane	ND		4.2	0.52	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
1,1-Dichloroethene	ND		4.2	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
1,2-Dichloropropane	ND		4.2	0.46	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
1,4-Dioxane	ND		840	230	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Ethylbenzene	ND		4.2	0.54	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
2-Hexanone	ND		4.2	0.58	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Isopropylbenzene	ND		4.2	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Methyl acetate	ND		4.2	0.76	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Methylcyclohexane	ND		4.2	0.61	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Methylene Chloride	ND		4.2	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.55	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Methyl tert-butyl ether	ND		4.2	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
m-Xylene & p-Xylene	ND		8.4	1.2	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
o-Xylene	ND		4.2	0.66	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Styrene	ND		4.2	0.59	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.60	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Tetrachloroethene	ND		4.2	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Toluene	ND		4.2	0.61	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
trans-1,2-Dichloroethene	ND		4.2	0.50	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
trans-1,3-Dichloropropene	ND		4.2	0.50	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
1,2,3-Trichlorobenzene	ND		4.2	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
1,2,4-Trichlorobenzene	ND		4.2	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
1,1,1-Trichloroethane	ND		4.2	0.41	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
1,1,2-Trichloroethane	ND		4.2	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Trichloroethene	ND		4.2	0.55	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Trichlorofluoromethane	ND		4.2	0.77	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1

Client Sample Results

Client Sample ID: SSHS-B69-0.17-2 (1)
Date Collected: 08/14/14 14:58
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-15
Matrix: Solid
Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.90	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1
Vinyl chloride	ND		4.2	0.40	ug/Kg	☼	08/19/14 04:07	08/19/14 14:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/19/14 04:07*	*08/19/14 14:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*63 - 120*	*08/19/14 04:07*	*08/19/14 14:31*	*1*
Dibromofluoromethane (Surr)	*110*		*68 - 121*	*08/19/14 04:07*	*08/19/14 14:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*52 - 124*	*08/19/14 04:07*	*08/19/14 14:31*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/19/14 04:07*	*08/19/14 14:31*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**71**	**J**	74	7.1	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Acenaphthylene	**400**		74	8.4	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Acetophenone	ND		360	30	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Anthracene	**360**		74	7.2	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Atrazine	ND		360	36	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Benzo[a]anthracene	**770**		74	9.2	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Benzo[a]pyrene	**780**		74	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Benzo[b]fluoranthene	**910**		74	12	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Benzo[g,h,i]perylene	**750**		74	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Benzo[k]fluoranthene	**430**		74	15	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Bis(2-ethylhexyl) phthalate	ND		740	59	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Carbazole	**70**	**J**	74	6.8	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Chrysene	**810**		74	8.8	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Dibenz(a,h)anthracene	**190**		74	8.2	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Dibenzofuran	**37**	**J**	360	36	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1

Client Sample ID: SSHS-B69-0.17-2 (1)

Date Collected: 08/14/14 14:58
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-15

Matrix: Solid
Percent Solids: 90.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Fluoranthene	**1200**		74	7.9	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Fluorene	**94**		74	9.7	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Hexachlorobenzene	ND		74	7.8	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Hexachlorobutadiene	ND		74	8.2	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Hexachlorocyclopentadiene	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Indeno[1,2,3-cd]pyrene	**600**		74	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Isophorone	ND		360	28	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
2-Methylnaphthalene	**42**	**J**	74	6.6	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Naphthalene	**53**	**J**	74	6.3	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
2-Nitrophenol	ND		360	41	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
N-Nitrosodi-n-propylamine	ND		74	8.6	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
2,2'-oxybis[1-chloropropane]	ND		74	7.9	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Phenanthrene	**510**		74	12	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Phenol	ND		74	8.7	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
Pyrene	**1000**		74	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
2,3,4,6-Tetrachlorophenol	ND		360	24	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/26/14 18:45	08/27/14 19:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*380*	*T J*	*ug/Kg*	☼	*11.22*		*08/26/14 18:45*	*08/27/14 19:56*	*1*
Unknown PAH	*280*	*T J*	*ug/Kg*	☼	*12.68*		*08/26/14 18:45*	*08/27/14 19:56*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*13.09*		*08/26/14 18:45*	*08/27/14 19:56*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*13.72*		*08/26/14 18:45*	*08/27/14 19:56*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*14.96*		*08/26/14 18:45*	*08/27/14 19:56*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*16.56*		*08/26/14 18:45*	*08/27/14 19:56*	*1*
Unknown PAH	*610*	*T J*	*ug/Kg*	☼	*16.92*		*08/26/14 18:45*	*08/27/14 19:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*08/26/14 18:45*	*08/27/14 19:56*	*1*
2-Fluorophenol (Surr)	*68*		*39 - 103*	*08/26/14 18:45*	*08/27/14 19:56*	*1*
Nitrobenzene-d5 (Surr)	*73*		*25 - 104*	*08/26/14 18:45*	*08/27/14 19:56*	*1*
Phenol-d5 (Surr)	*66*		*25 - 105*	*08/26/14 18:45*	*08/27/14 19:56*	*1*
Terphenyl-d14 (Surr)	*65*		*25 - 127*	*08/26/14 18:45*	*08/27/14 19:56*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*35 - 124*	*08/26/14 18:45*	*08/27/14 19:56*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B69-0.17-2 (1)
Date Collected: 08/14/14 14:58
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-15
Matrix: Solid
Percent Solids: 90.8

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
alpha-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
beta-BHC	**0.68**	**J p**	1.8	0.47	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
4,4'-DDD	**0.42**	**J p**	1.8	0.24	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
4,4'-DDT	**1.1**	**J p**	1.8	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
delta-BHC	ND		1.8	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
Endosulfan I	**0.59**	**J**	1.8	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
Endosulfan sulfate	**0.47**	**J p**	1.8	0.19	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
Endrin	**2.6**	**p**	1.8	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
gamma-BHC (Lindane)	**0.62**	**J p**	1.8	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
gamma-Chlordane	**2.7**	**p**	1.8	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
Heptachlor epoxide	**6.5**	**p**	1.8	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1
Toxaphene	ND		72	12	ug/Kg	☼	08/26/14 07:50	08/27/14 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 130*	*08/26/14 07:50*	*08/27/14 15:25*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 130*	*08/26/14 07:50*	*08/27/14 15:25*	*1*
Tetrachloro-m-xylene	*71*		*45 - 130*	*08/26/14 07:50*	*08/27/14 15:25*	*1*
Tetrachloro-m-xylene	*73*		*45 - 130*	*08/26/14 07:50*	*08/27/14 15:25*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/26/14 07:50	08/27/14 20:05	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/26/14 07:50	08/27/14 20:05	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/26/14 07:50	08/27/14 20:05	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/26/14 07:50	08/27/14 20:05	1
PCB-1248	**520**		18	1.7	ug/Kg	☼	08/26/14 07:50	08/27/14 20:05	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/26/14 07:50	08/27/14 20:05	1
PCB-1260	**51**		18	2.6	ug/Kg	☼	08/26/14 07:50	08/27/14 20:37	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/26/14 07:50	08/27/14 20:05	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/26/14 07:50	08/27/14 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/26/14 07:50*	*08/27/14 20:05*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/26/14 07:50*	*08/27/14 20:37*	*1*
Tetrachloro-m-xylene (Surr)	*66*		*45 - 135*	*08/26/14 07:50*	*08/27/14 20:05*	*1*
Tetrachloro-m-xylene (Surr)	*69*		*45 - 135*	*08/26/14 07:50*	*08/27/14 20:37*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6600**		22	2.3	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1

Client Sample ID: SSHS-B69-0.17-2 (1)

Lab Sample ID: 180-35818-15

Date Collected: 08/14/14 14:58
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.7**		1.1	0.33	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Barium	**54**		22	0.014	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Beryllium	**0.32**	**J**	0.44	0.012	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Cadmium	**0.12**	**J B**	0.55	0.016	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Calcium	**25000**		550	1.6	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Chromium	**8.1**	**B**	0.55	0.084	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Cobalt	**6.5**		5.5	0.046	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Copper	**20**		2.7	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Iron	**16000**		11	0.97	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Lead	**15**		1.1	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Magnesium	**4900**		550	2.3	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Manganese	**450**		1.6	0.097	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Nickel	**16**		4.4	0.052	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Potassium	**610**		550	7.0	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Selenium	**0.51**	**J**	1.1	0.29	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Silver	ND		0.55	0.044	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Sodium	**180**	**J**	550	1.2	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Vanadium	**12**	**B**	5.5	0.19	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1
Zinc	**57**	**B**	2.2	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 14:03	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.025**	**J**	0.036	0.012	mg/Kg	☼	08/27/14 09:11	08/27/14 12:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.2**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**91**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	ND		0.56	0.16	mg/Kg	☼	08/22/14 07:00	08/22/14 10:00	1

Client Sample ID: SSHS-B69-2-4 (4)

Lab Sample ID: 180-35818-16

Date Collected: 08/14/14 15:04
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 83.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**6.9**	**J**	24	6.1	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Benzene	ND		6.1	0.82	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Bromoform	ND		6.1	0.54	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Bromomethane	ND		6.1	0.90	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
2-Butanone (MEK)	ND		6.1	1.1	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Carbon disulfide	ND		6.1	0.62	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Carbon tetrachloride	ND		6.1	0.54	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Chlorobenzene	ND		6.1	0.92	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Chlorobromomethane	ND		6.1	0.84	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Chlorodibromomethane	ND		6.1	0.86	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Chloroethane	ND		6.1	1.9	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Chloroform	ND		6.1	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Chloromethane	ND		6.1	1.0	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B69-2-4 (4) **Lab Sample ID: 180-35818-16**
Date Collected: 08/14/14 15:04 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 83.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		6.1	0.85	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
cis-1,3-Dichloropropene	ND		6.1	0.82	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Cyclohexane	ND		6.1	0.45	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
1,2-Dibromo-3-Chloropropane	ND		6.1	0.91	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
1,2-Dibromoethane	ND		6.1	1.0	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
1,2-Dichlorobenzene	ND		6.1	0.97	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
1,3-Dichlorobenzene	ND		6.1	0.80	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
1,4-Dichlorobenzene	ND		6.1	0.77	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Dichlorobromomethane	ND		6.1	0.68	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Dichlorodifluoromethane	ND		6.1	0.81	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
1,1-Dichloroethane	ND		6.1	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
1,2-Dichloroethane	ND		6.1	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
1,1-Dichloroethene	ND		6.1	1.0	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
1,2-Dichloropropane	ND		6.1	0.66	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
1,4-Dioxane	ND		1200	340	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Ethylbenzene	ND		6.1	0.78	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
2-Hexanone	ND		6.1	0.84	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Isopropylbenzene	ND		6.1	0.82	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Methyl acetate	ND		6.1	1.1	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Methylcyclohexane	ND		6.1	0.88	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Methylene Chloride	ND		6.1	0.82	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
4-Methyl-2-pentanone (MIBK)	ND		6.1	0.79	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Methyl tert-butyl ether	ND		6.1	0.91	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
m-Xylene & p-Xylene	ND		12	1.8	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
o-Xylene	ND		6.1	0.95	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Styrene	ND		6.1	0.86	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
1,1,2,2-Tetrachloroethane	ND		6.1	0.87	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Tetrachloroethene	ND		6.1	0.83	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Toluene	ND		6.1	0.89	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
trans-1,2-Dichloroethene	ND		6.1	0.72	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
trans-1,3-Dichloropropene	ND		6.1	0.73	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
1,2,3-Trichlorobenzene	ND		6.1	1.0	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
1,2,4-Trichlorobenzene	ND		6.1	1.1	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
1,1,1-Trichloroethane	ND		6.1	0.59	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
1,1,2-Trichloroethane	ND		6.1	1.0	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Trichloroethene	**1.6**	**J**	6.1	0.80	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Trichlorofluoromethane	ND		6.1	1.1	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.1	1.3	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1
Vinyl chloride	ND		6.1	0.57	ug/Kg	☼	08/19/14 04:07	08/19/14 14:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/19/14 04:07*	*08/19/14 14:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*63 - 120*	*08/19/14 04:07*	*08/19/14 14:53*	*1*
Dibromofluoromethane (Surr)	*103*		*68 - 121*	*08/19/14 04:07*	*08/19/14 14:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*52 - 124*	*08/19/14 04:07*	*08/19/14 14:53*	*1*
Toluene-d8 (Surr)	*108*		*72 - 127*	*08/19/14 04:07*	*08/19/14 14:53*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B69-2-4 (4)
Date Collected: 08/14/14 15:04
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-16
Matrix: Solid
Percent Solids: 83.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**74**	**J**	80	7.7	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Acenaphthylene	**120**		80	9.2	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Acetophenone	**130**	**J**	400	33	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Anthracene	**170**		80	7.8	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Atrazine	ND		400	39	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Benzaldehyde	ND		400	60	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Benzo[a]anthracene	**380**		80	10	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Benzo[a]pyrene	**320**		80	8.0	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Benzo[b]fluoranthene	**480**		80	13	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Benzo[g,h,i]perylene	**340**		80	8.0	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Benzo[k]fluoranthene	**200**		80	16	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
1,1'-Biphenyl	**140**	**J**	400	36	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Bis(2-chloroethoxy)methane	ND		400	26	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Bis(2-chloroethyl)ether	ND		80	11	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Bis(2-ethylhexyl) phthalate	ND		800	65	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
4-Bromophenyl phenyl ether	ND		400	35	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Butyl benzyl phthalate	ND		400	55	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Caprolactam	ND		2000	300	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Carbazole	**66**	**J**	80	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
4-Chloroaniline	ND		400	32	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
4-Chloro-3-methylphenol	ND		400	37	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
2-Chloronaphthalene	ND		80	8.4	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
2-Chlorophenol	ND		400	33	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
4-Chlorophenyl phenyl ether	ND		400	45	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Chrysene	**560**		80	9.5	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Dibenz(a,h)anthracene	**91**		80	8.9	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Dibenzofuran	**270**	**J**	400	39	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
3,3'-Dichlorobenzidine	ND		400	42	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
2,4-Dichlorophenol	ND		80	8.0	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Diethyl phthalate	ND		400	44	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
2,4-Dimethylphenol	ND		400	63	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Dimethyl phthalate	ND		400	44	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Di-n-butyl phthalate	ND		400	50	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
2,4-Dinitrophenol	ND		2000	480	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
2,4-Dinitrotoluene	ND		400	32	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
2,6-Dinitrotoluene	ND		400	41	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Di-n-octyl phthalate	ND		400	42	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
1,4-Dioxane	ND		800	46	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Fluoranthene	**840**		80	8.6	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Fluorene	**110**		80	11	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Hexachlorobenzene	ND		80	8.5	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Hexachlorobutadiene	ND		80	9.0	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Hexachlorocyclopentadiene	ND		400	43	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Hexachloroethane	ND		400	29	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Indeno[1,2,3-cd]pyrene	**250**		80	8.3	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Isophorone	ND		400	30	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
2-Methylnaphthalene	**880**		80	7.2	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
2-Methylphenol	ND		400	28	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1

Client Sample Results

Client Sample ID: SSHS-B69-2-4 (4)
Lab Sample ID: 180-35818-16
Date Collected: 08/14/14 15:04
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 83.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		400	39	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Naphthalene	**580**		80	6.9	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Nitrobenzene	ND		800	33	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
2-Nitrophenol	ND		400	44	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
4-Nitrophenol	ND		2000	150	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
N-Nitrosodi-n-propylamine	ND		80	9.4	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
N-Nitrosodiphenylamine	ND		400	37	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
2,2'-oxybis[1-chloropropane]	ND		80	8.6	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Pentachlorophenol	ND		400	36	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Phenanthrene	**740**		80	13	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Phenol	ND		80	9.5	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
Pyrene	**600**		80	8.1	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
1,2,4,5-Tetrachlorobenzene	ND		400	30	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
2,3,4,6-Tetrachlorophenol	ND		400	26	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
2,4,5-Trichlorophenol	ND		400	43	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1
2,4,6-Trichlorophenol	ND		400	60	ug/Kg	☼	08/26/14 18:45	08/27/14 20:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Substituted Biphenyl	*1500*	*T J*	*ug/Kg*	☼	*9.79*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown	*2600*	*T J*	*ug/Kg*	☼	*10.00*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*2200*	*T J*	*ug/Kg*	☼	*10.32*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*12000*	*T J*	*ug/Kg*	☼	*10.50*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown	*5500*	*T J*	*ug/Kg*	☼	*10.52*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown	*1500*	*T J*	*ug/Kg*	☼	*10.55*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*25000*	*T J*	*ug/Kg*	☼	*10.90*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*7500*	*T J*	*ug/Kg*	☼	*10.98*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*5700*	*T J*	*ug/Kg*	☼	*11.06*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*3900*	*T J*	*ug/Kg*	☼	*11.10*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*1700*	*T J*	*ug/Kg*	☼	*11.16*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*14000*	*T J*	*ug/Kg*	☼	*11.19*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*12000*	*T J*	*ug/Kg*	☼	*11.23*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown	*7700*	*T J*	*ug/Kg*	☼	*11.26*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*14000*	*T J*	*ug/Kg*	☼	*11.38*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*4900*	*T J*	*ug/Kg*	☼	*11.42*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown	*4000*	*T J*	*ug/Kg*	☼	*11.45*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*4000*	*T J*	*ug/Kg*	☼	*11.48*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*8900*	*T J*	*ug/Kg*	☼	*11.51*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*3600*	*T J*	*ug/Kg*	☼	*11.58*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown	*1600*	*T J*	*ug/Kg*	☼	*11.67*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*8200*	*T J*	*ug/Kg*	☼	*11.74*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*16000*	*T J*	*ug/Kg*	☼	*11.77*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*16000*	*T J*	*ug/Kg*	☼	*11.81*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*11000*	*T J*	*ug/Kg*	☼	*11.97*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*7000*	*T J*	*ug/Kg*	☼	*12.02*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*3000*	*T J*	*ug/Kg*	☼	*12.08*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*2700*	*T J*	*ug/Kg*	☼	*12.32*		*08/26/14 18:45*	*08/27/14 20:25*	*1*
Unknown Substituted Biphenyl	*2400*	*T J*	*ug/Kg*	☼	*12.42*		*08/26/14 18:45*	*08/27/14 20:25*	*1*

Client Sample Results

Client Sample ID: SSHS-B69-2-4 (4)

Lab Sample ID: 180-35818-16

Date Collected: 08/14/14 15:04

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 83.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Substituted Biphenyl	*2100*	*T J*	*ug/Kg*	☼	*12.73*		*08/26/14 18:45*	*08/27/14 20:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*08/26/14 18:45*	*08/27/14 20:25*	*1*
2-Fluorophenol (Surr)	*69*		*39 - 103*	*08/26/14 18:45*	*08/27/14 20:25*	*1*
Nitrobenzene-d5 (Surr)	*74*		*25 - 104*	*08/26/14 18:45*	*08/27/14 20:25*	*1*
Phenol-d5 (Surr)	*67*		*25 - 105*	*08/26/14 18:45*	*08/27/14 20:25*	*1*
Terphenyl-d14 (Surr)	*62*		*25 - 127*	*08/26/14 18:45*	*08/27/14 20:25*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 124*	*08/26/14 18:45*	*08/27/14 20:25*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		2.0	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 16:27	1
alpha-Chlordane	**110**	**p**	2.0	0.39	ug/Kg	☼	08/26/14 07:50	08/27/14 16:27	1
4,4'-DDD	**290**	**p**	2.0	0.26	ug/Kg	☼	08/26/14 07:50	08/27/14 16:27	1
4,4'-DDE	ND		2.0	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 16:27	1
Dieldrin	**200**		2.0	0.33	ug/Kg	☼	08/26/14 07:50	08/27/14 16:27	1
Endosulfan II	**62**	**p**	2.0	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 16:27	1
Endosulfan sulfate	**170**	**p**	2.0	0.21	ug/Kg	☼	08/26/14 07:50	08/27/14 16:27	1
Endrin aldehyde	**97**	**p**	2.0	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 16:27	1
Endrin ketone	**150**	**p**	2.0	0.31	ug/Kg	☼	08/26/14 07:50	08/27/14 16:27	1
gamma-BHC (Lindane)	**67**	**p**	2.0	0.35	ug/Kg	☼	08/26/14 07:50	08/27/14 16:27	1
Toxaphene	ND		79	13	ug/Kg	☼	08/26/14 07:50	08/27/14 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*	*08/26/14 07:50*	*08/27/14 16:27*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/26/14 07:50*	*08/27/14 16:27*	*1*
Tetrachloro-m-xylene	*238*	*X*	*45 - 130*	*08/26/14 07:50*	*08/27/14 16:27*	*1*
Tetrachloro-m-xylene	*72*	*p*	*45 - 130*	*08/26/14 07:50*	*08/27/14 16:27*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**2600**	**p**	40	7.1	ug/Kg	☼	08/26/14 07:50	08/28/14 13:47	20
beta-BHC	**990**	**p**	40	10	ug/Kg	☼	08/26/14 07:50	08/28/14 13:47	20
4,4'-DDT	**2100**		40	5.9	ug/Kg	☼	08/26/14 07:50	08/28/14 13:47	20
delta-BHC	ND		40	6.0	ug/Kg	☼	08/26/14 07:50	08/28/14 13:47	20
Endosulfan I	**430**		40	7.4	ug/Kg	☼	08/26/14 07:50	08/28/14 13:47	20
Endrin	**1200**	**p**	40	7.7	ug/Kg	☼	08/26/14 07:50	08/28/14 13:47	20
gamma-Chlordane	**3300**	**p**	40	7.8	ug/Kg	☼	08/26/14 07:50	08/28/14 13:47	20
Heptachlor	ND		40	8.8	ug/Kg	☼	08/26/14 07:50	08/28/14 13:47	20
Heptachlor epoxide	**5200**		40	7.7	ug/Kg	☼	08/26/14 07:50	08/28/14 13:47	20
Methoxychlor	**970**	**p**	78	8.2	ug/Kg	☼	08/26/14 07:50	08/28/14 13:47	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*97*	*D*	*45 - 130*	*08/26/14 07:50*	*08/28/14 13:47*	*20*
DCB Decachlorobiphenyl (Surr)	*95*	*D*	*45 - 130*	*08/26/14 07:50*	*08/28/14 13:47*	*20*
Tetrachloro-m-xylene	*294*	*D X*	*45 - 130*	*08/26/14 07:50*	*08/28/14 13:47*	*20*
Tetrachloro-m-xylene	*85*	*D*	*45 - 130*	*08/26/14 07:50*	*08/28/14 13:47*	*20*

Client Sample ID: SSHS-B69-2-4 (4)

Date Collected: 08/14/14 15:04
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-16
Matrix: Solid
Percent Solids: 83.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		4000	590	ug/Kg	☼	08/26/14 07:50	08/28/14 21:55	200
PCB-1221	ND		4000	750	ug/Kg	☼	08/26/14 07:50	08/28/14 21:55	200
PCB-1232	ND		4000	680	ug/Kg	☼	08/26/14 07:50	08/28/14 21:55	200
PCB-1242	ND		4000	640	ug/Kg	☼	08/26/14 07:50	08/28/14 21:55	200
PCB-1248	**390000**		4000	370	ug/Kg	☼	08/26/14 07:50	08/28/14 21:55	200
PCB-1254	ND		4000	560	ug/Kg	☼	08/26/14 07:50	08/28/14 21:55	200
PCB-1260	**18000**		4000	560	ug/Kg	☼	08/26/14 07:50	08/28/14 21:55	200
PCB-1262	ND		4000	870	ug/Kg	☼	08/26/14 07:50	08/28/14 21:55	200
PCB-1268	ND		4000	510	ug/Kg	☼	08/26/14 07:50	08/28/14 21:55	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*141*	*D p X*	*45 - 125*	*08/26/14 07:50*	*08/28/14 21:55*	*200*
DCB Decachlorobiphenyl (Surr)	*273*	*D X*	*45 - 125*	*08/26/14 07:50*	*08/28/14 22:26*	*200*
Tetrachloro-m-xylene (Surr)	*133*	*D*	*45 - 135*	*08/26/14 07:50*	*08/28/14 21:55*	*200*
Tetrachloro-m-xylene (Surr)	*131*	*D*	*45 - 135*	*08/26/14 07:50*	*08/28/14 22:26*	*200*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6800**		25	2.6	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Antimony	**1.6**	**J**	2.5	0.50	mg/Kg	☼	08/21/14 13:02	08/28/14 07:44	2
Arsenic	**28**		1.3	0.39	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Barium	**240**		25	0.016	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Beryllium	**0.47**	**J**	0.51	0.014	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Cadmium	**0.29**	**J B**	0.63	0.018	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Calcium	**7500**		630	1.9	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Chromium	**40**	**B**	0.63	0.098	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Cobalt	**7.8**		6.3	0.053	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Copper	**340**		3.2	0.18	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Iron	**44000**		13	1.1	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Lead	**1800**		2.5	0.26	mg/Kg	☼	08/21/14 13:02	08/28/14 07:44	2
Magnesium	**1900**		630	2.6	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Manganese	**470**		1.9	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Nickel	**160**		5.1	0.060	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Potassium	**650**		630	8.1	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Selenium	**2.5**		1.3	0.34	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Silver	**0.26**	**J**	0.63	0.051	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Sodium	**520**	**J**	630	1.3	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Thallium	**0.30**	**J**	2.5	0.19	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Vanadium	**18**	**B**	6.3	0.22	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1
Zinc	**200**	**B**	2.5	0.13	mg/Kg	☼	08/21/14 13:02	08/27/14 14:09	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.39**		0.039	0.013	mg/Kg	☼	08/27/14 09:11	08/27/14 12:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**83**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	ND		0.61	0.18	mg/Kg	☼	08/22/14 07:00	08/22/14 10:00	1

Client Sample ID: SSHS-B69-4-6R (5) **Lab Sample ID: 180-35818-17**
Date Collected: 08/14/14 15:12 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 91.0**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.6	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Benzene	ND		4.6	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Bromoform	ND		4.6	0.40	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Bromomethane	ND		4.6	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
2-Butanone (MEK)	ND		4.6	0.81	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Carbon disulfide	ND		4.6	0.47	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Carbon tetrachloride	ND		4.6	0.41	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Chlorobenzene	ND		4.6	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Chlorobromomethane	ND		4.6	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Chlorodibromomethane	ND		4.6	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Chloroethane	ND		4.6	1.4	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Chloroform	ND		4.6	0.54	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Chloromethane	ND		4.6	0.78	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
cis-1,2-Dichloroethene	ND		4.6	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
cis-1,3-Dichloropropene	ND		4.6	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Cyclohexane	ND		4.6	0.34	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
1,2-Dibromo-3-Chloropropane	ND		4.6	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
1,2-Dibromoethane	ND		4.6	0.79	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
1,2-Dichlorobenzene	ND		4.6	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
1,3-Dichlorobenzene	ND		4.6	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
1,4-Dichlorobenzene	ND		4.6	0.58	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Dichlorobromomethane	ND		4.6	0.51	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Dichlorodifluoromethane	ND		4.6	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
1,1-Dichloroethane	ND		4.6	0.53	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
1,2-Dichloroethane	ND		4.6	0.56	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
1,1-Dichloroethene	ND		4.6	0.78	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
1,2-Dichloropropane	ND		4.6	0.50	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
1,4-Dioxane	ND		910	250	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Ethylbenzene	ND		4.6	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
2-Hexanone	ND		4.6	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Isopropylbenzene	ND		4.6	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Methyl acetate	ND		4.6	0.82	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Methylcyclohexane	ND		4.6	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Methylene Chloride	ND		4.6	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Methyl tert-butyl ether	ND		4.6	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
m-Xylene & p-Xylene	ND		9.1	1.3	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
o-Xylene	ND		4.6	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Styrene	ND		4.6	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Tetrachloroethene	ND		4.6	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Toluene	ND		4.6	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
trans-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
trans-1,3-Dichloropropene	ND		4.6	0.55	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
1,2,3-Trichlorobenzene	ND		4.6	0.77	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
1,2,4-Trichlorobenzene	ND		4.6	0.81	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
1,1,1-Trichloroethane	ND		4.6	0.44	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
1,1,2-Trichloroethane	ND		4.6	0.76	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Trichloroethene	ND		4.6	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1

Client Sample ID: SSHS-B69-4-6R (5)
Lab Sample ID: 180-35818-17
Date Collected: 08/14/14 15:12
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.6	0.84	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	0.98	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1
Vinyl chloride	ND		4.6	0.43	ug/Kg	☼	08/20/14 03:43	08/20/14 06:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 06:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*63 - 120*	*08/20/14 03:43*	*08/20/14 06:11*	*1*
Dibromofluoromethane (Surr)	*103*		*68 - 121*	*08/20/14 03:43*	*08/20/14 06:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*52 - 124*	*08/20/14 03:43*	*08/20/14 06:11*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/20/14 03:43*	*08/20/14 06:11*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**37**	**J**	74	7.0	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Acenaphthylene	**150**		74	8.4	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Acetophenone	ND		360	30	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Anthracene	**130**		74	7.2	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Atrazine	ND		360	36	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Benzo[a]anthracene	**320**		74	9.2	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Benzo[a]pyrene	**260**		74	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Benzo[b]fluoranthene	**370**		74	12	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Benzo[g,h,i]perylene	**320**		74	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Benzo[k]fluoranthene	**140**		74	15	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
1,1'-Biphenyl	**37**	**J**	360	33	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Bis(2-chloroethyl)ether	ND		74	9.8	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Bis(2-ethylhexyl) phthalate	ND		740	59	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Carbazole	**33**	**J**	74	6.8	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
2-Chloronaphthalene	ND		74	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Chrysene	**440**		74	8.7	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Dibenz(a,h)anthracene	**91**		74	8.2	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Dibenzofuran	**84**	**J**	360	36	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1

Client Sample ID: SSHS-B69-4-6R (5)
Lab Sample ID: 180-35818-17
Date Collected: 08/14/14 15:12
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Fluoranthene	**440**		74	7.8	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Fluorene	**53**	**J**	74	9.7	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Hexachlorobenzene	ND		74	7.8	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Hexachlorobutadiene	ND		74	8.2	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Hexachlorocyclopentadiene	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Indeno[1,2,3-cd]pyrene	**230**		74	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Isophorone	ND		360	28	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
2-Methylnaphthalene	**270**		74	6.6	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Naphthalene	**190**		74	6.3	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
N-Nitrosodi-n-propylamine	ND		74	8.6	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
2,2'-oxybis[1-chloropropane]	ND		74	7.9	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Phenanthrene	**310**		74	12	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Phenol	ND		74	8.7	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
Pyrene	**380**		74	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
2,3,4,6-Tetrachlorophenol	ND		360	24	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/26/14 18:45	08/27/14 20:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*440*	*T J*	*ug/Kg*	☼	*9.99*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown	*400*	*T J*	*ug/Kg*	☼	*10.42*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown Substituted Biphenyl	*830*	*T J*	*ug/Kg*	☼	*10.49*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown Substituted Biphenyl	*1600*	*T J*	*ug/Kg*	☼	*10.90*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown Substituted Biphenyl	*550*	*T J*	*ug/Kg*	☼	*10.98*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown Substituted Biphenyl	*530*	*T J*	*ug/Kg*	☼	*11.05*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown	*470*	*T J*	*ug/Kg*	☼	*11.10*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown Substituted Biphenyl	*930*	*T J*	*ug/Kg*	☼	*11.19*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown Substituted Biphenyl	*810*	*T J*	*ug/Kg*	☼	*11.22*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown Substituted Biphenyl	*890*	*T J*	*ug/Kg*	☼	*11.38*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown Substituted Biphenyl	*420*	*T J*	*ug/Kg*	☼	*11.50*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown	*390*	*T J*	*ug/Kg*	☼	*11.54*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown	*420*	*T J*	*ug/Kg*	☼	*11.58*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown Substituted Biphenyl	*420*	*T J*	*ug/Kg*	☼	*11.73*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown Substituted Biphenyl	*740*	*T J*	*ug/Kg*	☼	*11.77*		*08/26/14 18:45*	*08/27/14 20:54*	*1*

Client Sample Results

Client Sample ID: SSHS-B69-4-6R (5)

Lab Sample ID: 180-35818-17

Date Collected: 08/14/14 15:12

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 91.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*11.79*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown Substituted Biphenyl	*660*	*T J*	*ug/Kg*	☼	*11.97*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown	*610*	*T J*	*ug/Kg*	☼	*13.08*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown	*430*	*T J*	*ug/Kg*	☼	*15.92*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*16.13*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown	*440*	*T J*	*ug/Kg*	☼	*16.18*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown	*620*	*T J*	*ug/Kg*	☼	*16.68*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown	*580*	*T J*	*ug/Kg*	☼	*16.69*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown	*670*	*T J*	*ug/Kg*	☼	*16.92*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown	*400*	*T J*	*ug/Kg*	☼	*17.78*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown	*510*	*T J*	*ug/Kg*	☼	*17.79*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown	*520*	*T J*	*ug/Kg*	☼	*17.82*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown	*690*	*T J*	*ug/Kg*	☼	*17.83*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown	*710*	*T J*	*ug/Kg*	☼	*18.36*		*08/26/14 18:45*	*08/27/14 20:54*	*1*
Unknown	*990*	*T J*	*ug/Kg*	☼	*19.00*		*08/26/14 18:45*	*08/27/14 20:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*35 - 105*	*08/26/14 18:45*	*08/27/14 20:54*	*1*
2-Fluorophenol (Surr)	*76*		*39 - 103*	*08/26/14 18:45*	*08/27/14 20:54*	*1*
Nitrobenzene-d5 (Surr)	*76*		*25 - 104*	*08/26/14 18:45*	*08/27/14 20:54*	*1*
Phenol-d5 (Surr)	*73*		*25 - 105*	*08/26/14 18:45*	*08/27/14 20:54*	*1*
Terphenyl-d14 (Surr)	*64*		*25 - 127*	*08/26/14 18:45*	*08/27/14 20:54*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*35 - 124*	*08/26/14 18:45*	*08/27/14 20:54*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 07:50	08/27/14 16:42	1
alpha-Chlordane	**12**	**p**	1.9	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 16:42	1
beta-BHC	**110**	**p**	1.9	0.48	ug/Kg	☼	08/26/14 07:50	08/27/14 16:42	1
4,4'-DDD	**2.2**	**p**	1.9	0.24	ug/Kg	☼	08/26/14 07:50	08/27/14 16:42	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 16:42	1
4,4'-DDT	**34**	**p**	1.9	0.27	ug/Kg	☼	08/26/14 07:50	08/27/14 16:42	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 16:42	1
Dieldrin	**23**		1.9	0.31	ug/Kg	☼	08/26/14 07:50	08/27/14 16:42	1
Endosulfan I	**48**		1.9	0.34	ug/Kg	☼	08/26/14 07:50	08/27/14 16:42	1
Endosulfan II	**6.5**	**p**	1.9	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 16:42	1
Endosulfan sulfate	**21**	**p**	1.9	0.19	ug/Kg	☼	08/26/14 07:50	08/27/14 16:42	1
Endrin	**130**	**p**	1.9	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 16:42	1
Endrin aldehyde	**13**	**p**	1.9	0.36	ug/Kg	☼	08/26/14 07:50	08/27/14 16:42	1
Endrin ketone	**20**	**p**	1.9	0.28	ug/Kg	☼	08/26/14 07:50	08/27/14 16:42	1
gamma-BHC (Lindane)	**9.4**	**p**	1.9	0.32	ug/Kg	☼	08/26/14 07:50	08/27/14 16:42	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/26/14 07:50	08/27/14 16:42	1
Methoxychlor	**120**	**p**	3.6	0.38	ug/Kg	☼	08/26/14 07:50	08/27/14 16:42	1
Toxaphene	ND		74	12	ug/Kg	☼	08/26/14 07:50	08/27/14 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/26/14 07:50*	*08/27/14 16:42*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 130*	*08/26/14 07:50*	*08/27/14 16:42*	*1*
Tetrachloro-m-xylene	*94*		*45 - 130*	*08/26/14 07:50*	*08/27/14 16:42*	*1*
Tetrachloro-m-xylene	*71*		*45 - 130*	*08/26/14 07:50*	*08/27/14 16:42*	*1*

Client Sample Results

Client Sample ID: SSHS-B69-4-6R (5)

Lab Sample ID: 180-35818-17

Date Collected: 08/14/14 15:12

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 91.0

Method: 8081B - Organochlorine Pesticides (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**360**	**p**	9.3	1.6	ug/Kg	☼	08/26/14 07:50	08/28/14 14:03	5
gamma-Chlordane	**490**	**p**	9.3	1.8	ug/Kg	☼	08/26/14 07:50	08/28/14 14:03	5
Heptachlor epoxide	**1000**		9.3	1.8	ug/Kg	☼	08/26/14 07:50	08/28/14 14:03	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 130*	*08/26/14 07:50*	*08/28/14 14:03*	*5*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 130*	*08/26/14 07:50*	*08/28/14 14:03*	*5*
Tetrachloro-m-xylene	*119*		*45 - 130*	*08/26/14 07:50*	*08/28/14 14:03*	*5*
Tetrachloro-m-xylene	*87*		*45 - 130*	*08/26/14 07:50*	*08/28/14 14:03*	*5*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		920	140	ug/Kg	☼	08/26/14 07:50	08/28/14 22:26	50
PCB-1221	ND		920	170	ug/Kg	☼	08/26/14 07:50	08/28/14 22:26	50
PCB-1232	ND		920	160	ug/Kg	☼	08/26/14 07:50	08/28/14 22:26	50
PCB-1242	ND		920	150	ug/Kg	☼	08/26/14 07:50	08/28/14 22:26	50
PCB-1248	**48000**		920	87	ug/Kg	☼	08/26/14 07:50	08/28/14 22:26	50
PCB-1254	ND		920	130	ug/Kg	☼	08/26/14 07:50	08/28/14 22:26	50
PCB-1260	**2200**		920	130	ug/Kg	☼	08/26/14 07:50	08/28/14 22:26	50
PCB-1262	ND		920	200	ug/Kg	☼	08/26/14 07:50	08/28/14 22:26	50
PCB-1268	ND		920	120	ug/Kg	☼	08/26/14 07:50	08/28/14 22:26	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*111*	*D p*	*45 - 125*	*08/26/14 07:50*	*08/28/14 22:26*	*50*
DCB Decachlorobiphenyl (Surr)	*210*	*D X*	*45 - 125*	*08/26/14 07:50*	*08/28/14 22:58*	*50*
Tetrachloro-m-xylene (Surr)	*96*	*D*	*45 - 135*	*08/26/14 07:50*	*08/28/14 22:26*	*50*
Tetrachloro-m-xylene (Surr)	*106*	*D*	*45 - 135*	*08/26/14 07:50*	*08/28/14 22:58*	*50*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7100**		21	2.2	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Antimony	**0.23**	**J**	1.0	0.21	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Arsenic	**19**		1.0	0.32	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Barium	**100**		21	0.013	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Beryllium	**0.36**	**J**	0.42	0.012	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Cadmium	**0.092**	**J B**	0.52	0.015	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Calcium	**7600**		520	1.6	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Chromium	**16**	**B**	0.52	0.081	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Cobalt	**6.2**		5.2	0.044	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Copper	**100**		2.6	0.15	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Iron	**25000**		10	0.93	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Lead	**72**		1.0	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Magnesium	**2900**		520	2.2	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Manganese	**340**		1.6	0.093	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Nickel	**49**		4.2	0.050	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Potassium	**660**		520	6.7	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Selenium	**1.6**		1.0	0.28	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Silver	**0.046**	**J**	0.52	0.042	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Sodium	**220**	**J**	520	1.1	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Thallium	**0.15**	**J**	2.1	0.15	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1

Client Sample ID: SSHS-B69-4-6R (5)

Lab Sample ID: 180-35818-17

Date Collected: 08/14/14 15:12
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	**14**	**B**	5.2	0.18	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1
Zinc	**110**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 14:14	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**		0.036	0.012	mg/Kg	☼	08/27/14 09:11	08/27/14 12:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.0**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**91**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	**0.55**	**J**	0.58	0.17	mg/Kg	☼	08/22/14 07:00	08/22/14 10:00	1

Client Sample ID: SSHS-B83-0.17-2 (1)

Lab Sample ID: 180-35818-18

Date Collected: 08/14/14 08:29
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.6	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Benzene	ND		4.6	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Bromoform	ND		4.6	0.41	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Bromomethane	ND		4.6	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
2-Butanone (MEK)	ND		4.6	0.82	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Carbon disulfide	ND		4.6	0.47	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Carbon tetrachloride	ND		4.6	0.41	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Chlorobenzene	ND		4.6	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Chlorobromomethane	ND		4.6	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Chlorodibromomethane	ND		4.6	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Chloroethane	ND		4.6	1.4	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Chloroform	ND		4.6	0.54	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Chloromethane	ND		4.6	0.79	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
cis-1,2-Dichloroethene	ND		4.6	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
cis-1,3-Dichloropropene	ND		4.6	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Cyclohexane	ND		4.6	0.34	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
1,2-Dibromo-3-Chloropropane	ND		4.6	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
1,2-Dibromoethane	ND		4.6	0.80	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
1,2-Dichlorobenzene	ND		4.6	0.74	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
1,3-Dichlorobenzene	ND		4.6	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
1,4-Dichlorobenzene	ND		4.6	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Dichlorobromomethane	ND		4.6	0.52	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Dichlorodifluoromethane	ND		4.6	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
1,1-Dichloroethane	ND		4.6	0.53	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
1,2-Dichloroethane	ND		4.6	0.57	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
1,1-Dichloroethene	ND		4.6	0.79	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
1,2-Dichloropropane	ND		4.6	0.50	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
1,4-Dioxane	ND		930	260	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Ethylbenzene	ND		4.6	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
2-Hexanone	ND		4.6	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Isopropylbenzene	ND		4.6	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1

Client Sample ID: SSHS-B83-0.17-2 (1)
Lab Sample ID: 180-35818-18
Date Collected: 08/14/14 08:29
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		4.6	0.83	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Methylcyclohexane	ND		4.6	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Methylene Chloride	ND		4.6	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Methyl tert-butyl ether	ND		4.6	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
m-Xylene & p-Xylene	ND		9.3	1.4	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
o-Xylene	ND		4.6	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Styrene	ND		4.6	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Tetrachloroethene	ND		4.6	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Toluene	ND		4.6	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
trans-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
trans-1,3-Dichloropropene	ND		4.6	0.55	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
1,2,3-Trichlorobenzene	ND		4.6	0.78	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
1,2,4-Trichlorobenzene	ND		4.6	0.82	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
1,1,1-Trichloroethane	ND		4.6	0.45	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
1,1,2-Trichloroethane	ND		4.6	0.77	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Trichloroethene	ND		4.6	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Trichlorofluoromethane	ND		4.6	0.85	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	0.99	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1
Vinyl chloride	ND		4.6	0.43	ug/Kg	☼	08/20/14 03:43	08/20/14 06:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 06:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*63 - 120*	*08/20/14 03:43*	*08/20/14 06:34*	*1*
Dibromofluoromethane (Surr)	*100*		*68 - 121*	*08/20/14 03:43*	*08/20/14 06:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*52 - 124*	*08/20/14 03:43*	*08/20/14 06:34*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*08/20/14 03:43*	*08/20/14 06:34*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Acenaphthylene	ND		73	8.3	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Acetophenone	ND		360	30	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Anthracene	ND		73	7.1	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Atrazine	ND		360	35	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Benzaldehyde	ND		360	54	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Benzo[a]anthracene	**21**	**J**	73	9.1	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Benzo[a]pyrene	ND		73	7.2	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Benzo[b]fluoranthene	ND		73	11	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Benzo[g,h,i]perylene	ND		73	7.2	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Benzo[k]fluoranthene	ND		73	15	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Bis(2-chloroethyl)ether	ND		73	9.7	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1

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

Client Sample ID: SSHS-B83-0.17-2 (1)
Lab Sample ID: 180-35818-18
Date Collected: 08/14/14 08:29
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		1800	270	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Carbazole	ND		73	6.7	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Chrysene	**22**	**J**	73	8.6	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Dibenz(a,h)anthracene	ND		73	8.1	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Dimethyl phthalate	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Di-n-butyl phthalate	ND		360	45	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
4,6-Dinitro-2-methylphenol	ND		1800	150	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
2,6-Dinitrotoluene	ND		360	37	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Fluoranthene	**33**	**J**	73	7.7	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Fluorene	ND		73	9.5	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Hexachlorobenzene	ND		73	7.7	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Hexachlorobutadiene	ND		73	8.1	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Indeno[1,2,3-cd]pyrene	ND		73	7.5	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Isophorone	ND		360	27	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
2-Methylnaphthalene	ND		73	6.5	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Methylphenol, 3 & 4	ND		360	35	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Naphthalene	ND		73	6.2	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
4-Nitroaniline	ND		1800	150	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
N-Nitrosodi-n-propylamine	ND		73	8.5	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
2,2'-oxybis[1-chloropropane]	ND		73	7.8	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Pentachlorophenol	ND		360	32	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Phenanthrene	ND		73	12	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Phenol	ND		73	8.6	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
Pyrene	**23**	**J**	73	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
1,2,4,5-Tetrachlorobenzene	ND		360	27	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1

Client Sample ID: SSHS-B83-0.17-2 (1)
Lab Sample ID: 180-35818-18
Date Collected: 08/14/14 08:29
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/26/14 18:45	08/27/14 21:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*280*	*T J*	*ug/Kg*	☼	*13.07*		*08/26/14 18:45*	*08/27/14 21:23*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*13.10*		*08/26/14 18:45*	*08/27/14 21:23*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*13.13*		*08/26/14 18:45*	*08/27/14 21:23*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*19.22*		*08/26/14 18:45*	*08/27/14 21:23*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*19.60*		*08/26/14 18:45*	*08/27/14 21:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*08/26/14 18:45*	*08/27/14 21:23*	*1*
2-Fluorophenol (Surr)	*72*		*39 - 103*	*08/26/14 18:45*	*08/27/14 21:23*	*1*
Nitrobenzene-d5 (Surr)	*71*		*25 - 104*	*08/26/14 18:45*	*08/27/14 21:23*	*1*
Phenol-d5 (Surr)	*68*		*25 - 105*	*08/26/14 18:45*	*08/27/14 21:23*	*1*
Terphenyl-d14 (Surr)	*63*		*25 - 127*	*08/26/14 18:45*	*08/27/14 21:23*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*35 - 124*	*08/26/14 18:45*	*08/27/14 21:23*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
Methoxychlor	ND		3.7	0.38	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1
Toxaphene	ND		74	12	ug/Kg	☼	08/26/14 20:50	08/27/14 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*08/26/14 20:50*	*08/27/14 20:20*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/26/14 20:50*	*08/27/14 20:20*	*1*
Tetrachloro-m-xylene	*86*		*45 - 130*	*08/26/14 20:50*	*08/27/14 20:20*	*1*
Tetrachloro-m-xylene	*84*		*45 - 130*	*08/26/14 20:50*	*08/27/14 20:20*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 00:49	1

Client Sample ID: SSHS-B83-0.17-2 (1)

Date Collected: 08/14/14 08:29
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-18

Matrix: Solid
Percent Solids: 90.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		18	3.5	ug/Kg	☼	08/26/14 20:50	08/28/14 00:49	1
PCB-1232	ND		18	3.2	ug/Kg	☼	08/26/14 20:50	08/28/14 00:49	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/26/14 20:50	08/28/14 00:49	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/26/14 20:50	08/28/14 00:49	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 00:49	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 00:49	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/26/14 20:50	08/28/14 00:49	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/26/14 20:50	08/28/14 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 125*	*08/26/14 20:50*	*08/28/14 00:49*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 125*	*08/26/14 20:50*	*08/28/14 01:20*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*45 - 135*	*08/26/14 20:50*	*08/28/14 00:49*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*45 - 135*	*08/26/14 20:50*	*08/28/14 01:20*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5400**		22	2.3	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Arsenic	**7.2**		1.1	0.33	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Barium	**32**		22	0.014	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Beryllium	**0.26**	**J**	0.43	0.012	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Cadmium	**0.072**	**J B**	0.54	0.016	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Calcium	**26000**		540	1.6	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Chromium	**7.0**	**B**	0.54	0.084	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Cobalt	**5.8**		5.4	0.045	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Copper	**18**		2.7	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Iron	**14000**		11	0.96	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Lead	**11**		1.1	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Magnesium	**3300**		540	2.2	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Manganese	**370**		1.6	0.097	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Nickel	**13**		4.3	0.052	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Potassium	**540**		540	6.9	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Selenium	**0.82**	**J**	1.1	0.29	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Silver	ND		0.54	0.044	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Sodium	**210**	**J**	540	1.2	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Vanadium	**9.9**	**B**	5.4	0.19	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1
Zinc	**42**	**B**	2.2	0.11	mg/Kg	☼	08/21/14 13:02	08/27/14 14:19	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**	**J**	0.036	0.012	mg/Kg	☼	08/27/14 09:11	08/27/14 12:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.7**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**90**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/22/14 07:00	08/22/14 10:00	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B84-0.17-2 (1) Lab Sample ID: 180-35818-19

Date Collected: 08/14/14 09:48 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.4**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Benzene	ND		5.0	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Bromoform	ND		5.0	0.44	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Bromomethane	ND		5.0	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
2-Butanone (MEK)	ND		5.0	0.87	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Carbon disulfide	ND		5.0	0.51	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Carbon tetrachloride	ND		5.0	0.44	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Chlorobenzene	ND		5.0	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Chlorobromomethane	ND		5.0	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Chlorodibromomethane	ND		5.0	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Chloroethane	ND		5.0	1.5	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Chloroform	ND		5.0	0.58	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Chloromethane	ND		5.0	0.84	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
cis-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Cyclohexane	ND		5.0	0.37	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.74	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
1,2-Dichlorobenzene	ND		5.0	0.79	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
1,3-Dichlorobenzene	ND		5.0	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
1,4-Dichlorobenzene	ND		5.0	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Dichlorodifluoromethane	ND		5.0	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
1,1-Dichloroethane	ND		5.0	0.57	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
1,1-Dichloroethene	ND		5.0	0.84	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
1,4-Dioxane	ND		990	270	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Ethylbenzene	ND		5.0	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
2-Hexanone	ND		5.0	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Isopropylbenzene	ND		5.0	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Methyl acetate	ND		5.0	0.89	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Methylcyclohexane	ND		5.0	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Methylene Chloride	ND		5.0	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Methyl tert-butyl ether	ND		5.0	0.74	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
m-Xylene & p-Xylene	ND		9.9	1.5	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
o-Xylene	ND		5.0	0.77	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Styrene	ND		5.0	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Toluene	ND		5.0	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
trans-1,3-Dichloropropene	ND		5.0	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
1,2,4-Trichlorobenzene	ND		5.0	0.87	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
1,1,1-Trichloroethane	ND		5.0	0.48	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
1,1,2-Trichloroethane	ND		5.0	0.82	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Trichloroethene	ND		5.0	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B84-0.17-2 (1)

Date Collected: 08/14/14 09:48
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-19
Matrix: Solid
Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		5.0	0.91	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1
Vinyl chloride	ND		5.0	0.47	ug/Kg	☼	08/20/14 03:43	08/20/14 08:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 08:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*63 - 120*	*08/20/14 03:43*	*08/20/14 08:31*	*1*
Dibromofluoromethane (Surr)	*101*		*68 - 121*	*08/20/14 03:43*	*08/20/14 08:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*52 - 124*	*08/20/14 03:43*	*08/20/14 08:31*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/20/14 03:43*	*08/20/14 08:31*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**54**	**J**	74	7.1	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Acenaphthylene	**540**		74	8.5	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Acetophenone	ND		370	30	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Anthracene	**370**		74	7.2	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Atrazine	ND		370	36	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Benzaldehyde	ND		370	55	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Benzo[a]anthracene	**570**		74	9.3	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Benzo[a]pyrene	**650**		74	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Benzo[b]fluoranthene	**900**		74	12	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Benzo[g,h,i]perylene	**810**		74	7.3	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Benzo[k]fluoranthene	**310**		74	15	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Bis(2-chloroethoxy)methane	ND		370	24	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Bis(2-ethylhexyl) phthalate	ND		740	60	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Butyl benzyl phthalate	ND		370	50	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Carbazole	**60**	**J**	74	6.8	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
2-Chlorophenol	ND		370	30	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Chrysene	**640**		74	8.8	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Dibenz(a,h)anthracene	**200**		74	8.2	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Dibenzofuran	**42**	**J**	370	36	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Diethyl phthalate	ND		370	40	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Dimethyl phthalate	ND		370	40	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Di-n-butyl phthalate	ND		370	46	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1

Client Sample Results

Client Sample ID: SSHS-B84-0.17-2 (1)
Date Collected: 08/14/14 09:48
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-19
Matrix: Solid
Percent Solids: 90.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Fluoranthene	**770**		74	7.9	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Fluorene	**83**		74	9.7	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Hexachlorobenzene	ND		74	7.9	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Hexachlorobutadiene	ND		74	8.3	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Indeno[1,2,3-cd]pyrene	**640**		74	7.6	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Isophorone	ND		370	28	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
2-Methylnaphthalene	**76**		74	6.6	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Methylphenol, 3 & 4	ND		370	36	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Naphthalene	**100**		74	6.4	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
N-Nitrosodi-n-propylamine	ND		74	8.7	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
N-Nitrosodiphenylamine	ND		370	34	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
2,2'-oxybis[1-chloropropane]	ND		74	8.0	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Phenanthrene	**360**		74	12	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Phenol	ND		74	8.7	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
Pyrene	**740**		74	7.5	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
2,4,5-Trichlorophenol	ND		370	39	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1
2,4,6-Trichlorophenol	ND		370	55	ug/Kg	☼	08/26/14 18:45	08/27/14 21:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*290*	*T J*	*ug/Kg*	☼	*11.21*		*08/26/14 18:45*	*08/27/14 21:52*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*15.03*		*08/26/14 18:45*	*08/27/14 21:52*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*16.54*		*08/26/14 18:45*	*08/27/14 21:52*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*16.91*		*08/26/14 18:45*	*08/27/14 21:52*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*17.19*		*08/26/14 18:45*	*08/27/14 21:52*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*19.18*		*08/26/14 18:45*	*08/27/14 21:52*	*1*
Unknown	*310*	*T J*	*ug/Kg*	☼	*20.03*		*08/26/14 18:45*	*08/27/14 21:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*08/26/14 18:45*	*08/27/14 21:52*	*1*
2-Fluorophenol (Surr)	*70*		*39 - 103*	*08/26/14 18:45*	*08/27/14 21:52*	*1*
Nitrobenzene-d5 (Surr)	*72*		*25 - 104*	*08/26/14 18:45*	*08/27/14 21:52*	*1*
Phenol-d5 (Surr)	*69*		*25 - 105*	*08/26/14 18:45*	*08/27/14 21:52*	*1*
Terphenyl-d14 (Surr)	*65*		*25 - 127*	*08/26/14 18:45*	*08/27/14 21:52*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*35 - 124*	*08/26/14 18:45*	*08/27/14 21:52*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B84-0.17-2 (1)

Date Collected: 08/14/14 09:48
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-19
Matrix: Solid
Percent Solids: 90.4

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
4,4'-DDD	**1.4**	**J**	1.9	0.24	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
4,4'-DDT	**1.4**	**J p**	1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
Endrin	**2.0**		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
gamma-BHC (Lindane)	**0.69**	**J**	1.9	0.32	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
gamma-Chlordane	**0.58**	**J p**	1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
Methoxychlor	ND		3.7	0.38	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1
Toxaphene	ND		74	12	ug/Kg	☼	08/26/14 20:50	08/27/14 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/26/14 20:50*	*08/27/14 22:10*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/26/14 20:50*	*08/27/14 22:10*	*1*
Tetrachloro-m-xylene	*82*		*45 - 130*	*08/26/14 20:50*	*08/27/14 22:10*	*1*
Tetrachloro-m-xylene	*79*		*45 - 130*	*08/26/14 20:50*	*08/27/14 22:10*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 02:23	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/26/14 20:50	08/28/14 02:23	1
PCB-1232	ND		18	3.2	ug/Kg	☼	08/26/14 20:50	08/28/14 02:23	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/26/14 20:50	08/28/14 02:23	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/26/14 20:50	08/28/14 02:23	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 02:23	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 02:23	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/26/14 20:50	08/28/14 02:23	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/26/14 20:50	08/28/14 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/26/14 20:50*	*08/28/14 02:23*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 125*	*08/26/14 20:50*	*08/28/14 02:55*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*45 - 135*	*08/26/14 20:50*	*08/28/14 02:23*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*	*08/26/14 20:50*	*08/28/14 02:55*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8600**		21	2.2	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Antimony	**0.23**	**J**	1.0	0.21	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1

Client Sample ID: SSHS-B84-0.17-2 (1)

Lab Sample ID: 180-35818-19

Date Collected: 08/14/14 09:48
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.3**		1.0	0.32	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Barium	**80**		21	0.013	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Beryllium	**0.41**		0.41	0.012	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Cadmium	**0.041**	**J B**	0.52	0.015	mg/Kg	☼	08/21/14 13:03	08/29/14 10:18	1
Calcium	**5100**		520	1.6	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Chromium	**11**		0.52	0.080	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Cobalt	**7.6**		5.2	0.043	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Copper	**47**		2.6	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Iron	**19000**		10	0.92	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Lead	**27**		1.0	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Magnesium	**3400**		520	2.1	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Manganese	**450**		1.6	0.092	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Nickel	**18**		4.1	0.049	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Potassium	**600**		520	6.6	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Selenium	ND		1.0	0.28	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Sodium	**370**	**J**	520	1.1	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Vanadium	**14**		5.2	0.18	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1
Zinc	**59**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 12:17	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.046**		0.036	0.012	mg/Kg	☼	08/27/14 09:11	08/27/14 12:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.6**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**90**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	ND		0.53	0.16	mg/Kg	☼	08/22/14 07:00	08/22/14 10:00	1

Client Sample ID: SSHS-B84-2-6 (4)

Lab Sample ID: 180-35818-20

Date Collected: 08/14/14 10:14
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 87.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.8	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Benzene	ND		4.8	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Bromoform	ND		4.8	0.42	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Bromomethane	ND		4.8	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
2-Butanone (MEK)	ND		4.8	0.84	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Carbon disulfide	ND		4.8	0.49	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Carbon tetrachloride	ND		4.8	0.43	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Chlorobenzene	ND		4.8	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Chlorobromomethane	ND		4.8	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Chlorodibromomethane	ND		4.8	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Chloroethane	ND		4.8	1.5	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Chloroform	ND		4.8	0.56	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Chloromethane	ND		4.8	0.82	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B84-2-6 (4) **Lab Sample ID: 180-35818-20**
Date Collected: 08/14/14 10:14 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 87.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		4.8	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
cis-1,3-Dichloropropene	ND		4.8	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Cyclohexane	ND		4.8	0.36	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
1,2-Dibromo-3-Chloropropane	ND		4.8	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
1,2-Dibromoethane	ND		4.8	0.83	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
1,2-Dichlorobenzene	ND		4.8	0.76	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
1,3-Dichlorobenzene	ND		4.8	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
1,4-Dichlorobenzene	ND		4.8	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Dichlorobromomethane	ND		4.8	0.54	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Dichlorodifluoromethane	ND		4.8	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
1,1-Dichloroethane	ND		4.8	0.55	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
1,2-Dichloroethane	ND		4.8	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
1,1-Dichloroethene	ND		4.8	0.81	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
1,2-Dichloropropane	ND		4.8	0.52	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
1,4-Dioxane	ND		960	260	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Ethylbenzene	ND		4.8	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
2-Hexanone	ND		4.8	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Isopropylbenzene	ND		4.8	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Methyl acetate	ND		4.8	0.86	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Methylcyclohexane	ND		4.8	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Methylene Chloride	ND		4.8	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
4-Methyl-2-pentanone (MIBK)	ND		4.8	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Methyl tert-butyl ether	ND		4.8	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
m-Xylene & p-Xylene	ND		9.6	1.4	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
o-Xylene	ND		4.8	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Styrene	ND		4.8	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
1,1,2,2-Tetrachloroethane	ND		4.8	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Tetrachloroethene	ND		4.8	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Toluene	ND		4.8	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
trans-1,2-Dichloroethene	ND		4.8	0.57	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
trans-1,3-Dichloropropene	ND		4.8	0.57	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
1,2,3-Trichlorobenzene	ND		4.8	0.81	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
1,2,4-Trichlorobenzene	ND		4.8	0.85	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
1,1,1-Trichloroethane	ND		4.8	0.47	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
1,1,2-Trichloroethane	ND		4.8	0.80	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Trichloroethene	ND		4.8	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Trichlorofluoromethane	ND		4.8	0.88	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1
Vinyl chloride	ND		4.8	0.45	ug/Kg	☼	08/20/14 03:43	08/20/14 08:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 08:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/20/14 03:43*	*08/20/14 08:53*	*1*
Dibromofluoromethane (Surr)	*102*		*68 - 121*	*08/20/14 03:43*	*08/20/14 08:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*52 - 124*	*08/20/14 03:43*	*08/20/14 08:53*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*08/20/14 03:43*	*08/20/14 08:53*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.	TestAmerica Job ID: 180-35818-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B84-2-6 (4) **Lab Sample ID: 180-35818-20**
Date Collected: 08/14/14 10:14 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 87.9**

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	7.3	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Acenaphthylene	ND		76	8.7	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Acetophenone	ND		380	31	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Anthracene	ND		76	7.4	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Atrazine	ND		380	37	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Benzaldehyde	ND		380	57	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Benzo[a]anthracene	ND		76	9.5	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Benzo[a]pyrene	ND		76	7.6	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Benzo[b]fluoranthene	ND		76	12	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Benzo[g,h,i]perylene	ND		76	7.5	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Benzo[k]fluoranthene	ND		76	15	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
1,1'-Biphenyl	ND		380	34	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Bis(2-chloroethoxy)methane	ND		380	25	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Bis(2-chloroethyl)ether	ND		76	10	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Bis(2-ethylhexyl) phthalate	ND		760	61	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
4-Bromophenyl phenyl ether	ND		380	33	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Butyl benzyl phthalate	ND		380	52	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Caprolactam	ND		1900	290	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Carbazole	ND		76	7.0	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
4-Chloroaniline	ND		380	30	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
4-Chloro-3-methylphenol	ND		380	35	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
2-Chloronaphthalene	ND		76	7.9	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
2-Chlorophenol	ND		380	31	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
4-Chlorophenyl phenyl ether	ND		380	42	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Chrysene	ND		76	9.0	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Dibenz(a,h)anthracene	ND		76	8.4	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Dibenzofuran	ND		380	37	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
3,3'-Dichlorobenzidine	ND		380	40	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
2,4-Dichlorophenol	ND		76	7.6	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Diethyl phthalate	ND		380	41	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
2,4-Dimethylphenol	ND		380	59	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Dimethyl phthalate	ND		380	41	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Di-n-butyl phthalate	ND		380	48	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
2,6-Dinitrotoluene	ND		380	39	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Di-n-octyl phthalate	ND		380	40	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
1,4-Dioxane	ND		760	44	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Fluoranthene	**17**	**J**	76	8.1	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Fluorene	ND		76	10	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Hexachlorobenzene	ND		76	8.1	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Hexachlorobutadiene	ND		76	8.5	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Hexachlorocyclopentadiene	ND		380	41	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Hexachloroethane	ND		380	27	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Indeno[1,2,3-cd]pyrene	ND		76	7.8	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Isophorone	ND		380	29	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
2-Methylnaphthalene	ND		76	6.8	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1

Client Sample Results

Client Sample ID: SSHS-B84-2-6 (4)
Lab Sample ID: 180-35818-20
Date Collected: 08/14/14 10:14
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 87.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		380	37	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Naphthalene	ND		76	6.5	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
3-Nitroaniline	ND		1900	160	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Nitrobenzene	ND		760	32	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
2-Nitrophenol	ND		380	42	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
N-Nitrosodi-n-propylamine	ND		76	8.9	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
N-Nitrosodiphenylamine	ND		380	35	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
2,2'-oxybis[1-chloropropane]	ND		76	8.2	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Pentachlorophenol	ND		380	34	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Phenanthrene	**12**	**J**	76	12	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Phenol	ND		76	9.0	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
Pyrene	**16**	**J**	76	7.7	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
2,3,4,6-Tetrachlorophenol	ND		380	24	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
2,4,5-Trichlorophenol	ND		380	40	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1
2,4,6-Trichlorophenol	ND		380	57	ug/Kg	☼	08/26/14 18:45	08/28/14 12:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*260*	*T J*	*ug/Kg*	☼	*12.78*		*08/26/14 18:45*	*08/28/14 12:24*	*1*
Unknown	*470*	*T J*	*ug/Kg*	☼	*13.12*		*08/26/14 18:45*	*08/28/14 12:24*	*1*
Unknown	*440*	*T J*	*ug/Kg*	☼	*16.43*		*08/26/14 18:45*	*08/28/14 12:24*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*19.01*		*08/26/14 18:45*	*08/28/14 12:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 105*	*08/26/14 18:45*	*08/28/14 12:24*	*1*
2-Fluorophenol (Surr)	*61*		*39 - 103*	*08/26/14 18:45*	*08/28/14 12:24*	*1*
Nitrobenzene-d5 (Surr)	*64*		*25 - 104*	*08/26/14 18:45*	*08/28/14 12:24*	*1*
Phenol-d5 (Surr)	*64*		*25 - 105*	*08/26/14 18:45*	*08/28/14 12:24*	*1*
Terphenyl-d14 (Surr)	*61*		*25 - 127*	*08/26/14 18:45*	*08/28/14 12:24*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*35 - 124*	*08/26/14 18:45*	*08/28/14 12:24*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.34	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
alpha-BHC	ND		1.9	0.31	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
alpha-Chlordane	ND		1.9	0.38	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
beta-BHC	ND		1.9	0.49	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
4,4'-DDD	ND		1.9	0.25	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
4,4'-DDE	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
Dieldrin	ND		1.9	0.32	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
Endosulfan I	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
Endosulfan sulfate	ND		1.9	0.20	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
Endrin	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
Endrin aldehyde	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1

Client Sample Results

Client Sample ID: SSHS-B84-2-6 (4)

Lab Sample ID: 180-35818-20

Date Collected: 08/14/14 10:14
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 87.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
gamma-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
Heptachlor epoxide	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
Methoxychlor	ND		3.8	0.40	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1
Toxaphene	ND		76	13	ug/Kg	☼	08/26/14 20:50	08/27/14 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/26/14 20:50*	*08/27/14 22:25*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/26/14 20:50*	*08/27/14 22:25*	*1*
Tetrachloro-m-xylene	*94*		*45 - 130*	*08/26/14 20:50*	*08/27/14 22:25*	*1*
Tetrachloro-m-xylene	*88*		*45 - 130*	*08/26/14 20:50*	*08/27/14 22:25*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/26/14 20:50	08/28/14 02:55	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/26/14 20:50	08/28/14 02:55	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/26/14 20:50	08/28/14 02:55	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/26/14 20:50	08/28/14 02:55	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/26/14 20:50	08/28/14 02:55	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 02:55	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 02:55	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/26/14 20:50	08/28/14 02:55	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/26/14 20:50	08/28/14 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 125*	*08/26/14 20:50*	*08/28/14 02:55*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 125*	*08/26/14 20:50*	*08/28/14 03:26*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*	*08/26/14 20:50*	*08/28/14 02:55*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*45 - 135*	*08/26/14 20:50*	*08/28/14 03:26*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7200**		21	2.2	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Antimony	**0.32**	**J**	1.0	0.21	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Arsenic	**6.1**		1.0	0.32	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Barium	**47**		21	0.013	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Beryllium	**0.31**	**J**	0.42	0.012	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Cadmium	ND		0.52	0.015	mg/Kg	☼	08/21/14 13:03	08/29/14 10:44	1
Calcium	**1700**		520	1.6	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Chromium	**8.8**		0.52	0.081	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Cobalt	**5.9**		5.2	0.044	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Copper	**31**		2.6	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Iron	**24000**		10	0.93	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Lead	**14**		1.0	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Magnesium	**1500**		520	2.2	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Manganese	**460**		1.6	0.093	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Nickel	**12**		4.2	0.050	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Potassium	**400**	**J**	520	6.7	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1

Client Sample ID: SSHS-B84-2-6 (4)

Lab Sample ID: 180-35818-20

Date Collected: 08/14/14 10:14

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 87.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	**0.49**	**J B**	1.0	0.28	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Sodium	**230**	**J**	520	1.1	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Vanadium	**12**		5.2	0.18	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1
Zinc	**39**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 12:43	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.023**	**J**	0.037	0.012	mg/Kg	☼	08/27/14 09:11	08/27/14 12:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**88**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	**0.64**		0.56	0.16	mg/Kg	☼	08/22/14 07:00	08/22/14 10:00	1

Client Sample ID: SSHS-B84-6-10 (8)

Lab Sample ID: 180-35818-21

Date Collected: 08/14/14 10:20

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 93.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.2	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Benzene	ND		4.2	0.57	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Bromoform	ND		4.2	0.37	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Bromomethane	ND		4.2	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
2-Butanone (MEK)	ND		4.2	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Carbon disulfide	ND		4.2	0.43	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Carbon tetrachloride	ND		4.2	0.38	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Chlorobenzene	ND		4.2	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Chlorobromomethane	ND		4.2	0.58	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Chlorodibromomethane	ND		4.2	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Chloroethane	ND		4.2	1.3	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Chloroform	ND		4.2	0.49	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Chloromethane	ND		4.2	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
cis-1,2-Dichloroethene	ND		4.2	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
cis-1,3-Dichloropropene	ND		4.2	0.57	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Cyclohexane	ND		4.2	0.31	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
1,2-Dibromo-3-Chloropropane	ND		4.2	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
1,2-Dibromoethane	ND		4.2	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
1,2-Dichlorobenzene	ND		4.2	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
1,3-Dichlorobenzene	ND		4.2	0.55	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
1,4-Dichlorobenzene	ND		4.2	0.54	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Dichlorobromomethane	ND		4.2	0.47	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Dichlorodifluoromethane	ND		4.2	0.56	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
1,1-Dichloroethane	ND		4.2	0.49	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
1,2-Dichloroethane	ND		4.2	0.52	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
1,1-Dichloroethene	ND		4.2	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
1,2-Dichloropropane	ND		4.2	0.46	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1

Client Sample Results

Client Sample ID: SSHS-B84-6-10 (8)
Date Collected: 08/14/14 10:20
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-21
Matrix: Solid
Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		850	230	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Ethylbenzene	ND		4.2	0.54	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
2-Hexanone	ND		4.2	0.58	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Isopropylbenzene	ND		4.2	0.57	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Methyl acetate	ND		4.2	0.76	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Methylcyclohexane	ND		4.2	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Methylene Chloride	ND		4.2	0.57	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.55	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Methyl tert-butyl ether	ND		4.2	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
m-Xylene & p-Xylene	ND		8.5	1.2	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
o-Xylene	ND		4.2	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Styrene	ND		4.2	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Tetrachloroethene	ND		4.2	0.58	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Toluene	ND		4.2	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
trans-1,2-Dichloroethene	ND		4.2	0.50	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
trans-1,3-Dichloropropene	ND		4.2	0.51	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
1,2,3-Trichlorobenzene	ND		4.2	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
1,2,4-Trichlorobenzene	ND		4.2	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
1,1,1-Trichloroethane	ND		4.2	0.41	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
1,1,2-Trichloroethane	ND		4.2	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Trichloroethene	ND		4.2	0.56	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Trichlorofluoromethane	ND		4.2	0.78	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.90	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1
Vinyl chloride	ND		4.2	0.40	ug/Kg	☼	08/20/14 03:43	08/20/14 09:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 09:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 120*	*08/20/14 03:43*	*08/20/14 09:16*	*1*
Dibromofluoromethane (Surr)	*102*		*68 - 121*	*08/20/14 03:43*	*08/20/14 09:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*52 - 124*	*08/20/14 03:43*	*08/20/14 09:16*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/20/14 03:43*	*08/20/14 09:16*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	6.9	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Acenaphthylene	ND		72	8.2	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Acetophenone	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Anthracene	ND		72	7.0	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Atrazine	ND		350	35	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Benzaldehyde	ND	*	350	54	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Benzo[a]anthracene	ND		72	9.0	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Benzo[a]pyrene	ND		72	7.2	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Benzo[b]fluoranthene	ND		72	11	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Benzo[g,h,i]perylene	ND		72	7.1	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Benzo[k]fluoranthene	ND		72	14	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Bis(2-chloroethoxy)methane	ND		350	24	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B84-6-10 (8) **Lab Sample ID: 180-35818-21**
Date Collected: 08/14/14 10:20 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 93.0**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		72	9.6	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Butyl benzyl phthalate	ND		350	49	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Carbazole	ND		72	6.6	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
4-Chloroaniline	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
2-Chloronaphthalene	ND		72	7.5	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
4-Chlorophenyl phenyl ether	ND		350	40	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Chrysene	ND		72	8.5	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Dibenz(a,h)anthracene	ND		72	8.0	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
3,3'-Dichlorobenzidine	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
2,4-Dimethylphenol	ND		350	56	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Di-n-butyl phthalate	ND		350	45	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Di-n-octyl phthalate	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Fluoranthene	ND		72	7.7	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Fluorene	ND		72	9.5	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Hexachlorobenzene	ND		72	7.6	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Hexachlorocyclopentadiene	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Hexachloroethane	ND		350	26	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Indeno[1,2,3-cd]pyrene	ND		72	7.4	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Isophorone	ND		350	27	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
2-Methylnaphthalene	ND		72	6.4	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Naphthalene	ND		72	6.2	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
4-Nitroaniline	ND		1800	150	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
2-Nitrophenol	ND		350	40	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
2,2'-oxybis[1-chloropropane]	ND		72	7.7	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Phenanthrene	ND		72	11	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1

Client Sample Results

Client Sample ID: SSHS-B84-6-10 (8)

Lab Sample ID: 180-35818-21

Date Collected: 08/14/14 10:20
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		72	8.5	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
Pyrene	ND		72	7.2	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1
2,4,6-Trichlorophenol	ND		350	54	ug/Kg	☼	08/26/14 19:45	08/28/14 00:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*230*	*T J*	*ug/Kg*	☼	*12.79*		*08/26/14 19:45*	*08/28/14 00:43*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*18.60*		*08/26/14 19:45*	*08/28/14 00:43*	*1*
Unknown	*870*	*T J*	*ug/Kg*	☼	*18.69*		*08/26/14 19:45*	*08/28/14 00:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*35 - 105*	*08/26/14 19:45*	*08/28/14 00:43*	*1*
2-Fluorophenol (Surr)	*83*		*39 - 103*	*08/26/14 19:45*	*08/28/14 00:43*	*1*
Nitrobenzene-d5 (Surr)	*100*		*25 - 104*	*08/26/14 19:45*	*08/28/14 00:43*	*1*
Phenol-d5 (Surr)	*95*		*25 - 105*	*08/26/14 19:45*	*08/28/14 00:43*	*1*
Terphenyl-d14 (Surr)	*76*		*25 - 127*	*08/26/14 19:45*	*08/28/14 00:43*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*35 - 124*	*08/26/14 19:45*	*08/28/14 00:43*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
Endosulfan sulfate	**0.31**	**J**	1.8	0.18	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1
Toxaphene	ND		71	12	ug/Kg	☼	08/26/14 20:50	08/27/14 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*08/26/14 20:50*	*08/27/14 22:41*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/26/14 20:50*	*08/27/14 22:41*	*1*
Tetrachloro-m-xylene	*92*		*45 - 130*	*08/26/14 20:50*	*08/27/14 22:41*	*1*
Tetrachloro-m-xylene	*89*		*45 - 130*	*08/26/14 20:50*	*08/27/14 22:41*	*1*

Client Sample ID: SSHS-B84-6-10 (8)

Lab Sample ID: 180-35818-21

Date Collected: 08/14/14 10:20
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 03:26	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/26/14 20:50	08/28/14 03:26	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/26/14 20:50	08/28/14 03:26	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/26/14 20:50	08/28/14 03:26	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/26/14 20:50	08/28/14 03:26	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/26/14 20:50	08/28/14 03:26	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/26/14 20:50	08/28/14 03:26	1
PCB-1262	ND		18	3.8	ug/Kg	☼	08/26/14 20:50	08/28/14 03:26	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/26/14 20:50	08/28/14 03:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*	*08/26/14 20:50*	*08/28/14 03:26*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/26/14 20:50*	*08/28/14 03:58*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*45 - 135*	*08/26/14 20:50*	*08/28/14 03:26*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*45 - 135*	*08/26/14 20:50*	*08/28/14 03:58*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5800**		21	2.2	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Antimony	**0.30**	**J**	1.1	0.21	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Arsenic	**7.3**		1.1	0.33	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Barium	**37**		21	0.014	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Beryllium	**0.25**	**J**	0.43	0.012	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Cadmium	ND		0.54	0.015	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Calcium	**28000**		540	1.6	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Chromium	**8.0**		0.54	0.083	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Cobalt	**5.9**		5.4	0.045	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Copper	**19**		2.7	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Iron	**15000**		11	0.95	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Lead	**11**		1.1	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Magnesium	**13000**		540	2.2	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Manganese	**450**		1.6	0.096	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Nickel	**14**		4.3	0.051	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Potassium	**610**		540	6.9	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Selenium	ND		1.1	0.29	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Silver	ND		0.54	0.043	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Sodium	**130**	**J**	540	1.1	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Thallium	ND		2.1	0.16	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Vanadium	**11**		5.4	0.19	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1
Zinc	**72**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 12:48	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.012	mg/Kg	☼	08/27/14 09:12	08/27/14 12:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.0**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**93**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	ND		0.55	0.16	mg/Kg	☼	08/22/14 07:00	08/22/14 10:00	1

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

Client Sample ID: SSHS-B84-10-14 (12)
Lab Sample ID: 180-35818-22
Date Collected: 08/14/14 10:30
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 92.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.6	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Benzene	ND		4.6	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Bromoform	ND		4.6	0.41	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Bromomethane	ND		4.6	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
2-Butanone (MEK)	ND		4.6	0.81	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Carbon disulfide	ND		4.6	0.47	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Carbon tetrachloride	ND		4.6	0.41	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Chlorobenzene	ND		4.6	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Chlorobromomethane	ND		4.6	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Chlorodibromomethane	ND		4.6	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Chloroethane	ND		4.6	1.4	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Chloroform	ND		4.6	0.54	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Chloromethane	ND		4.6	0.78	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
cis-1,2-Dichloroethene	ND		4.6	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
cis-1,3-Dichloropropene	ND		4.6	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Cyclohexane	ND		4.6	0.34	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
1,2-Dibromo-3-Chloropropane	ND		4.6	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
1,2-Dibromoethane	ND		4.6	0.79	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
1,2-Dichlorobenzene	ND		4.6	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
1,3-Dichlorobenzene	ND		4.6	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
1,4-Dichlorobenzene	ND		4.6	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Dichlorobromomethane	ND		4.6	0.52	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Dichlorodifluoromethane	ND		4.6	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
1,1-Dichloroethane	ND		4.6	0.53	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
1,2-Dichloroethane	ND		4.6	0.56	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
1,1-Dichloroethene	ND		4.6	0.78	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
1,2-Dichloropropane	ND		4.6	0.50	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
1,4-Dioxane	ND		920	250	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Ethylbenzene	ND		4.6	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
2-Hexanone	ND		4.6	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Isopropylbenzene	ND		4.6	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Methyl acetate	ND		4.6	0.83	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Methylcyclohexane	ND		4.6	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Methylene Chloride	ND		4.6	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Methyl tert-butyl ether	ND		4.6	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
m-Xylene & p-Xylene	ND		9.2	1.4	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
o-Xylene	ND		4.6	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Styrene	ND		4.6	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Tetrachloroethene	ND		4.6	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Toluene	ND		4.6	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
trans-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
trans-1,3-Dichloropropene	ND		4.6	0.55	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
1,2,3-Trichlorobenzene	ND		4.6	0.78	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
1,2,4-Trichlorobenzene	ND		4.6	0.81	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
1,1,1-Trichloroethane	ND		4.6	0.45	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
1,1,2-Trichloroethane	ND		4.6	0.77	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Trichloroethene	ND		4.6	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B84-10-14 (12)

Date Collected: 08/14/14 10:30
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-22
Matrix: Solid
Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.6	0.85	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	0.98	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1
Vinyl chloride	ND		4.6	0.43	ug/Kg	☼	08/20/14 03:43	08/20/14 09:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 09:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*	*08/20/14 03:43*	*08/20/14 09:38*	*1*
Dibromofluoromethane (Surr)	*100*		*68 - 121*	*08/20/14 03:43*	*08/20/14 09:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*52 - 124*	*08/20/14 03:43*	*08/20/14 09:38*	*1*
Toluene-d8 (Surr)	*99*		*72 - 127*	*08/20/14 03:43*	*08/20/14 09:38*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	6.8	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Acenaphthylene	ND		71	8.1	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Acetophenone	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Anthracene	ND		71	6.9	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Atrazine	ND		350	35	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Benzaldehyde	ND	*	350	53	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Benzo[a]anthracene	ND		71	8.9	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Benzo[a]pyrene	ND		71	7.1	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Benzo[b]fluoranthene	ND		71	11	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Benzo[g,h,i]perylene	ND		71	7.1	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Benzo[k]fluoranthene	ND		71	14	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Bis(2-chloroethyl)ether	ND		71	9.5	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Bis(2-ethylhexyl) phthalate	ND		710	57	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Carbazole	ND		71	6.5	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
2-Chloronaphthalene	ND		71	7.4	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Chrysene	ND		71	8.4	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Dibenz(a,h)anthracene	ND		71	7.9	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
3,3'-Dichlorobenzidine	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
2,4-Dichlorophenol	ND		71	7.1	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1

Client Sample Results

Client Sample ID: SSHS-B84-10-14 (12)

Lab Sample ID: 180-35818-22

Date Collected: 08/14/14 10:30
Date Received: 08/15/14 09:10
Matrix: Solid
Percent Solids: 92.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
1,4-Dioxane	ND		710	41	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Fluoranthene	ND		71	7.6	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Fluorene	ND		71	9.4	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Hexachlorobenzene	ND		71	7.6	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Hexachlorobutadiene	ND		71	7.9	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Hexachloroethane	ND		350	26	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Indeno[1,2,3-cd]pyrene	ND		71	7.3	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Isophorone	ND		350	27	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
2-Methylnaphthalene	ND		71	6.4	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Naphthalene	ND		71	6.1	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Nitrobenzene	ND		710	30	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
N-Nitrosodi-n-propylamine	ND		71	8.3	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
2,2'-oxybis[1-chloropropane]	ND		71	7.7	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Phenanthrene	ND		71	11	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Phenol	ND		71	8.4	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
Pyrene	ND		71	7.2	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/26/14 19:45	08/29/14 08:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*290*	*T J*	*ug/Kg*	☼	*12.79*		*08/26/14 19:45*	*08/29/14 08:26*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*18.60*		*08/26/14 19:45*	*08/29/14 08:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*08/26/14 19:45*	*08/29/14 08:26*	*1*
2-Fluorophenol (Surr)	*74*		*39 - 103*	*08/26/14 19:45*	*08/29/14 08:26*	*1*
Nitrobenzene-d5 (Surr)	*88*		*25 - 104*	*08/26/14 19:45*	*08/29/14 08:26*	*1*
Phenol-d5 (Surr)	*79*		*25 - 105*	*08/26/14 19:45*	*08/29/14 08:26*	*1*
Terphenyl-d14 (Surr)	*74*		*25 - 127*	*08/26/14 19:45*	*08/29/14 08:26*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*35 - 124*	*08/26/14 19:45*	*08/29/14 08:26*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1

Client Sample ID: SSHS-B84-10-14 (12)

Date Collected: 08/14/14 10:30
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-22

Matrix: Solid
Percent Solids: 92.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
beta-BHC	ND		1.8	0.47	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
4,4'-DDD	ND		1.8	0.24	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
delta-BHC	ND		1.8	0.28	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
gamma-BHC (Lindane)	ND		1.8	0.32	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
Methoxychlor	ND		3.6	0.37	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1
Toxaphene	ND		72	12	ug/Kg	☼	08/26/14 20:50	08/27/14 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/26/14 20:50*	*08/27/14 22:56*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 130*	*08/26/14 20:50*	*08/27/14 22:56*	*1*
Tetrachloro-m-xylene	*91*		*45 - 130*	*08/26/14 20:50*	*08/27/14 22:56*	*1*
Tetrachloro-m-xylene	*88*		*45 - 130*	*08/26/14 20:50*	*08/27/14 22:56*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 03:58	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/26/14 20:50	08/28/14 03:58	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/26/14 20:50	08/28/14 03:58	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/26/14 20:50	08/28/14 03:58	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/26/14 20:50	08/28/14 03:58	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 03:58	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 03:58	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/26/14 20:50	08/28/14 03:58	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/26/14 20:50	08/28/14 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 125*	*08/26/14 20:50*	*08/28/14 03:58*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 125*	*08/26/14 20:50*	*08/28/14 04:29*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*	*08/26/14 20:50*	*08/28/14 03:58*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*	*08/26/14 20:50*	*08/28/14 04:29*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4900**		20	2.1	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Antimony	**0.32**	**J**	0.99	0.20	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Arsenic	**4.9**		0.99	0.30	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Barium	**35**		20	0.013	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1

Client Sample ID: SSHS-B84-10-14 (12)

Lab Sample ID: 180-35818-22
Date Collected: 08/14/14 10:30
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 92.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.23**	**J**	0.40	0.011	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Cadmium	ND		0.49	0.014	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Calcium	**37000**		490	1.5	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Chromium	**6.4**		0.49	0.076	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Cobalt	**4.9**		4.9	0.041	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Copper	**15**		2.5	0.14	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Iron	**12000**		9.9	0.88	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Lead	**6.0**		0.99	0.10	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Magnesium	**11000**		490	2.0	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Manganese	**370**		1.5	0.088	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Nickel	**12**		4.0	0.047	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Potassium	**560**		490	6.3	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Selenium	**0.34**	**J B**	0.99	0.26	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Silver	ND		0.49	0.040	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Sodium	**130**	**J**	490	1.0	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Vanadium	**8.6**		4.9	0.17	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1
Zinc	**42**	**B**	2.0	0.10	mg/Kg	☼	08/21/14 13:03	08/28/14 12:53	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.012	mg/Kg	☼	08/27/14 09:12	08/27/14 12:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.2**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**93**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/27/14 07:00	08/27/14 09:53	1

Client Sample ID: SSHS-B87-0.17-2 (1.5)

Lab Sample ID: 180-35818-23
Date Collected: 08/14/14 10:59
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.5	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Benzene	ND		4.5	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Bromoform	ND		4.5	0.40	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Bromomethane	ND		4.5	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
2-Butanone (MEK)	ND		4.5	0.79	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Carbon disulfide	ND		4.5	0.46	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Carbon tetrachloride	ND		4.5	0.40	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Chlorobenzene	ND		4.5	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Chlorobromomethane	ND		4.5	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Chlorodibromomethane	ND		4.5	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Chloroethane	ND		4.5	1.4	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Chloroform	ND		4.5	0.52	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Chloromethane	ND		4.5	0.76	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
cis-1,2-Dichloroethene	ND		4.5	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
cis-1,3-Dichloropropene	ND		4.5	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1

Client Sample ID: SSHS-B87-0.17-2 (1.5) **Lab Sample ID: 180-35818-23**
Date Collected: 08/14/14 10:59 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		4.5	0.33	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
1,2-Dibromo-3-Chloropropane	ND		4.5	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
1,2-Dibromoethane	ND		4.5	0.77	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
1,2-Dichlorobenzene	ND		4.5	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
1,3-Dichlorobenzene	ND		4.5	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
1,4-Dichlorobenzene	ND		4.5	0.57	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Dichlorobromomethane	ND		4.5	0.50	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Dichlorodifluoromethane	ND		4.5	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
1,1-Dichloroethane	ND		4.5	0.52	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
1,2-Dichloroethane	ND		4.5	0.55	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
1,1-Dichloroethene	ND		4.5	0.76	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
1,2-Dichloropropane	ND		4.5	0.49	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
1,4-Dioxane	ND		900	250	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Ethylbenzene	ND		4.5	0.58	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
2-Hexanone	ND		4.5	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Isopropylbenzene	ND		4.5	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Methyl acetate	ND		4.5	0.81	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Methylcyclohexane	ND		4.5	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Methylene Chloride	ND		4.5	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
4-Methyl-2-pentanone (MIBK)	ND		4.5	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Methyl tert-butyl ether	ND		4.5	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
m-Xylene & p-Xylene	ND		9.0	1.3	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
o-Xylene	ND		4.5	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Styrene	ND		4.5	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
1,1,2,2-Tetrachloroethane	ND		4.5	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Tetrachloroethene	ND		4.5	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Toluene	ND		4.5	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
trans-1,2-Dichloroethene	ND		4.5	0.53	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
1,2,3-Trichlorobenzene	ND		4.5	0.76	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
1,2,4-Trichlorobenzene	ND		4.5	0.79	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
1,1,1-Trichloroethane	ND		4.5	0.44	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
1,1,2-Trichloroethane	ND		4.5	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Trichloroethene	ND		4.5	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Trichlorofluoromethane	ND		4.5	0.82	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	0.96	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1
Vinyl chloride	ND		4.5	0.42	ug/Kg	☼	08/20/14 03:43	08/20/14 10:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 10:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/20/14 03:43*	*08/20/14 10:01*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/20/14 03:43*	*08/20/14 10:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*52 - 124*	*08/20/14 03:43*	*08/20/14 10:01*	*1*
Toluene-d8 (Surr)	*105*		*72 - 127*	*08/20/14 03:43*	*08/20/14 10:01*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	7.1	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1

Client Sample Results

Client Sample ID: SSHS-B87-0.17-2 (1.5)

Lab Sample ID: 180-35818-23

Date Collected: 08/14/14 10:59

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 90.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**120**		74	8.4	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Acetophenone	ND		360	30	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Anthracene	**90**		74	7.2	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Atrazine	ND		360	36	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Benzaldehyde	ND	*	360	55	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Benzo[a]anthracene	**360**		74	9.2	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Benzo[a]pyrene	**310**		74	7.4	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Benzo[b]fluoranthene	**460**		74	12	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Benzo[g,h,i]perylene	**330**		74	7.3	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Benzo[k]fluoranthene	**180**		74	15	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Bis(2-ethylhexyl) phthalate	ND		740	60	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Carbazole	ND		74	6.8	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
4-Chloroaniline	ND		360	30	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Chrysene	**440**		74	8.8	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Dibenz(a,h)anthracene	**91**		74	8.2	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
2,4-Dimethylphenol	ND		360	58	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Fluoranthene	**600**		74	7.9	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Fluorene	ND		74	9.7	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Hexachlorobenzene	ND		74	7.9	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Hexachlorobutadiene	ND		74	8.3	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Hexachlorocyclopentadiene	ND		360	40	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Hexachloroethane	ND		360	27	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Indeno[1,2,3-cd]pyrene	**270**		74	7.6	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Isophorone	ND		360	28	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
2-Methylnaphthalene	**26**	**J**	74	6.6	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1

Client Sample Results

Client Sample ID: SSHS-B87-0.17-2 (1.5)

Lab Sample ID: 180-35818-23

Date Collected: 08/14/14 10:59
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**52**	**J**	74	6.4	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
2-Nitrophenol	ND		360	41	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
N-Nitrosodi-n-propylamine	ND		74	8.7	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
2,2'-oxybis[1-chloropropane]	ND		74	8.0	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Phenanthrene	**270**		74	12	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Phenol	ND		74	8.7	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
Pyrene	**640**		74	7.5	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
2,3,4,6-Tetrachlorophenol	ND		360	24	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/26/14 19:45	08/28/14 01:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*400*	*T J*	*ug/Kg*	☼	*12.80*		*08/26/14 19:45*	*08/28/14 01:40*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*12.85*		*08/26/14 19:45*	*08/28/14 01:40*	*1*
Unknown PAH	*280*	*T J*	*ug/Kg*	☼	*15.92*		*08/26/14 19:45*	*08/28/14 01:40*	*1*
Unknown PAH	*350*	*T J*	*ug/Kg*	☼	*16.50*		*08/26/14 19:45*	*08/28/14 01:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*08/26/14 19:45*	*08/28/14 01:40*	*1*
2-Fluorophenol (Surr)	*72*		*39 - 103*	*08/26/14 19:45*	*08/28/14 01:40*	*1*
Nitrobenzene-d5 (Surr)	*85*		*25 - 104*	*08/26/14 19:45*	*08/28/14 01:40*	*1*
Phenol-d5 (Surr)	*78*		*25 - 105*	*08/26/14 19:45*	*08/28/14 01:40*	*1*
Terphenyl-d14 (Surr)	*74*		*25 - 127*	*08/26/14 19:45*	*08/28/14 01:40*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*35 - 124*	*08/26/14 19:45*	*08/28/14 01:40*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**1.1**	**J p**	1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
4,4'-DDD	**0.40**	**J p**	1.9	0.24	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
4,4'-DDT	**0.51**	**J p**	1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
delta-BHC	**1.2**	**J**	1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
Endosulfan sulfate	**0.44**	**J p**	1.9	0.19	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
Endrin	**3.5**		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1

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

Client Sample ID: SSHS-B87-0.17-2 (1.5)
Lab Sample ID: 180-35818-23
Date Collected: 08/14/14 10:59
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
gamma-Chlordane	**3.7**		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
Heptachlor epoxide	**1.6**	**J p**	1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
Methoxychlor	**2.1**	**J p**	3.6	0.38	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1
Toxaphene	ND		74	12	ug/Kg	☼	08/26/14 20:50	08/27/14 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*08/26/14 20:50*	*08/27/14 23:12*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 130*	*08/26/14 20:50*	*08/27/14 23:12*	*1*
Tetrachloro-m-xylene	*85*		*45 - 130*	*08/26/14 20:50*	*08/27/14 23:12*	*1*
Tetrachloro-m-xylene	*79*		*45 - 130*	*08/26/14 20:50*	*08/27/14 23:12*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 04:29	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/26/14 20:50	08/28/14 04:29	1
PCB-1232	ND		18	3.2	ug/Kg	☼	08/26/14 20:50	08/28/14 04:29	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/26/14 20:50	08/28/14 04:29	1
PCB-1248	**150**		18	1.7	ug/Kg	☼	08/26/14 20:50	08/28/14 05:01	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 04:29	1
PCB-1260	**35**		18	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 04:29	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/26/14 20:50	08/28/14 04:29	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/26/14 20:50	08/28/14 04:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 125*	*08/26/14 20:50*	*08/28/14 04:29*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 125*	*08/26/14 20:50*	*08/28/14 05:01*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*	*08/26/14 20:50*	*08/28/14 04:29*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*	*08/26/14 20:50*	*08/28/14 05:01*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7800**		20	2.1	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Antimony	**0.36**	**J**	1.0	0.20	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Arsenic	**5.6**		1.0	0.31	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Barium	**59**		20	0.013	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Beryllium	**0.33**	**J**	0.41	0.011	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Cadmium	**0.039**	**J B**	0.51	0.015	mg/Kg	☼	08/21/14 13:03	08/29/14 10:50	1
Calcium	**13000**		510	1.5	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Chromium	**9.5**		0.51	0.079	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Cobalt	**5.6**		5.1	0.043	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Copper	**55**		2.6	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Iron	**16000**		10	0.91	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Lead	**31**		1.0	0.10	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Magnesium	**3400**		510	2.1	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Manganese	**350**		1.5	0.091	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Nickel	**18**		4.1	0.049	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Potassium	**490**	**J**	510	6.5	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Selenium	**0.47**	**J B**	1.0	0.27	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1

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

Client Sample ID: SSHS-B87-0.17-2 (1.5)

Lab Sample ID: 180-35818-23

Date Collected: 08/14/14 10:59

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 90.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.51	0.041	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Sodium	**220**	**J**	510	1.1	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Vanadium	**13**		5.1	0.18	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1
Zinc	**55**	**B**	2.0	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 13:10	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.035**	**J**	0.036	0.012	mg/Kg	☼	08/27/14 09:12	08/27/14 12:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.6**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**90**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	**0.21**	**J**	0.54	0.16	mg/Kg	☼	08/27/14 07:00	08/27/14 09:53	1

Client Sample ID: SSHS-B87-2-6 (5)

Lab Sample ID: 180-35818-24

Date Collected: 08/14/14 11:18

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 86.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.7	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Benzene	ND		4.7	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Bromoform	ND		4.7	0.42	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Bromomethane	ND		4.7	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
2-Butanone (MEK)	ND		4.7	0.84	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Carbon disulfide	ND		4.7	0.49	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Carbon tetrachloride	ND		4.7	0.42	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Chlorobenzene	ND		4.7	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Chlorobromomethane	ND		4.7	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Chlorodibromomethane	ND		4.7	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Chloroethane	ND		4.7	1.5	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Chloroform	ND		4.7	0.56	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Chloromethane	ND		4.7	0.81	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
cis-1,2-Dichloroethene	ND		4.7	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
cis-1,3-Dichloropropene	ND		4.7	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Cyclohexane	ND		4.7	0.35	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
1,2-Dibromo-3-Chloropropane	ND		4.7	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
1,2-Dibromoethane	ND		4.7	0.82	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
1,2-Dichlorobenzene	ND		4.7	0.76	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
1,3-Dichlorobenzene	ND		4.7	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
1,4-Dichlorobenzene	ND		4.7	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Dichlorobromomethane	ND		4.7	0.53	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Dichlorodifluoromethane	ND		4.7	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
1,1-Dichloroethane	ND		4.7	0.55	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
1,2-Dichloroethane	ND		4.7	0.58	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
1,1-Dichloroethene	ND		4.7	0.81	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
1,2-Dichloropropane	ND		4.7	0.52	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
1,4-Dioxane	ND		950	260	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B87-2-6 (5) **Lab Sample ID: 180-35818-24**
Date Collected: 08/14/14 11:18 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 86.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		4.7	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
2-Hexanone	ND		4.7	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Isopropylbenzene	ND		4.7	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Methyl acetate	ND		4.7	0.86	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Methylcyclohexane	ND		4.7	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Methylene Chloride	ND		4.7	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Methyl tert-butyl ether	ND		4.7	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
m-Xylene & p-Xylene	ND		9.5	1.4	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
o-Xylene	ND		4.7	0.74	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Styrene	ND		4.7	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Tetrachloroethene	ND		4.7	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Toluene	ND		4.7	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
trans-1,2-Dichloroethene	ND		4.7	0.57	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
trans-1,3-Dichloropropene	ND		4.7	0.57	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
1,2,3-Trichlorobenzene	ND		4.7	0.80	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
1,2,4-Trichlorobenzene	ND		4.7	0.84	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
1,1,1-Trichloroethane	ND		4.7	0.46	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
1,1,2-Trichloroethane	ND		4.7	0.79	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Trichloroethene	ND		4.7	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Trichlorofluoromethane	ND		4.7	0.87	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1
Vinyl chloride	ND		4.7	0.45	ug/Kg	☼	08/20/14 03:43	08/20/14 10:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 10:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/20/14 03:43*	*08/20/14 10:23*	*1*
Dibromofluoromethane (Surr)	*100*		*68 - 121*	*08/20/14 03:43*	*08/20/14 10:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*52 - 124*	*08/20/14 03:43*	*08/20/14 10:23*	*1*
Toluene-d8 (Surr)	*100*		*72 - 127*	*08/20/14 03:43*	*08/20/14 10:23*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	7.2	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Acenaphthylene	ND		76	8.6	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Acetophenone	ND		370	31	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Anthracene	ND		76	7.4	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Atrazine	ND		370	37	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Benzaldehyde	ND	*	370	57	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Benzo[a]anthracene	ND		76	9.5	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Benzo[a]pyrene	ND		76	7.5	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Benzo[b]fluoranthene	ND		76	12	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Benzo[g,h,i]perylene	ND		76	7.5	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Benzo[k]fluoranthene	ND		76	15	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
1,1'-Biphenyl	ND		370	34	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Bis(2-chloroethyl)ether	ND		76	10	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1

Client Sample ID: SSHS-B87-2-6 (5)

Lab Sample ID: 180-35818-24

Date Collected: 08/14/14 11:18

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 86.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		760	61	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
4-Bromophenyl phenyl ether	ND		370	33	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Butyl benzyl phthalate	ND		370	52	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Carbazole	ND		76	7.0	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
4-Chloro-3-methylphenol	ND		370	35	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
2-Chloronaphthalene	ND		76	7.9	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
4-Chlorophenyl phenyl ether	ND		370	42	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Chrysene	**65**	**J**	76	9.0	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Dibenz(a,h)anthracene	ND		76	8.4	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
3,3'-Dichlorobenzidine	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
2,4-Dichlorophenol	ND		76	7.6	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
2,4-Dimethylphenol	ND		370	59	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Di-n-octyl phthalate	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
1,4-Dioxane	ND		760	43	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Fluoranthene	**15**	**J**	76	8.1	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Fluorene	ND		76	9.9	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Hexachlorobenzene	ND		76	8.0	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Hexachlorobutadiene	ND		76	8.4	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Hexachlorocyclopentadiene	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Indeno[1,2,3-cd]pyrene	ND		76	7.8	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Isophorone	ND		370	28	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
2-Methylnaphthalene	ND		76	6.8	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Naphthalene	ND		76	6.5	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
3-Nitroaniline	ND		1900	160	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Nitrobenzene	ND		760	31	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
2-Nitrophenol	ND		370	42	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
N-Nitrosodi-n-propylamine	ND		76	8.8	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
2,2'-oxybis[1-chloropropane]	ND		76	8.1	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Pentachlorophenol	ND		370	34	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Phenanthrene	**35**	**J**	76	12	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
Phenol	ND		76	8.9	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1

Client Sample ID: SSHS-B87-2-6 (5)
Date Collected: 08/14/14 11:18
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-24
Matrix: Solid
Percent Solids: 86.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	**11**	**J**	76	7.6	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
1,2,4,5-Tetrachlorobenzene	ND		370	29	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/26/14 19:45	08/28/14 02:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*290*	*T J*	*ug/Kg*	☼	*12.79*		*08/26/14 19:45*	*08/28/14 02:09*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*15.73*		*08/26/14 19:45*	*08/28/14 02:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*35 - 105*	*08/26/14 19:45*	*08/28/14 02:09*	*1*
2-Fluorophenol (Surr)	*80*		*39 - 103*	*08/26/14 19:45*	*08/28/14 02:09*	*1*
Nitrobenzene-d5 (Surr)	*100*		*25 - 104*	*08/26/14 19:45*	*08/28/14 02:09*	*1*
Phenol-d5 (Surr)	*85*		*25 - 105*	*08/26/14 19:45*	*08/28/14 02:09*	*1*
Terphenyl-d14 (Surr)	*78*		*25 - 127*	*08/26/14 19:45*	*08/28/14 02:09*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*35 - 124*	*08/26/14 19:45*	*08/28/14 02:09*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.34	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
alpha-BHC	ND		1.9	0.31	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
alpha-Chlordane	ND		1.9	0.38	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
beta-BHC	ND		1.9	0.49	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
4,4'-DDD	ND		1.9	0.25	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
4,4'-DDE	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
Dieldrin	ND		1.9	0.32	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
Endosulfan I	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
Endosulfan II	ND		1.9	0.34	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
Endosulfan sulfate	ND		1.9	0.20	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
Endrin	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
Endrin aldehyde	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
Endrin ketone	ND		1.9	0.30	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
gamma-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
Heptachlor epoxide	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
Methoxychlor	ND		3.8	0.40	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1
Toxaphene	ND		76	13	ug/Kg	☼	08/26/14 20:50	08/27/14 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*08/26/14 20:50*	*08/27/14 23:27*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/26/14 20:50*	*08/27/14 23:27*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*08/26/14 20:50*	*08/27/14 23:27*	*1*
Tetrachloro-m-xylene	*94*		*45 - 130*	*08/26/14 20:50*	*08/27/14 23:27*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/26/14 20:50	08/28/14 05:01	1

Client Sample ID: SSHS-B87-2-6 (5) **Lab Sample ID: 180-35818-24**

Date Collected: 08/14/14 11:18 **Matrix: Solid**

Date Received: 08/15/14 09:10 **Percent Solids: 86.7**

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		19	3.6	ug/Kg	☼	08/26/14 20:50	08/28/14 05:01	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/26/14 20:50	08/28/14 05:01	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/26/14 20:50	08/28/14 05:01	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/26/14 20:50	08/28/14 05:01	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 05:01	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 05:01	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/26/14 20:50	08/28/14 05:01	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/26/14 20:50	08/28/14 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/26/14 20:50*	*08/28/14 05:01*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 125*	*08/26/14 20:50*	*08/28/14 05:32*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*45 - 135*	*08/26/14 20:50*	*08/28/14 05:01*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*	*08/26/14 20:50*	*08/28/14 05:32*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6900**		22	2.3	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Antimony	**0.32**	**J**	1.1	0.22	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Arsenic	**6.7**		1.1	0.34	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Barium	**45**		22	0.014	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Beryllium	**0.45**		0.44	0.012	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Cadmium	ND		0.55	0.016	mg/Kg	☼	08/21/14 13:03	08/29/14 10:55	1
Calcium	**1800**		550	1.7	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Chromium	**9.3**		0.55	0.086	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Cobalt	**6.4**		5.5	0.046	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Copper	**57**		2.8	0.16	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Iron	**15000**		11	0.98	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Lead	**30**		1.1	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Magnesium	**1900**		550	2.3	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Manganese	**330**		1.7	0.099	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Nickel	**15**		4.4	0.053	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Potassium	**700**		550	7.1	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Selenium	**1.2**	**B**	1.1	0.30	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Silver	ND		0.55	0.045	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Sodium	**240**	**J**	550	1.2	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Vanadium	**15**		5.5	0.19	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1
Zinc	**52**	**B**	2.2	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 13:15	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.019**	**J**	0.037	0.012	mg/Kg	☼	08/27/14 09:12	08/27/14 12:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**87**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	**0.19**	**J**	0.59	0.17	mg/Kg	☼	08/27/14 07:00	08/27/14 09:53	1

Client Sample Results

Client Sample ID: SSHS-B87-6-10 (8)

Lab Sample ID: 180-35818-25

Date Collected: 08/14/14 11:22

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 88.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.9	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Benzene	ND		4.9	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Bromoform	ND		4.9	0.43	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Bromomethane	ND		4.9	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
2-Butanone (MEK)	ND		4.9	0.86	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Carbon disulfide	ND		4.9	0.50	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Carbon tetrachloride	ND		4.9	0.43	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Chlorobenzene	ND		4.9	0.74	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Chlorobromomethane	ND		4.9	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Chlorodibromomethane	ND		4.9	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Chloroethane	ND		4.9	1.5	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Chloroform	ND		4.9	0.57	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Chloromethane	ND		4.9	0.83	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
cis-1,2-Dichloroethene	ND		4.9	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
cis-1,3-Dichloropropene	ND		4.9	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Cyclohexane	ND		4.9	0.36	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
1,2-Dibromo-3-Chloropropane	ND		4.9	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
1,2-Dibromoethane	ND		4.9	0.84	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
1,2-Dichlorobenzene	ND		4.9	0.78	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
1,3-Dichlorobenzene	ND		4.9	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
1,4-Dichlorobenzene	ND		4.9	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Dichlorobromomethane	ND		4.9	0.55	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Dichlorodifluoromethane	ND		4.9	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
1,1-Dichloroethane	ND		4.9	0.56	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
1,2-Dichloroethane	ND		4.9	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
1,1-Dichloroethene	ND		4.9	0.83	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
1,2-Dichloropropane	ND		4.9	0.53	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
1,4-Dioxane	ND		970	270	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Ethylbenzene	ND		4.9	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
2-Hexanone	ND		4.9	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Isopropylbenzene	ND		4.9	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Methyl acetate	ND		4.9	0.88	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Methylcyclohexane	ND		4.9	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Methylene Chloride	ND		4.9	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Methyl tert-butyl ether	ND		4.9	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
m-Xylene & p-Xylene	ND		9.7	1.4	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
o-Xylene	ND		4.9	0.76	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Styrene	ND		4.9	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Tetrachloroethene	ND		4.9	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Toluene	ND		4.9	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
trans-1,2-Dichloroethene	ND		4.9	0.58	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
trans-1,3-Dichloropropene	ND		4.9	0.58	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
1,2,3-Trichlorobenzene	ND		4.9	0.82	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
1,2,4-Trichlorobenzene	ND		4.9	0.86	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
1,1,1-Trichloroethane	ND		4.9	0.47	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
1,1,2-Trichloroethane	ND		4.9	0.81	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Trichloroethene	ND		4.9	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1

Client Sample ID: SSHS-B87-6-10 (8)
Lab Sample ID: 180-35818-25
Date Collected: 08/14/14 11:22
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.9	0.89	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1
Vinyl chloride	ND		4.9	0.46	ug/Kg	☼	08/20/14 03:43	08/20/14 10:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 10:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/20/14 03:43*	*08/20/14 10:46*	*1*
Dibromofluoromethane (Surr)	*101*		*68 - 121*	*08/20/14 03:43*	*08/20/14 10:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*52 - 124*	*08/20/14 03:43*	*08/20/14 10:46*	*1*
Toluene-d8 (Surr)	*100*		*72 - 127*	*08/20/14 03:43*	*08/20/14 10:46*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	7.2	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Acenaphthylene	ND		75	8.6	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Acetophenone	ND		370	31	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Anthracene	ND		75	7.3	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Atrazine	ND		370	37	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Benzaldehyde	ND	*	370	56	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Benzo[a]anthracene	ND		75	9.4	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Benzo[a]pyrene	ND		75	7.5	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Benzo[b]fluoranthene	ND		75	12	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Benzo[g,h,i]perylene	ND		75	7.5	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Benzo[k]fluoranthene	ND		75	15	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Bis(2-ethylhexyl) phthalate	ND		750	61	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
4-Bromophenyl phenyl ether	ND		370	33	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Carbazole	ND		75	6.9	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
4-Chloro-3-methylphenol	ND		370	35	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
2-Chloronaphthalene	ND		75	7.8	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
4-Chlorophenyl phenyl ether	ND		370	42	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Chrysene	ND		75	8.9	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Dibenz(a,h)anthracene	ND		75	8.4	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
3,3'-Dichlorobenzidine	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
2,4-Dichlorophenol	ND		75	7.5	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
2,4-Dimethylphenol	ND		370	59	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1

Client Sample Results

Client Sample ID: SSHS-B87-6-10 (8)

Lab Sample ID: 180-35818-25

Date Collected: 08/14/14 11:22

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 88.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Di-n-octyl phthalate	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Fluoranthene	ND		75	8.0	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Fluorene	ND		75	9.9	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Hexachlorobenzene	ND		75	8.0	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Hexachlorobutadiene	ND		75	8.4	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Indeno[1,2,3-cd]pyrene	ND		75	7.7	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Isophorone	ND		370	28	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
2-Methylnaphthalene	ND		75	6.8	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Naphthalene	ND		75	6.5	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
N-Nitrosodi-n-propylamine	ND		75	8.8	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
2,2'-oxybis[1-chloropropane]	ND		75	8.1	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Pentachlorophenol	ND		370	34	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Phenanthrene	ND		75	12	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Phenol	ND		75	8.9	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
Pyrene	ND		75	7.6	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/26/14 19:45	08/29/14 08:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*480*	*T J*	*ug/Kg*	☼	*1.29*		*08/26/14 19:45*	*08/29/14 08:55*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*12.78*		*08/26/14 19:45*	*08/29/14 08:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*35 - 105*	*08/26/14 19:45*	*08/29/14 08:55*	*1*
2-Fluorophenol (Surr)	*79*		*39 - 103*	*08/26/14 19:45*	*08/29/14 08:55*	*1*
Nitrobenzene-d5 (Surr)	*98*		*25 - 104*	*08/26/14 19:45*	*08/29/14 08:55*	*1*
Phenol-d5 (Surr)	*84*		*25 - 105*	*08/26/14 19:45*	*08/29/14 08:55*	*1*
Terphenyl-d14 (Surr)	*81*		*25 - 127*	*08/26/14 19:45*	*08/29/14 08:55*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*35 - 124*	*08/26/14 19:45*	*08/29/14 08:55*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.34	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
alpha-BHC	ND		1.9	0.31	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1

Client Sample ID: SSHS-B87-6-10 (8)
Lab Sample ID: 180-35818-25
Date Collected: 08/14/14 11:22
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
beta-BHC	ND		1.9	0.49	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
4,4'-DDD	ND		1.9	0.25	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
Endosulfan sulfate	ND		1.9	0.20	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
gamma-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
Heptachlor epoxide	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1
Toxaphene	ND		75	13	ug/Kg	☼	08/26/14 20:50	08/27/14 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/26/14 20:50*	*08/27/14 23:43*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/26/14 20:50*	*08/27/14 23:43*	*1*
Tetrachloro-m-xylene	*98*		*45 - 130*	*08/26/14 20:50*	*08/27/14 23:43*	*1*
Tetrachloro-m-xylene	*94*		*45 - 130*	*08/26/14 20:50*	*08/27/14 23:43*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/26/14 20:50	08/28/14 05:32	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/26/14 20:50	08/28/14 05:32	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/26/14 20:50	08/28/14 05:32	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/26/14 20:50	08/28/14 05:32	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/26/14 20:50	08/28/14 05:32	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 05:32	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 05:32	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/26/14 20:50	08/28/14 05:32	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/26/14 20:50	08/28/14 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/26/14 20:50*	*08/28/14 05:32*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 125*	*08/26/14 20:50*	*08/28/14 06:04*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*	*08/26/14 20:50*	*08/28/14 05:32*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*45 - 135*	*08/26/14 20:50*	*08/28/14 06:04*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7000**		23	2.4	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Antimony	ND		1.1	0.23	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Arsenic	**7.6**		1.1	0.35	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Barium	**72**		23	0.015	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1

Client Sample Results

Client Sample ID: SSHS-B87-6-10 (8)

Lab Sample ID: 180-35818-25
Date Collected: 08/14/14 11:22
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.34**	**J**	0.45	0.013	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Cadmium	ND		0.57	0.016	mg/Kg	☼	08/21/14 13:03	08/29/14 11:00	1
Calcium	**1300**		570	1.7	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Chromium	**8.9**		0.57	0.088	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Cobalt	**6.6**		5.7	0.048	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Copper	**21**		2.8	0.16	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Iron	**17000**		11	1.0	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Lead	**9.0**		1.1	0.12	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Magnesium	**2000**		570	2.3	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Manganese	**590**		1.7	0.10	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Nickel	**15**		4.5	0.054	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Potassium	**680**		570	7.3	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Selenium	ND		1.1	0.30	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Silver	ND		0.57	0.046	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Sodium	**170**	**J**	570	1.2	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Vanadium	**13**		5.7	0.20	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1
Zinc	**63**	**B**	2.3	0.12	mg/Kg	☼	08/21/14 13:03	08/28/14 13:20	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.019**	**J**	0.037	0.012	mg/Kg	☼	08/27/14 09:12	08/27/14 12:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**89**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	ND		0.57	0.17	mg/Kg	☼	08/27/14 07:00	08/27/14 09:53	1

Client Sample ID: SSHS-B87-10-15 (12)

Lab Sample ID: 180-35818-26
Date Collected: 08/14/14 11:28
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		23	5.9	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Benzene	ND		5.9	0.79	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Bromoform	ND		5.9	0.52	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Bromomethane	ND		5.9	0.87	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
2-Butanone (MEK)	ND		5.9	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Carbon disulfide	ND		5.9	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Carbon tetrachloride	ND		5.9	0.52	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Chlorobenzene	ND		5.9	0.89	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Chlorobromomethane	ND		5.9	0.81	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Chlorodibromomethane	ND		5.9	0.83	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Chloroethane	ND		5.9	1.8	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Chloroform	ND		5.9	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Chloromethane	ND		5.9	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
cis-1,2-Dichloroethene	ND		5.9	0.83	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
cis-1,3-Dichloropropene	ND		5.9	0.80	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1

Client Sample Results

Client Sample ID: SSHS-B87-10-15 (12)
Lab Sample ID: 180-35818-26
Date Collected: 08/14/14 11:28
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.9	0.44	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
1,2-Dibromo-3-Chloropropane	ND		5.9	0.88	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
1,2-Dibromoethane	ND		5.9	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
1,2-Dichlorobenzene	ND		5.9	0.94	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
1,3-Dichlorobenzene	ND		5.9	0.77	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
1,4-Dichlorobenzene	ND		5.9	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Dichlorobromomethane	ND		5.9	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Dichlorodifluoromethane	ND		5.9	0.78	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
1,1-Dichloroethane	ND		5.9	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
1,2-Dichloroethane	ND		5.9	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
1,1-Dichloroethene	ND		5.9	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
1,2-Dichloropropane	ND		5.9	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
1,4-Dioxane	ND		1200	320	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Ethylbenzene	ND		5.9	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
2-Hexanone	ND		5.9	0.81	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Isopropylbenzene	ND		5.9	0.80	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Methyl acetate	ND		5.9	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Methylcyclohexane	ND		5.9	0.85	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Methylene Chloride	ND		5.9	0.79	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.9	0.77	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Methyl tert-butyl ether	ND		5.9	0.88	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
m-Xylene & p-Xylene	ND		12	1.7	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
o-Xylene	ND		5.9	0.92	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Styrene	ND		5.9	0.83	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
1,1,2,2-Tetrachloroethane	ND		5.9	0.84	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Tetrachloroethene	ND		5.9	0.80	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Toluene	ND		5.9	0.86	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
trans-1,2-Dichloroethene	ND		5.9	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
trans-1,3-Dichloropropene	ND		5.9	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
1,2,3-Trichlorobenzene	ND		5.9	0.99	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
1,2,4-Trichlorobenzene	ND		5.9	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
1,1,1-Trichloroethane	ND		5.9	0.57	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
1,1,2-Trichloroethane	ND		5.9	0.98	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Trichloroethene	ND		5.9	0.77	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Trichlorofluoromethane	ND		5.9	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	1.3	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1
Vinyl chloride	ND		5.9	0.55	ug/Kg	☼	08/20/14 03:43	08/20/14 11:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 11:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*	*08/20/14 03:43*	*08/20/14 11:08*	*1*
Dibromofluoromethane (Surr)	*100*		*68 - 121*	*08/20/14 03:43*	*08/20/14 11:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*52 - 124*	*08/20/14 03:43*	*08/20/14 11:08*	*1*
Toluene-d8 (Surr)	*100*		*72 - 127*	*08/20/14 03:43*	*08/20/14 11:08*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	7.0	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35818-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B87-10-15 (12)

Lab Sample ID: 180-35818-26
Date Collected: 08/14/14 11:28
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		74	8.4	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Acetophenone	ND		360	30	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Anthracene	ND		74	7.2	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Atrazine	ND		360	36	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Benzaldehyde	ND	*	360	55	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Benzo[a]anthracene	ND		74	9.2	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Benzo[a]pyrene	ND		74	7.3	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Benzo[b]fluoranthene	ND		74	12	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Benzo[g,h,i]perylene	ND		74	7.3	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Benzo[k]fluoranthene	ND		74	15	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Bis(2-chloroethyl)ether	ND		74	9.8	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Bis(2-ethylhexyl) phthalate	ND		740	59	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Carbazole	ND		74	6.7	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
2-Chloronaphthalene	ND		74	7.6	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Chrysene	ND		74	8.7	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Dibenz(a,h)anthracene	ND		74	8.1	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
2,4-Dichlorophenol	ND		74	7.3	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Fluoranthene	ND		74	7.8	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Fluorene	ND		74	9.7	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Hexachlorobenzene	ND		74	7.8	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Hexachlorobutadiene	ND		74	8.2	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Indeno[1,2,3-cd]pyrene	ND		74	7.5	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Isophorone	ND		360	28	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
2-Methylnaphthalene	ND		74	6.6	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1

Client Sample Results

Client Sample ID: SSHS-B87-10-15 (12)
Lab Sample ID: 180-35818-26
Date Collected: 08/14/14 11:28
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		74	6.3	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Nitrobenzene	ND		740	30	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
N-Nitrosodi-n-propylamine	ND		74	8.6	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
2,2'-oxybis[1-chloropropane]	ND		74	7.9	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Phenanthrene	ND		74	12	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Phenol	ND		74	8.7	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
Pyrene	ND		74	7.4	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
2,3,4,6-Tetrachlorophenol	ND		360	24	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/26/14 19:45	08/28/14 03:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190*	*T J*	*ug/Kg*	☼	*12.79*		*08/26/14 19:45*	*08/28/14 03:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*08/26/14 19:45*	*08/28/14 03:06*	*1*
2-Fluorophenol (Surr)	*70*		*39 - 103*	*08/26/14 19:45*	*08/28/14 03:06*	*1*
Nitrobenzene-d5 (Surr)	*88*		*25 - 104*	*08/26/14 19:45*	*08/28/14 03:06*	*1*
Phenol-d5 (Surr)	*81*		*25 - 105*	*08/26/14 19:45*	*08/28/14 03:06*	*1*
Terphenyl-d14 (Surr)	*69*		*25 - 127*	*08/26/14 19:45*	*08/28/14 03:06*	*1*
2,4,6-Tribromophenol (Surr)	*50*		*35 - 124*	*08/26/14 19:45*	*08/28/14 03:06*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
beta-BHC	ND		1.9	0.47	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
4,4'-DDT	ND		1.9	0.27	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
Dieldrin	ND		1.9	0.30	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
Endosulfan I	ND		1.9	0.34	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
Endrin	ND		1.9	0.35	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
Endrin ketone	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1

Client Sample ID: SSHS-B87-10-15 (12)

Date Collected: 08/14/14 11:28
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-26

Matrix: Solid
Percent Solids: 91.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1
Toxaphene	ND		74	12	ug/Kg	☼	08/26/14 20:50	08/27/14 23:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/26/14 20:50*	*08/27/14 23:58*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/26/14 20:50*	*08/27/14 23:58*	*1*
Tetrachloro-m-xylene	*90*		*45 - 130*	*08/26/14 20:50*	*08/27/14 23:58*	*1*
Tetrachloro-m-xylene	*85*		*45 - 130*	*08/26/14 20:50*	*08/27/14 23:58*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 06:04	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/26/14 20:50	08/28/14 06:04	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/26/14 20:50	08/28/14 06:04	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/26/14 20:50	08/28/14 06:04	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/26/14 20:50	08/28/14 06:04	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 06:04	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 06:04	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/26/14 20:50	08/28/14 06:04	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/26/14 20:50	08/28/14 06:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/26/14 20:50*	*08/28/14 06:04*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/26/14 20:50*	*08/28/14 06:35*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*	*08/26/14 20:50*	*08/28/14 06:04*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*	*08/26/14 20:50*	*08/28/14 06:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5100**		21	2.2	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Antimony	**0.27**	**J**	1.0	0.21	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Arsenic	**6.0**		1.0	0.32	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Barium	**41**		21	0.013	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Beryllium	**0.23**	**J**	0.41	0.012	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Cadmium	ND		0.52	0.015	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Calcium	**19000**		520	1.6	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Chromium	**6.7**		0.52	0.080	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Cobalt	**5.0**	**J**	5.2	0.043	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Copper	**17**		2.6	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Iron	**14000**		10	0.92	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Lead	**5.9**		1.0	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Magnesium	**8500**		520	2.1	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Manganese	**360**		1.6	0.092	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Nickel	**12**		4.1	0.049	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Potassium	**550**		520	6.6	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Selenium	**0.38**	**J B**	1.0	0.28	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Sodium	**94**	**J**	520	1.1	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1

Client Sample Results

Client Sample ID: SSHS-B87-10-15 (12)

Lab Sample ID: 180-35818-26

Date Collected: 08/14/14 11:28
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	**9.7**		5.2	0.18	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1
Zinc	**120**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 13:25	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.012	mg/Kg	☼	08/27/14 09:12	08/27/14 12:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.9**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**91**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	ND		0.56	0.16	mg/Kg	☼	08/27/14 07:00	08/27/14 10:00	1

Client Sample ID: SSHS-B81-0.17-2 (1.5)

Lab Sample ID: 180-35818-27

Date Collected: 08/14/14 09:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	5.2	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Benzene	ND		5.2	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Bromoform	ND		5.2	0.46	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Bromomethane	ND		5.2	0.76	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
2-Butanone (MEK)	ND		5.2	0.91	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Carbon disulfide	ND		5.2	0.53	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Carbon tetrachloride	ND		5.2	0.46	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Chlorobenzene	ND		5.2	0.78	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Chlorobromomethane	ND		5.2	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Chlorodibromomethane	ND		5.2	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Chloroethane	ND		5.2	1.6	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Chloroform	ND		5.2	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Chloromethane	ND		5.2	0.88	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
cis-1,2-Dichloroethene	ND		5.2	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
cis-1,3-Dichloropropene	ND		5.2	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Cyclohexane	ND		5.2	0.38	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
1,2-Dibromo-3-Chloropropane	ND		5.2	0.77	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
1,2-Dibromoethane	ND		5.2	0.89	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
1,2-Dichlorobenzene	ND		5.2	0.82	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
1,3-Dichlorobenzene	ND		5.2	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
1,4-Dichlorobenzene	ND		5.2	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Dichlorobromomethane	ND		5.2	0.58	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Dichlorodifluoromethane	ND		5.2	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
1,1-Dichloroethane	ND		5.2	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
1,2-Dichloroethane	ND		5.2	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
1,1-Dichloroethene	ND		5.2	0.87	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
1,2-Dichloropropane	ND		5.2	0.56	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
1,4-Dioxane	ND		1000	280	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Ethylbenzene	ND		5.2	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
2-Hexanone	ND		5.2	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Isopropylbenzene	ND		5.2	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1

Client Sample ID: SSHS-B81-0.17-2 (1.5) **Lab Sample ID: 180-35818-27**
Date Collected: 08/14/14 09:00 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		5.2	0.93	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Methylcyclohexane	ND		5.2	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Methylene Chloride	ND		5.2	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Methyl tert-butyl ether	ND		5.2	0.77	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
o-Xylene	ND		5.2	0.80	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Styrene	ND		5.2	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
1,1,2,2-Tetrachloroethane	ND		5.2	0.74	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Tetrachloroethene	ND		5.2	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Toluene	ND		5.2	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
trans-1,2-Dichloroethene	ND		5.2	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
trans-1,3-Dichloropropene	ND		5.2	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
1,2,3-Trichlorobenzene	ND		5.2	0.87	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
1,2,4-Trichlorobenzene	ND		5.2	0.91	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
1,1,1-Trichloroethane	ND		5.2	0.50	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
1,1,2-Trichloroethane	ND		5.2	0.86	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Trichloroethene	ND		5.2	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Trichlorofluoromethane	ND		5.2	0.95	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1
Vinyl chloride	ND		5.2	0.48	ug/Kg	☼	08/20/14 03:43	08/20/14 11:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 11:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*63 - 120*	*08/20/14 03:43*	*08/20/14 11:30*	*1*
Dibromofluoromethane (Surr)	*100*		*68 - 121*	*08/20/14 03:43*	*08/20/14 11:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*52 - 124*	*08/20/14 03:43*	*08/20/14 11:30*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*08/20/14 03:43*	*08/20/14 11:30*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**70**	**J**	74	7.1	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Acenaphthylene	**620**		74	8.5	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Acetophenone	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Anthracene	**790**		74	7.2	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Atrazine	ND		370	36	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Benzaldehyde	ND	*	370	55	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Benzo[a]anthracene	**1400**		74	9.3	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Benzo[a]pyrene	**1900**		74	7.4	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Benzo[b]fluoranthene	**2300**		74	12	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Benzo[g,h,i]perylene	**2100**		74	7.4	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Benzo[k]fluoranthene	**830**		74	15	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
1,1'-Biphenyl	**140**	**J**	370	33	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Bis(2-chloroethoxy)methane	ND		370	24	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Bis(2-ethylhexyl) phthalate	ND		740	60	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1

Client Sample ID: SSHS-B81-0.17-2 (1.5) Lab Sample ID: 180-35818-27

Date Collected: 08/14/14 09:00 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.2**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		1900	280	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Carbazole	**140**		74	6.8	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
2-Chlorophenol	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Chrysene	**1700**		74	8.8	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Dibenz(a,h)anthracene	**450**		74	8.2	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Dibenzofuran	**650**		370	36	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Diethyl phthalate	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Dimethyl phthalate	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Di-n-butyl phthalate	ND		370	46	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Fluoranthene	**4000**		74	7.9	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Fluorene	**610**		74	9.7	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Hexachlorobenzene	ND		74	7.9	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Hexachlorobutadiene	ND		74	8.3	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Indeno[1,2,3-cd]pyrene	**1800**		74	7.6	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Isophorone	ND		370	28	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
2-Methylnaphthalene	**330**		74	6.6	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Methylphenol, 3 & 4	**56**	**J**	370	36	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Naphthalene	**900**		74	6.4	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
N-Nitrosodi-n-propylamine	ND		74	8.7	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
N-Nitrosodiphenylamine	ND		370	34	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
2,2'-oxybis[1-chloropropane]	ND		74	8.0	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Phenanthrene	**4100**		74	12	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Phenol	ND		74	8.7	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
Pyrene	**6600**		74	7.5	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1

Client Sample ID: SSHS-B81-0.17-2 (1.5)
Lab Sample ID: 180-35818-27
Date Collected: 08/14/14 09:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		370	39	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1
2,4,6-Trichlorophenol	ND		370	55	ug/Kg	☼	08/26/14 19:45	08/28/14 03:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown alkane	*790*	*T J*	*ug/Kg*	☼	*9.69*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown PAH	*400*	*T J*	*ug/Kg*	☼	*9.87*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown alkane	*430*	*T J*	*ug/Kg*	☼	*10.11*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown alkane	*1100*	*T J*	*ug/Kg*	☼	*10.14*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown alkane	*480*	*T J*	*ug/Kg*	☼	*10.52*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
1H-Cyclopropa[l]phenanthrene,1a,9b -dihyd	*700*	*T J N*	*ug/Kg*	☼	*10.77*	*949-41-7*	*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown PAH	*400*	*T J*	*ug/Kg*	☼	*10.83*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown PAH	*1600*	*T J*	*ug/Kg*	☼	*10.87*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown alkane	*570*	*T J*	*ug/Kg*	☼	*10.94*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown	*570*	*T J*	*ug/Kg*	☼	*11.21*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown alkane	*410*	*T J*	*ug/Kg*	☼	*11.27*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown alkane	*850*	*T J*	*ug/Kg*	☼	*11.39*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*12.15*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Pyrene, 1-methyl-	*570*	*T J N*	*ug/Kg*	☼	*12.32*	*2381-21-7*	*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown alkane	*320*	*T J*	*ug/Kg*	☼	*12.40*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown	*710*	*T J*	*ug/Kg*	☼	*12.48*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown PAH	*180*	*T J*	*ug/Kg*	☼	*12.67*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown alkane	*370*	*T J*	*ug/Kg*	☼	*12.72*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown alkane	*260*	*T J*	*ug/Kg*	☼	*12.95*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*14.27*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown alkane	*190*	*T J*	*ug/Kg*	☼	*14.44*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown PAH	*150*	*T J*	*ug/Kg*	☼	*14.57*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*14.77*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*14.90*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown PAH	*1300*	*T J*	*ug/Kg*	☼	*16.15*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown PAH	*1200*	*T J*	*ug/Kg*	☼	*16.50*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown PAH	*2300*	*T J*	*ug/Kg*	☼	*16.51*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown	*2200*	*T J*	*ug/Kg*	☼	*18.57*		*08/26/14 19:45*	*08/28/14 03:35*	*1*
Unknown	*910*	*T J*	*ug/Kg*	☼	*18.74*		*08/26/14 19:45*	*08/28/14 03:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*35 - 105*	*08/26/14 19:45*	*08/28/14 03:35*	*1*
2-Fluorophenol (Surr)	*85*		*39 - 103*	*08/26/14 19:45*	*08/28/14 03:35*	*1*
Nitrobenzene-d5 (Surr)	*101*		*25 - 104*	*08/26/14 19:45*	*08/28/14 03:35*	*1*
Phenol-d5 (Surr)	*96*		*25 - 105*	*08/26/14 19:45*	*08/28/14 03:35*	*1*
Terphenyl-d14 (Surr)	*80*		*25 - 127*	*08/26/14 19:45*	*08/28/14 03:35*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*35 - 124*	*08/26/14 19:45*	*08/28/14 03:35*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1

Client Sample Results

Client Sample ID: SSHS-B81-0.17-2 (1.5)

Lab Sample ID: 180-35818-27

Date Collected: 08/14/14 09:00

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 90.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1
Toxaphene	ND		74	12	ug/Kg	☼	08/26/14 20:50	08/28/14 00:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*	*08/26/14 20:50*	*08/28/14 00:14*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*08/26/14 20:50*	*08/28/14 00:14*	*1*
Tetrachloro-m-xylene	*100*		*45 - 130*	*08/26/14 20:50*	*08/28/14 00:14*	*1*
Tetrachloro-m-xylene	*96*		*45 - 130*	*08/26/14 20:50*	*08/28/14 00:14*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 06:35	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/26/14 20:50	08/28/14 06:35	1
PCB-1232	ND		18	3.2	ug/Kg	☼	08/26/14 20:50	08/28/14 06:35	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/26/14 20:50	08/28/14 06:35	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/26/14 20:50	08/28/14 06:35	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 06:35	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 06:35	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/26/14 20:50	08/28/14 06:35	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/26/14 20:50	08/28/14 06:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/26/14 20:50*	*08/28/14 06:35*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/26/14 20:50*	*08/28/14 07:07*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*	*08/26/14 20:50*	*08/28/14 06:35*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*	*08/26/14 20:50*	*08/28/14 07:07*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7900**		21	2.1	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Antimony	**0.29**	**J**	1.0	0.20	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Arsenic	**8.3**		1.0	0.31	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Barium	**94**		21	0.013	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Beryllium	**0.42**		0.41	0.011	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Cadmium	**0.062**	**J B**	0.51	0.015	mg/Kg	☼	08/21/14 13:03	08/29/14 11:05	1
Calcium	**13000**		510	1.5	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1

Client Sample ID: SSHS-B81-0.17-2 (1.5) Lab Sample ID: 180-35818-27

Date Collected: 08/14/14 09:00 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.2**

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**16**		0.51	0.079	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Cobalt	**6.9**		5.1	0.043	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Copper	**51**		2.6	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Iron	**19000**		10	0.91	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Lead	**41**		1.0	0.10	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Magnesium	**3500**		510	2.1	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Manganese	**490**		1.5	0.091	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Nickel	**22**		4.1	0.049	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Potassium	**650**		510	6.6	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Selenium	**0.64**	**J B**	1.0	0.27	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Silver	ND		0.51	0.041	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Sodium	**210**	**J**	510	1.1	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Vanadium	**15**		5.1	0.18	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1
Zinc	**79**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 13:31	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.051**		0.036	0.012	mg/Kg	☼	08/27/14 09:12	08/27/14 12:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.8**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**90**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	**0.30**	**J B**	0.55	0.16	mg/Kg	☼	08/25/14 10:00	08/25/14 14:25	1

Client Sample ID: SSHS-B81-2-6 (4) Lab Sample ID: 180-35818-28

Date Collected: 08/14/14 09:10 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.2**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	5.3	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Benzene	ND		5.3	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Bromoform	ND		5.3	0.47	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Bromomethane	ND		5.3	0.79	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
2-Butanone (MEK)	ND		5.3	0.94	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Carbon disulfide	ND		5.3	0.55	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Carbon tetrachloride	ND		5.3	0.48	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Chlorobenzene	ND		5.3	0.81	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Chlorobromomethane	ND		5.3	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Chlorodibromomethane	ND		5.3	0.76	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Chloroethane	ND		5.3	1.6	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Chloroform	ND		5.3	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Chloromethane	ND		5.3	0.91	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
cis-1,2-Dichloroethene	ND		5.3	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
cis-1,3-Dichloropropene	ND		5.3	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Cyclohexane	ND		5.3	0.40	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
1,2-Dibromo-3-Chloropropane	ND		5.3	0.80	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
1,2-Dibromoethane	ND		5.3	0.92	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1

Client Sample ID: SSHS-B81-2-6 (4)
Lab Sample ID: 180-35818-28
Date Collected: 08/14/14 09:10
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.3	0.85	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
1,3-Dichlorobenzene	ND		5.3	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
1,4-Dichlorobenzene	ND		5.3	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Dichlorobromomethane	ND		5.3	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Dichlorodifluoromethane	ND		5.3	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
1,1-Dichloroethane	ND		5.3	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
1,2-Dichloroethane	ND		5.3	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
1,1-Dichloroethene	ND		5.3	0.90	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
1,2-Dichloropropane	ND		5.3	0.58	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
1,4-Dioxane	ND		1100	290	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Ethylbenzene	ND		5.3	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
2-Hexanone	ND		5.3	0.74	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Isopropylbenzene	ND		5.3	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Methyl acetate	ND		5.3	0.96	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Methylcyclohexane	ND		5.3	0.77	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Methylene Chloride	ND		5.3	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Methyl tert-butyl ether	ND		5.3	0.80	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
o-Xylene	ND		5.3	0.83	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Styrene	ND		5.3	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.77	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Tetrachloroethene	ND		5.3	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Toluene	ND		5.3	0.78	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
trans-1,2-Dichloroethene	ND		5.3	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
trans-1,3-Dichloropropene	ND		5.3	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
1,2,3-Trichlorobenzene	ND		5.3	0.90	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
1,2,4-Trichlorobenzene	ND		5.3	0.94	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
1,1,1-Trichloroethane	ND		5.3	0.52	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
1,1,2-Trichloroethane	ND		5.3	0.89	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Trichloroethene	ND		5.3	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Trichlorofluoromethane	ND		5.3	0.98	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1
Vinyl chloride	ND		5.3	0.50	ug/Kg	☼	08/20/14 03:43	08/20/14 11:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 11:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*63 - 120*	*08/20/14 03:43*	*08/20/14 11:52*	*1*
Dibromofluoromethane (Surr)	*103*		*68 - 121*	*08/20/14 03:43*	*08/20/14 11:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*52 - 124*	*08/20/14 03:43*	*08/20/14 11:52*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/20/14 03:43*	*08/20/14 11:52*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	7.1	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Acenaphthylene	ND		74	8.5	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Acetophenone	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Anthracene	ND		74	7.2	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B81-2-6 (4)
Date Collected: 08/14/14 09:10
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-28
Matrix: Solid
Percent Solids: 90.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		370	36	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Benzaldehyde	ND	*	370	55	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Benzo[a]anthracene	ND		74	9.3	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Benzo[a]pyrene	ND		74	7.4	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Benzo[b]fluoranthene	ND		74	12	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Benzo[g,h,i]perylene	ND		74	7.4	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Benzo[k]fluoranthene	ND		74	15	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Bis(2-chloroethoxy)methane	ND		370	24	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Bis(2-ethylhexyl) phthalate	ND		740	60	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Carbazole	ND		74	6.8	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
2-Chlorophenol	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Chrysene	ND		74	8.8	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Dibenz(a,h)anthracene	ND		74	8.2	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Dibenzofuran	ND		370	36	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Diethyl phthalate	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Dimethyl phthalate	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Di-n-butyl phthalate	ND		370	46	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Fluoranthene	ND		74	7.9	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Fluorene	ND		74	9.8	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Hexachlorobenzene	ND		74	7.9	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Hexachlorobutadiene	ND		74	8.3	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Indeno[1,2,3-cd]pyrene	ND		74	7.6	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Isophorone	ND		370	28	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
2-Methylnaphthalene	ND		74	6.7	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Methylphenol, 3 & 4	ND		370	36	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Naphthalene	ND		74	6.4	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B81-2-6 (4)

Date Collected: 08/14/14 09:10
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-28
Matrix: Solid
Percent Solids: 90.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
N-Nitrosodi-n-propylamine	ND		74	8.7	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
N-Nitrosodiphenylamine	ND		370	34	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
2,2'-oxybis[1-chloropropane]	ND		74	8.0	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Phenanthrene	ND		74	12	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Phenol	ND		74	8.7	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
Pyrene	ND		74	7.5	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
2,4,5-Trichlorophenol	ND		370	39	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1
2,4,6-Trichlorophenol	ND		370	55	ug/Kg	☼	08/26/14 19:45	08/29/14 09:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*150*	*T J*	*ug/Kg*	☼	*10.12*		*08/26/14 19:45*	*08/29/14 09:23*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*12.78*		*08/26/14 19:45*	*08/29/14 09:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*35 - 105*	*08/26/14 19:45*	*08/29/14 09:23*	*1*
2-Fluorophenol (Surr)	*80*		*39 - 103*	*08/26/14 19:45*	*08/29/14 09:23*	*1*
Nitrobenzene-d5 (Surr)	*97*		*25 - 104*	*08/26/14 19:45*	*08/29/14 09:23*	*1*
Phenol-d5 (Surr)	*86*		*25 - 105*	*08/26/14 19:45*	*08/29/14 09:23*	*1*
Terphenyl-d14 (Surr)	*81*		*25 - 127*	*08/26/14 19:45*	*08/29/14 09:23*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*35 - 124*	*08/26/14 19:45*	*08/29/14 09:23*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
4,4'-DDD	**0.25**	**J p**	1.9	0.24	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1

Client Sample ID: SSHS-B81-2-6 (4)

Lab Sample ID: 180-35818-28
Date Collected: 08/14/14 09:10
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		74	12	ug/Kg	☼	08/26/14 20:50	08/28/14 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/26/14 20:50*	*08/28/14 00:29*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/26/14 20:50*	*08/28/14 00:29*	*1*
Tetrachloro-m-xylene	*93*		*45 - 130*	*08/26/14 20:50*	*08/28/14 00:29*	*1*
Tetrachloro-m-xylene	*90*		*45 - 130*	*08/26/14 20:50*	*08/28/14 00:29*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 07:07	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/26/14 20:50	08/28/14 07:07	1
PCB-1232	ND		18	3.2	ug/Kg	☼	08/26/14 20:50	08/28/14 07:07	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/26/14 20:50	08/28/14 07:07	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/26/14 20:50	08/28/14 07:07	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 07:07	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 07:07	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/26/14 20:50	08/28/14 07:07	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/26/14 20:50	08/28/14 07:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/26/14 20:50*	*08/28/14 07:07*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 125*	*08/26/14 20:50*	*08/28/14 07:38*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*45 - 135*	*08/26/14 20:50*	*08/28/14 07:07*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*45 - 135*	*08/26/14 20:50*	*08/28/14 07:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7600**		22	2.2	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Antimony	**0.27**	**J**	1.1	0.21	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Arsenic	**6.8**		1.1	0.33	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Barium	**72**		22	0.014	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Beryllium	**0.34**	**J**	0.43	0.012	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Cadmium	ND		0.54	0.015	mg/Kg	☼	08/21/14 13:03	08/29/14 11:21	1
Calcium	**5500**		540	1.6	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Chromium	**9.7**		0.54	0.083	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Cobalt	**5.3**	**J**	5.4	0.045	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Copper	**39**		2.7	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Iron	**17000**		11	0.96	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Lead	**16**		1.1	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Magnesium	**1700**		540	2.2	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Manganese	**340**		1.6	0.096	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Nickel	**14**		4.3	0.051	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Potassium	**650**		540	6.9	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Selenium	**0.47**	**J B**	1.1	0.29	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Silver	ND		0.54	0.044	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Sodium	**210**	**J**	540	1.1	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Vanadium	**13**		5.4	0.19	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1
Zinc	**55**	**B**	2.2	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 13:36	1

Client Sample ID: SSHS-B81-2-6 (4)

Lab Sample ID: 180-35818-28

Date Collected: 08/14/14 09:10

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 90.2

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.018**	**J**	0.036	0.012	mg/Kg	☼	08/27/14 09:12	08/27/14 13:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.8**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**90**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	**0.36**	**J**	0.55	0.16	mg/Kg	☼	08/23/14 09:00	08/23/14 10:45	1

Client Sample ID: SSHS-B81-6-10 (8)

Lab Sample ID: 180-35818-29

Date Collected: 08/14/14 09:15

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 87.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.9	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Benzene	ND		4.9	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Bromoform	ND		4.9	0.44	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Bromomethane	ND		4.9	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
2-Butanone (MEK)	ND		4.9	0.87	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Carbon disulfide	ND		4.9	0.51	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Carbon tetrachloride	ND		4.9	0.44	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Chlorobenzene	ND		4.9	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Chlorobromomethane	ND		4.9	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Chlorodibromomethane	ND		4.9	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Chloroethane	ND		4.9	1.5	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Chloroform	ND		4.9	0.58	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Chloromethane	ND		4.9	0.84	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
cis-1,2-Dichloroethene	ND		4.9	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
cis-1,3-Dichloropropene	ND		4.9	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Cyclohexane	ND		4.9	0.37	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
1,2-Dibromo-3-Chloropropane	ND		4.9	0.74	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
1,2-Dibromoethane	ND		4.9	0.85	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
1,2-Dichlorobenzene	ND		4.9	0.79	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
1,3-Dichlorobenzene	ND		4.9	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
1,4-Dichlorobenzene	ND		4.9	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Dichlorobromomethane	ND		4.9	0.55	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Dichlorodifluoromethane	ND		4.9	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
1,1-Dichloroethane	ND		4.9	0.57	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
1,2-Dichloroethane	ND		4.9	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
1,1-Dichloroethene	ND		4.9	0.84	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
1,2-Dichloropropane	ND		4.9	0.54	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
1,4-Dioxane	ND		990	270	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Ethylbenzene	ND		4.9	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
2-Hexanone	ND		4.9	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Isopropylbenzene	ND		4.9	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Methyl acetate	ND		4.9	0.89	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Methylcyclohexane	ND		4.9	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Methylene Chloride	ND		4.9	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Methyl tert-butyl ether	ND		4.9	0.74	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B81-6-10 (8) **Lab Sample ID: 180-35818-29**
Date Collected: 08/14/14 09:15 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 87.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		9.9	1.5	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
o-Xylene	ND		4.9	0.77	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Styrene	ND		4.9	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Tetrachloroethene	ND		4.9	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Toluene	ND		4.9	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
trans-1,2-Dichloroethene	ND		4.9	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
trans-1,3-Dichloropropene	ND		4.9	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
1,2,3-Trichlorobenzene	ND		4.9	0.83	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
1,2,4-Trichlorobenzene	ND		4.9	0.87	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
1,1,1-Trichloroethane	ND		4.9	0.48	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
1,1,2-Trichloroethane	ND		4.9	0.82	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Trichloroethene	ND		4.9	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Trichlorofluoromethane	ND		4.9	0.91	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1
Vinyl chloride	ND		4.9	0.46	ug/Kg	☼	08/20/14 03:43	08/20/14 12:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 12:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*63 - 120*	*08/20/14 03:43*	*08/20/14 12:15*	*1*
Dibromofluoromethane (Surr)	*105*		*68 - 121*	*08/20/14 03:43*	*08/20/14 12:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*52 - 124*	*08/20/14 03:43*	*08/20/14 12:15*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/20/14 03:43*	*08/20/14 12:15*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	7.3	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Acenaphthylene	ND		76	8.7	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Acetophenone	ND		380	31	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Anthracene	ND		76	7.4	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Atrazine	ND		380	37	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Benzaldehyde	ND	*	380	57	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Benzo[a]anthracene	ND		76	9.5	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Benzo[a]pyrene	ND		76	7.6	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Benzo[b]fluoranthene	ND		76	12	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Benzo[g,h,i]perylene	ND		76	7.6	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Benzo[k]fluoranthene	ND		76	15	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
1,1'-Biphenyl	ND		380	34	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Bis(2-chloroethoxy)methane	ND		380	25	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Bis(2-chloroethyl)ether	ND		76	10	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Bis(2-ethylhexyl) phthalate	ND		760	61	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
4-Bromophenyl phenyl ether	ND		380	33	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Butyl benzyl phthalate	ND		380	52	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Caprolactam	ND		1900	290	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Carbazole	ND		76	7.0	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
4-Chloroaniline	ND		380	30	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
4-Chloro-3-methylphenol	ND		380	35	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
2-Chloronaphthalene	ND		76	7.9	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B81-6-10 (8)
Date Collected: 08/14/14 09:15
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-29
Matrix: Solid
Percent Solids: 87.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		380	31	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
4-Chlorophenyl phenyl ether	ND		380	42	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Chrysene	ND		76	9.0	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Dibenz(a,h)anthracene	ND		76	8.4	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Dibenzofuran	ND		380	37	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
3,3'-Dichlorobenzidine	ND		380	40	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
2,4-Dichlorophenol	ND		76	7.6	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Diethyl phthalate	ND		380	41	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
2,4-Dimethylphenol	ND		380	59	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Dimethyl phthalate	ND		380	41	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Di-n-butyl phthalate	ND		380	48	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
2,6-Dinitrotoluene	ND		380	39	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Di-n-octyl phthalate	ND		380	40	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
1,4-Dioxane	ND		760	44	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Fluoranthene	ND		76	8.1	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Fluorene	ND		76	10	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Hexachlorobenzene	ND		76	8.1	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Hexachlorobutadiene	ND		76	8.5	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Hexachlorocyclopentadiene	ND		380	41	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Hexachloroethane	ND		380	27	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Indeno[1,2,3-cd]pyrene	ND		76	7.8	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Isophorone	ND		380	29	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
2-Methylnaphthalene	ND		76	6.8	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Methylphenol, 3 & 4	ND		380	37	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Naphthalene	ND		76	6.5	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
3-Nitroaniline	ND		1900	160	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Nitrobenzene	ND		760	32	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
2-Nitrophenol	ND		380	42	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
N-Nitrosodi-n-propylamine	ND		76	8.9	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
N-Nitrosodiphenylamine	ND		380	35	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
2,2'-oxybis[1-chloropropane]	ND		76	8.2	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Pentachlorophenol	ND		380	34	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Phenanthrene	ND		76	12	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Phenol	ND		76	9.0	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
Pyrene	ND		76	7.7	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
2,3,4,6-Tetrachlorophenol	ND		380	24	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
2,4,5-Trichlorophenol	ND		380	41	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1
2,4,6-Trichlorophenol	ND		380	57	ug/Kg	☼	08/26/14 19:45	08/29/14 09:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*160*	*T J*	*ug/Kg*	☼	*12.78*		*08/26/14 19:45*	*08/29/14 09:52*	*1*

Client Sample ID: SSHS-B81-6-10 (8)
Date Collected: 08/14/14 09:15
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-29
Matrix: Solid
Percent Solids: 87.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*35 - 105*	*08/26/14 19:45*	*08/29/14 09:52*	*1*
2-Fluorophenol (Surr)	*77*		*39 - 103*	*08/26/14 19:45*	*08/29/14 09:52*	*1*
Nitrobenzene-d5 (Surr)	*96*		*25 - 104*	*08/26/14 19:45*	*08/29/14 09:52*	*1*
Phenol-d5 (Surr)	*84*		*25 - 105*	*08/26/14 19:45*	*08/29/14 09:52*	*1*
Terphenyl-d14 (Surr)	*83*		*25 - 127*	*08/26/14 19:45*	*08/29/14 09:52*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*35 - 124*	*08/26/14 19:45*	*08/29/14 09:52*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.34	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
alpha-BHC	ND		1.9	0.31	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
alpha-Chlordane	ND		1.9	0.38	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
beta-BHC	ND		1.9	0.50	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
4,4'-DDD	ND		1.9	0.25	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
4,4'-DDE	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
4,4'-DDT	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
Dieldrin	ND		1.9	0.32	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
Endosulfan I	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
Endosulfan II	ND		1.9	0.34	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
Endosulfan sulfate	ND		1.9	0.20	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
Endrin	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
Endrin aldehyde	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
Endrin ketone	ND		1.9	0.30	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
gamma-BHC (Lindane)	ND		1.9	0.34	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
gamma-Chlordane	ND		1.9	0.38	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
Heptachlor epoxide	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
Methoxychlor	ND		3.8	0.40	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1
Toxaphene	ND		77	13	ug/Kg	☼	08/26/14 20:50	08/28/14 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 130*	*08/26/14 20:50*	*08/28/14 00:45*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*	*08/26/14 20:50*	*08/28/14 00:45*	*1*
Tetrachloro-m-xylene	*100*		*45 - 130*	*08/26/14 20:50*	*08/28/14 00:45*	*1*
Tetrachloro-m-xylene	*96*		*45 - 130*	*08/26/14 20:50*	*08/28/14 00:45*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/26/14 20:50	08/28/14 09:13	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/26/14 20:50	08/28/14 09:13	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/26/14 20:50	08/28/14 09:13	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/26/14 20:50	08/28/14 09:13	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/26/14 20:50	08/28/14 09:13	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 09:13	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 09:13	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/26/14 20:50	08/28/14 09:13	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/26/14 20:50	08/28/14 09:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*	*08/26/14 20:50*	*08/28/14 09:13*	*1*

Client Sample Results

Client Sample ID: SSHS-B81-6-10 (8)

Lab Sample ID: 180-35818-29
Date Collected: 08/14/14 09:15
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 87.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*	*08/26/14 20:50*	*08/28/14 09:45*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*	*08/26/14 20:50*	*08/28/14 09:13*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*	*08/26/14 20:50*	*08/28/14 09:45*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5800**		24	2.5	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Antimony	ND		1.2	0.24	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Arsenic	**3.8**		1.2	0.37	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Barium	**27**		24	0.015	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Beryllium	**0.30**	**J**	0.48	0.014	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Cadmium	ND		0.60	0.017	mg/Kg	☼	08/21/14 13:03	08/29/14 11:26	1
Calcium	**880**		600	1.8	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Chromium	**7.6**		0.60	0.093	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Cobalt	**5.4**	**J**	6.0	0.050	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Copper	**16**		3.0	0.17	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Iron	**15000**		12	1.1	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Lead	**6.3**		1.2	0.12	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Magnesium	**1700**		600	2.5	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Manganese	**290**		1.8	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Nickel	**12**		4.8	0.057	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Potassium	**610**		600	7.7	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Selenium	**0.55**	**J B**	1.2	0.32	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Silver	ND		0.60	0.049	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Sodium	**94**	**J**	600	1.3	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Thallium	ND		2.4	0.18	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Vanadium	**11**		6.0	0.21	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1
Zinc	**42**	**B**	2.4	0.12	mg/Kg	☼	08/21/14 13:03	08/28/14 13:41	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.037	0.012	mg/Kg	☼	08/27/14 09:12	08/27/14 13:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**87**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	ND		0.58	0.17	mg/Kg	☼	08/23/14 09:00	08/23/14 10:45	1

Client Sample ID: SSHS-B81-10-13.5 (10.5)

Lab Sample ID: 180-35818-30
Date Collected: 08/14/14 09:24
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 89.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	6.4	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Benzene	ND		6.4	0.86	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Bromoform	ND		6.4	0.56	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Bromomethane	ND		6.4	0.94	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
2-Butanone (MEK)	ND		6.4	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1

Client Sample Results

Client Sample ID: SSHS-B81-10-13.5 (10.5) **Lab Sample ID: 180-35818-30**
Date Collected: 08/14/14 09:24 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 89.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		6.4	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Carbon tetrachloride	ND		6.4	0.57	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Chlorobenzene	ND		6.4	0.96	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Chlorobromomethane	ND		6.4	0.88	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Chlorodibromomethane	ND		6.4	0.90	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Chloroethane	ND		6.4	2.0	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Chloroform	ND		6.4	0.74	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Chloromethane	ND		6.4	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
cis-1,2-Dichloroethene	ND		6.4	0.89	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
cis-1,3-Dichloropropene	ND		6.4	0.86	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Cyclohexane	ND		6.4	0.47	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
1,2-Dibromo-3-Chloropropane	ND		6.4	0.95	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
1,2-Dibromoethane	ND		6.4	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
1,2-Dichlorobenzene	ND		6.4	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
1,3-Dichlorobenzene	ND		6.4	0.83	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
1,4-Dichlorobenzene	ND		6.4	0.81	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Dichlorobromomethane	ND		6.4	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Dichlorodifluoromethane	ND		6.4	0.85	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
1,1-Dichloroethane	ND		6.4	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
1,2-Dichloroethane	ND		6.4	0.78	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
1,1-Dichloroethene	ND		6.4	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
1,2-Dichloropropane	ND		6.4	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
1,4-Dioxane	ND		1300	350	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Ethylbenzene	ND		6.4	0.82	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
2-Hexanone	ND		6.4	0.88	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Isopropylbenzene	ND		6.4	0.86	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Methyl acetate	ND		6.4	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Methylcyclohexane	ND		6.4	0.92	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Methylene Chloride	ND		6.4	0.86	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
4-Methyl-2-pentanone (MIBK)	ND		6.4	0.83	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Methyl tert-butyl ether	ND		6.4	0.95	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
m-Xylene & p-Xylene	ND		13	1.9	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
o-Xylene	ND		6.4	0.99	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Styrene	ND		6.4	0.90	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
1,1,2,2-Tetrachloroethane	ND		6.4	0.91	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Tetrachloroethene	ND		6.4	0.87	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Toluene	ND		6.4	0.93	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
trans-1,2-Dichloroethene	ND		6.4	0.76	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
trans-1,3-Dichloropropene	ND		6.4	0.76	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
1,2,3-Trichlorobenzene	ND		6.4	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
1,2,4-Trichlorobenzene	ND		6.4	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
1,1,1-Trichloroethane	ND		6.4	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
1,1,2-Trichloroethane	ND		6.4	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Trichloroethene	ND		6.4	0.84	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Trichlorofluoromethane	ND		6.4	1.2	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.4	1.4	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1
Vinyl chloride	ND		6.4	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 12:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 12:37*	*1*

Client Sample ID: SSHS-B81-10-13.5 (10.5) **Lab Sample ID: 180-35818-30**
Date Collected: 08/14/14 09:24 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 89.4**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/20/14 03:43*	*08/20/14 12:37*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/20/14 03:43*	*08/20/14 12:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*52 - 124*	*08/20/14 03:43*	*08/20/14 12:37*	*1*
Toluene-d8 (Surr)	*100*		*72 - 127*	*08/20/14 03:43*	*08/20/14 12:37*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	7.2	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Acenaphthylene	ND		75	8.6	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Acetophenone	ND		370	31	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Anthracene	ND		75	7.3	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Atrazine	ND		370	36	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Benzaldehyde	ND	*	370	56	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Benzo[a]anthracene	ND		75	9.4	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Benzo[a]pyrene	ND		75	7.5	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Benzo[b]fluoranthene	ND		75	12	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Benzo[g,h,i]perylene	ND		75	7.4	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Benzo[k]fluoranthene	ND		75	15	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Bis(2-ethylhexyl) phthalate	ND		750	60	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Carbazole	ND		75	6.9	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
2-Chloronaphthalene	ND		75	7.8	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Chrysene	ND		75	8.9	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Dibenz(a,h)anthracene	ND		75	8.3	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
2,4-Dichlorophenol	ND		75	7.5	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Fluoranthene	ND		75	8.0	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Fluorene	ND		75	9.8	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Hexachlorobenzene	ND		75	8.0	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Hexachlorobutadiene	ND		75	8.4	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1

Client Sample ID: SSHS-B81-10-13.5 (10.5) **Lab Sample ID: 180-35818-30**

Date Collected: 08/14/14 09:24 **Matrix: Solid**

Date Received: 08/15/14 09:10 **Percent Solids: 89.4**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Indeno[1,2,3-cd]pyrene	ND		75	7.7	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Isophorone	ND		370	28	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
2-Methylnaphthalene	ND		75	6.7	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Naphthalene	ND		75	6.4	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
N-Nitrosodi-n-propylamine	ND		75	8.8	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
2,2'-oxybis[1-chloropropane]	ND		75	8.1	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Phenanthrene	ND		75	12	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Phenol	ND		75	8.8	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
Pyrene	ND		75	7.5	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/26/14 19:45	08/29/14 10:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/26/14 19:45*	*08/29/14 10:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*35 - 105*	*08/26/14 19:45*	*08/29/14 10:21*	*1*
2-Fluorophenol (Surr)	*79*		*39 - 103*	*08/26/14 19:45*	*08/29/14 10:21*	*1*
Nitrobenzene-d5 (Surr)	*96*		*25 - 104*	*08/26/14 19:45*	*08/29/14 10:21*	*1*
Phenol-d5 (Surr)	*83*		*25 - 105*	*08/26/14 19:45*	*08/29/14 10:21*	*1*
Terphenyl-d14 (Surr)	*80*		*25 - 127*	*08/26/14 19:45*	*08/29/14 10:21*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*35 - 124*	*08/26/14 19:45*	*08/29/14 10:21*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1

Client Sample ID: SSHS-B81-10-13.5 (10.5)
Lab Sample ID: 180-35818-30
Date Collected: 08/14/14 09:24
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 89.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
gamma-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1
Toxaphene	ND		75	12	ug/Kg	☼	08/26/14 20:50	08/28/14 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/26/14 20:50*	*08/28/14 01:00*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/26/14 20:50*	*08/28/14 01:00*	*1*
Tetrachloro-m-xylene	*94*		*45 - 130*	*08/26/14 20:50*	*08/28/14 01:00*	*1*
Tetrachloro-m-xylene	*91*		*45 - 130*	*08/26/14 20:50*	*08/28/14 01:00*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/26/14 20:50	08/28/14 09:45	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/26/14 20:50	08/28/14 09:45	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/26/14 20:50	08/28/14 09:45	1
PCB-1242	ND		19	3.0	ug/Kg	☼	08/26/14 20:50	08/28/14 09:45	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/26/14 20:50	08/28/14 09:45	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 09:45	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 09:45	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/26/14 20:50	08/28/14 09:45	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/26/14 20:50	08/28/14 09:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/26/14 20:50*	*08/28/14 09:45*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*	*08/26/14 20:50*	*08/28/14 10:16*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*45 - 135*	*08/26/14 20:50*	*08/28/14 09:45*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*45 - 135*	*08/26/14 20:50*	*08/28/14 10:16*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5700**		22	2.3	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Arsenic	**5.8**		1.1	0.33	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Barium	**37**		22	0.014	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Beryllium	**0.28**	**J**	0.43	0.012	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Cadmium	**0.050**	**J B**	0.54	0.016	mg/Kg	☼	08/21/14 13:03	08/29/14 11:32	1
Calcium	**1200**		540	1.6	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Chromium	**8.1**		0.54	0.084	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Cobalt	**6.7**		5.4	0.045	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Copper	**19**		2.7	0.16	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Iron	**15000**		11	0.96	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Lead	**8.7**		1.1	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Magnesium	**1900**		540	2.2	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1

Client Sample Results

Client Sample ID: SSHS-B81-10-13.5 (10.5)

Lab Sample ID: 180-35818-30

Date Collected: 08/14/14 09:24
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 89.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**710**		1.6	0.097	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Nickel	**14**		4.3	0.052	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Potassium	**520**	**J**	540	6.9	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Selenium	ND		1.1	0.29	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Silver	ND		0.54	0.044	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Sodium	**90**	**J**	540	1.2	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Vanadium	**10**		5.4	0.19	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1
Zinc	**77**	**B**	2.2	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 13:46	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.012	mg/Kg	☼	08/27/14 09:12	08/27/14 13:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**89**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	ND		0.55	0.16	mg/Kg	☼	08/23/14 09:00	08/23/14 10:45	1

Client Sample ID: SSHS-B76-SS

Lab Sample ID: 180-35818-31

Date Collected: 08/14/14 16:39
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 81.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		30	7.4	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Benzene	ND		7.4	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Bromoform	ND		7.4	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Bromomethane	ND		7.4	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
2-Butanone (MEK)	ND		7.4	1.3	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Carbon disulfide	ND		7.4	0.76	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Carbon tetrachloride	ND		7.4	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Chlorobenzene	ND		7.4	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Chlorobromomethane	ND		7.4	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Chlorodibromomethane	ND		7.4	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Chloroethane	ND		7.4	2.3	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Chloroform	ND		7.4	0.87	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Chloromethane	ND		7.4	1.3	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
cis-1,2-Dichloroethene	ND		7.4	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
cis-1,3-Dichloropropene	ND		7.4	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Cyclohexane	ND		7.4	0.55	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
1,2-Dibromo-3-Chloropropane	ND		7.4	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
1,2-Dibromoethane	ND		7.4	1.3	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
1,2-Dichlorobenzene	ND		7.4	1.2	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
1,3-Dichlorobenzene	ND		7.4	0.97	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
1,4-Dichlorobenzene	ND		7.4	0.94	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Dichlorobromomethane	ND		7.4	0.83	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Dichlorodifluoromethane	ND		7.4	0.99	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
1,1-Dichloroethane	ND		7.4	0.85	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1

Client Sample Results

Client Sample ID: SSHS-B76-SS
Date Collected: 08/14/14 16:39
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-31
Matrix: Solid
Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		7.4	0.91	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
1,1-Dichloroethene	ND		7.4	1.3	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
1,2-Dichloropropane	ND		7.4	0.80	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
1,4-Dioxane	ND		1500	410	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Ethylbenzene	ND		7.4	0.95	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
2-Hexanone	ND		7.4	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Isopropylbenzene	ND		7.4	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Methyl acetate	ND		7.4	1.3	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Methylcyclohexane	ND		7.4	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Methylene Chloride	ND		7.4	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
4-Methyl-2-pentanone (MIBK)	ND		7.4	0.97	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Methyl tert-butyl ether	ND		7.4	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
m-Xylene & p-Xylene	ND		15	2.2	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
o-Xylene	ND		7.4	1.2	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Styrene	ND		7.4	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
1,1,2,2-Tetrachloroethane	ND		7.4	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Tetrachloroethene	ND		7.4	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Toluene	ND		7.4	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
trans-1,2-Dichloroethene	ND		7.4	0.88	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
trans-1,3-Dichloropropene	ND		7.4	0.89	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
1,2,3-Trichlorobenzene	ND		7.4	1.3	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
1,2,4-Trichlorobenzene	ND		7.4	1.3	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
1,1,1-Trichloroethane	ND		7.4	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
1,1,2-Trichloroethane	ND		7.4	1.2	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Trichloroethene	ND		7.4	0.97	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Trichlorofluoromethane	ND		7.4	1.4	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.4	1.6	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1
Vinyl chloride	ND		7.4	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 12:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 12:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*	*08/20/14 03:43*	*08/20/14 12:59*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*08/20/14 03:43*	*08/20/14 12:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*	*08/20/14 03:43*	*08/20/14 12:59*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/20/14 03:43*	*08/20/14 12:59*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		82	7.8	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Acenaphthylene	ND		82	9.3	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Acetophenone	ND		400	34	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Anthracene	**20**	**J**	82	8.0	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Atrazine	ND		400	40	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Benzaldehyde	ND	*	400	61	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Benzo[a]anthracene	**110**		82	10	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Benzo[a]pyrene	**120**		82	8.2	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Benzo[b]fluoranthene	**150**		82	13	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Benzo[g,h,i]perylene	**120**		82	8.1	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1

Client Sample Results

Client Sample ID: SSHS-B76-SS
Lab Sample ID: 180-35818-31
Date Collected: 08/14/14 16:39
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 81.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	**73**	**J**	82	16	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
1,1'-Biphenyl	ND		400	36	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Bis(2-chloroethoxy)methane	ND		400	27	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Bis(2-chloroethyl)ether	ND		82	11	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Bis(2-ethylhexyl) phthalate	ND		820	66	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
4-Bromophenyl phenyl ether	ND		400	35	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Butyl benzyl phthalate	ND		400	56	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Caprolactam	ND		2100	310	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Carbazole	ND		82	7.5	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
4-Chloroaniline	ND		400	33	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
4-Chloro-3-methylphenol	ND		400	38	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
2-Chloronaphthalene	ND		82	8.5	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
2-Chlorophenol	ND		400	33	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
4-Chlorophenyl phenyl ether	ND		400	45	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Chrysene	**120**		82	9.7	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Dibenz(a,h)anthracene	ND		82	9.1	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Dibenzofuran	ND		400	40	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
3,3'-Dichlorobenzidine	ND		400	43	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
2,4-Dichlorophenol	ND		82	8.2	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Diethyl phthalate	ND		400	45	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
2,4-Dimethylphenol	ND		400	64	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Dimethyl phthalate	ND		400	44	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Di-n-butyl phthalate	ND		400	51	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
4,6-Dinitro-2-methylphenol	ND		2100	160	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
2,4-Dinitrophenol	ND		2100	490	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
2,4-Dinitrotoluene	ND		400	33	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
2,6-Dinitrotoluene	ND		400	42	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Di-n-octyl phthalate	ND		400	43	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
1,4-Dioxane	ND		820	47	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Fluoranthene	**210**		82	8.7	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Fluorene	ND		82	11	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Hexachlorobenzene	ND		82	8.7	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Hexachlorobutadiene	ND		82	9.1	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Hexachlorocyclopentadiene	ND		400	44	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Hexachloroethane	ND		400	29	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Indeno[1,2,3-cd]pyrene	**98**		82	8.4	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Isophorone	ND		400	31	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
2-Methylnaphthalene	**18**	**J**	82	7.3	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
2-Methylphenol	ND		400	29	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Methylphenol, 3 & 4	ND		400	40	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Naphthalene	**51**	**J**	82	7.0	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
2-Nitroaniline	ND		2100	180	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
3-Nitroaniline	ND		2100	170	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
4-Nitroaniline	ND		2100	170	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Nitrobenzene	ND		820	34	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
2-Nitrophenol	ND		400	45	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
4-Nitrophenol	ND		2100	150	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
N-Nitrosodi-n-propylamine	**2000**		82	9.6	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
N-Nitrosodiphenylamine	ND		400	38	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1

Client Sample Results

Client Sample ID: SSHS-B76-SS

Lab Sample ID: 180-35818-31

Date Collected: 08/14/14 16:39
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 81.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		82	8.8	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Pentachlorophenol	ND		400	36	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Phenanthrene	**66**	**J**	82	13	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Phenol	ND		82	9.6	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
Pyrene	**180**		82	8.2	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
1,2,4,5-Tetrachlorobenzene	ND		400	31	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
2,3,4,6-Tetrachlorophenol	ND		400	26	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
2,4,5-Trichlorophenol	ND		400	44	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1
2,4,6-Trichlorophenol	ND		400	61	ug/Kg	☼	08/26/14 19:45	08/28/14 05:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*590*	*T J*	*ug/Kg*	☼	*15.75*		*08/26/14 19:45*	*08/28/14 05:30*	*1*
Unknown	*2700*	*T J*	*ug/Kg*	☼	*15.92*		*08/26/14 19:45*	*08/28/14 05:30*	*1*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*16.34*		*08/26/14 19:45*	*08/28/14 05:30*	*1*
Unknown	*540*	*T J*	*ug/Kg*	☼	*16.44*		*08/26/14 19:45*	*08/28/14 05:30*	*1*
Unknown	*330*	*T J*	*ug/Kg*	☼	*16.45*		*08/26/14 19:45*	*08/28/14 05:30*	*1*
Unknown	*470*	*T J*	*ug/Kg*	☼	*16.49*		*08/26/14 19:45*	*08/28/14 05:30*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*16.54*		*08/26/14 19:45*	*08/28/14 05:30*	*1*
Unknown	*930*	*T J*	*ug/Kg*	☼	*17.16*		*08/26/14 19:45*	*08/28/14 05:30*	*1*
Bicyclo[10.8.0]eicosane, (Z)-	*3700*	*T J N*	*ug/Kg*	☼	*17.41*	*1000155-82-2*	*08/26/14 19:45*	*08/28/14 05:30*	*1*
Unknown	*1700*	*T J*	*ug/Kg*	☼	*17.82*		*08/26/14 19:45*	*08/28/14 05:30*	*1*
Unknown	*670*	*T J*	*ug/Kg*	☼	*18.34*		*08/26/14 19:45*	*08/28/14 05:30*	*1*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*18.36*		*08/26/14 19:45*	*08/28/14 05:30*	*1*
Unknown	*2100*	*T J*	*ug/Kg*	☼	*18.96*		*08/26/14 19:45*	*08/28/14 05:30*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*19.38*		*08/26/14 19:45*	*08/28/14 05:30*	*1*
Unknown	*950*	*T J*	*ug/Kg*	☼	*20.84*		*08/26/14 19:45*	*08/28/14 05:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*35 - 105*	*08/26/14 19:45*	*08/28/14 05:30*	*1*
2-Fluorophenol (Surr)	*89*		*39 - 103*	*08/26/14 19:45*	*08/28/14 05:30*	*1*
Nitrobenzene-d5 (Surr)	*101*		*25 - 104*	*08/26/14 19:45*	*08/28/14 05:30*	*1*
Phenol-d5 (Surr)	*96*		*25 - 105*	*08/26/14 19:45*	*08/28/14 05:30*	*1*
Terphenyl-d14 (Surr)	*79*		*25 - 127*	*08/26/14 19:45*	*08/28/14 05:30*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*35 - 124*	*08/26/14 19:45*	*08/28/14 05:30*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**1.1**	**J p**	2.1	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
alpha-BHC	ND		2.1	0.33	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
alpha-Chlordane	ND		2.1	0.40	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
beta-BHC	ND		2.1	0.52	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
4,4'-DDD	**0.76**	**J p**	2.1	0.26	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
4,4'-DDE	ND		2.1	0.30	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
4,4'-DDT	**5.3**		2.1	0.30	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
delta-BHC	**1.5**	**J**	2.1	0.31	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
Dieldrin	**1.2**	**J**	2.1	0.34	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
Endosulfan I	ND		2.1	0.38	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
Endosulfan II	ND		2.1	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
Endosulfan sulfate	**0.79**	**J p**	2.1	0.21	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1

Client Sample ID: SSHS-B76-SS
Date Collected: 08/14/14 16:39
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-31
Matrix: Solid
Percent Solids: 81.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	**3.1**	**p**	2.1	0.39	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
Endrin aldehyde	ND		2.1	0.39	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
Endrin ketone	**1.0**	**J p**	2.1	0.31	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
gamma-BHC (Lindane)	ND		2.1	0.35	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
gamma-Chlordane	**1.7**	**J p**	2.1	0.40	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
Heptachlor	**1.3**	**J p**	2.1	0.45	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
Heptachlor epoxide	**3.3**	**p**	2.1	0.39	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
Methoxychlor	**3.3**	**J p**	4.0	0.42	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1
Toxaphene	ND		81	13	ug/Kg	☼	08/26/14 20:50	08/28/14 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/26/14 20:50*	*08/28/14 01:16*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/26/14 20:50*	*08/28/14 01:16*	*1*
Tetrachloro-m-xylene	*87*		*45 - 130*	*08/26/14 20:50*	*08/28/14 01:16*	*1*
Tetrachloro-m-xylene	*80*		*45 - 130*	*08/26/14 20:50*	*08/28/14 01:16*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	3.0	ug/Kg	☼	08/26/14 20:50	08/28/14 10:48	1
PCB-1221	ND		20	3.8	ug/Kg	☼	08/26/14 20:50	08/28/14 10:48	1
PCB-1232	ND		20	3.4	ug/Kg	☼	08/26/14 20:50	08/28/14 10:48	1
PCB-1242	ND		20	3.3	ug/Kg	☼	08/26/14 20:50	08/28/14 10:48	1
PCB-1248	**300**		20	1.9	ug/Kg	☼	08/26/14 20:50	08/28/14 10:48	1
PCB-1254	ND		20	2.9	ug/Kg	☼	08/26/14 20:50	08/28/14 10:48	1
PCB-1260	**52**		20	2.9	ug/Kg	☼	08/26/14 20:50	08/28/14 10:48	1
PCB-1262	ND		20	4.4	ug/Kg	☼	08/26/14 20:50	08/28/14 10:48	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 10:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 125*	*08/26/14 20:50*	*08/28/14 10:16*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 125*	*08/26/14 20:50*	*08/28/14 10:48*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*	*08/26/14 20:50*	*08/28/14 10:16*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*45 - 135*	*08/26/14 20:50*	*08/28/14 10:48*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8400**		24	2.5	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Antimony	ND		1.2	0.24	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Arsenic	**7.3**		1.2	0.36	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Barium	**81**		24	0.015	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Beryllium	**0.45**	**J**	0.47	0.013	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Cadmium	ND		0.59	0.017	mg/Kg	☼	08/21/14 13:03	08/29/14 11:37	1
Calcium	**7000**		590	1.8	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Chromium	**11**		0.59	0.092	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Cobalt	**7.5**		5.9	0.050	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Copper	**18**		3.0	0.17	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Iron	**19000**		12	1.1	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Lead	**14**		1.2	0.12	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Magnesium	**3400**		590	2.5	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Manganese	**490**		1.8	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B76-SS Lab Sample ID: 180-35818-31

Date Collected: 08/14/14 16:39 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 81.8**

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**16**		4.7	0.056	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Potassium	**840**		590	7.6	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Selenium	**0.44**	**J B**	1.2	0.32	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Silver	ND		0.59	0.048	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Sodium	**37**	**J**	590	1.3	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Thallium	ND		2.4	0.17	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Vanadium	**12**		5.9	0.21	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1
Zinc	**69**	**B**	2.4	0.12	mg/Kg	☼	08/21/14 13:03	08/28/14 13:52	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.041**		0.040	0.013	mg/Kg	☼	08/27/14 09:12	08/27/14 13:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**82**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	ND		0.62	0.18	mg/Kg	☼	08/23/14 09:00	08/23/14 10:45	1

Client Sample ID: SSHS-B76-0.17-2 (1.5) Lab Sample ID: 180-35818-32

Date Collected: 08/14/14 16:41 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 89.5**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.7	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Benzene	ND		4.7	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Bromoform	ND		4.7	0.42	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Bromomethane	ND		4.7	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
2-Butanone (MEK)	ND		4.7	0.83	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Carbon disulfide	ND		4.7	0.48	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Carbon tetrachloride	ND		4.7	0.42	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Chlorobenzene	ND		4.7	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Chlorobromomethane	ND		4.7	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Chlorodibromomethane	ND		4.7	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Chloroethane	ND		4.7	1.5	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Chloroform	ND		4.7	0.55	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Chloromethane	ND		4.7	0.80	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
cis-1,2-Dichloroethene	ND		4.7	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
cis-1,3-Dichloropropene	ND		4.7	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Cyclohexane	ND		4.7	0.35	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
1,2-Dibromo-3-Chloropropane	ND		4.7	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
1,2-Dibromoethane	ND		4.7	0.81	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
1,2-Dichlorobenzene	ND		4.7	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
1,3-Dichlorobenzene	ND		4.7	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
1,4-Dichlorobenzene	ND		4.7	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Dichlorobromomethane	ND		4.7	0.53	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Dichlorodifluoromethane	ND		4.7	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
1,1-Dichloroethane	ND		4.7	0.54	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
1,2-Dichloroethane	ND		4.7	0.58	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1

Client Sample Results

Client Sample ID: SSHS-B76-0.17-2 (1.5)
Date Collected: 08/14/14 16:41
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-32
Matrix: Solid
Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		4.7	0.80	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
1,2-Dichloropropane	ND		4.7	0.51	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
1,4-Dioxane	ND		940	260	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Ethylbenzene	ND		4.7	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
2-Hexanone	ND		4.7	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Isopropylbenzene	ND		4.7	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Methyl acetate	ND		4.7	0.85	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Methylcyclohexane	ND		4.7	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Methylene Chloride	ND		4.7	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Methyl tert-butyl ether	ND		4.7	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
m-Xylene & p-Xylene	ND		9.4	1.4	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
o-Xylene	ND		4.7	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Styrene	ND		4.7	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Tetrachloroethene	ND		4.7	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Toluene	ND		4.7	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
trans-1,2-Dichloroethene	ND		4.7	0.56	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
trans-1,3-Dichloropropene	ND		4.7	0.56	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
1,2,3-Trichlorobenzene	ND		4.7	0.80	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
1,2,4-Trichlorobenzene	ND		4.7	0.83	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
1,1,1-Trichloroethane	ND		4.7	0.46	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
1,1,2-Trichloroethane	ND		4.7	0.78	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Trichloroethene	ND		4.7	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Trichlorofluoromethane	ND		4.7	0.87	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1
Vinyl chloride	ND		4.7	0.44	ug/Kg	☼	08/20/14 03:43	08/20/14 13:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 13:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/20/14 03:43*	*08/20/14 13:21*	*1*
Dibromofluoromethane (Surr)	*110*		*68 - 121*	*08/20/14 03:43*	*08/20/14 13:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*52 - 124*	*08/20/14 03:43*	*08/20/14 13:21*	*1*
Toluene-d8 (Surr)	*105*		*72 - 127*	*08/20/14 03:43*	*08/20/14 13:21*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	7.2	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Acenaphthylene	ND		75	8.5	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Acetophenone	ND		370	31	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Anthracene	**91**		75	7.3	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Atrazine	ND		370	36	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Benzaldehyde	ND	*	370	56	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Benzo[a]anthracene	**220**		75	9.3	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Benzo[a]pyrene	**170**		75	7.5	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Benzo[b]fluoranthene	**210**		75	12	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Benzo[g,h,i]perylene	**110**		75	7.4	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Benzo[k]fluoranthene	**81**		75	15	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B76-0.17-2 (1.5) **Lab Sample ID: 180-35818-32**
Date Collected: 08/14/14 16:41 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 89.5**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Bis(2-ethylhexyl) phthalate	ND		750	60	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Carbazole	**44**	**J**	75	6.9	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
2-Chloronaphthalene	ND		75	7.8	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
2-Chlorophenol	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Chrysene	**180**		75	8.9	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Dibenz(a,h)anthracene	ND		75	8.3	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
2,4-Dichlorophenol	ND		75	7.5	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Fluoranthene	**510**		75	8.0	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Fluorene	**19**	**J**	75	9.8	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Hexachlorobenzene	ND		75	7.9	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Hexachlorobutadiene	ND		75	8.3	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Indeno[1,2,3-cd]pyrene	**110**		75	7.7	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Isophorone	ND		370	28	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
2-Methylnaphthalene	**7.4**	**J**	75	6.7	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Methylphenol, 3 & 4	ND		370	36	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Naphthalene	**32**	**J**	75	6.4	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
N-Nitrosodi-n-propylamine	ND		75	8.7	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
2,2'-oxybis[1-chloropropane]	ND		75	8.0	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1

Client Sample ID: SSHS-B76-0.17-2 (1.5) **Lab Sample ID: 180-35818-32**
Date Collected: 08/14/14 16:41 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 89.5**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Phenanthrene	**450**		75	12	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Phenol	ND		75	8.8	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
Pyrene	**420**		75	7.5	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/26/14 19:45	08/29/14 10:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/26/14 19:45*	*08/29/14 10:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*35 - 105*	*08/26/14 19:45*	*08/29/14 10:49*	*1*
2-Fluorophenol (Surr)	*85*		*39 - 103*	*08/26/14 19:45*	*08/29/14 10:49*	*1*
Nitrobenzene-d5 (Surr)	*103*		*25 - 104*	*08/26/14 19:45*	*08/29/14 10:49*	*1*
Phenol-d5 (Surr)	*89*		*25 - 105*	*08/26/14 19:45*	*08/29/14 10:49*	*1*
Terphenyl-d14 (Surr)	*74*		*25 - 127*	*08/26/14 19:45*	*08/29/14 10:49*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*35 - 124*	*08/26/14 19:45*	*08/29/14 10:49*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**1.9**	**p**	1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
4,4'-DDD	**0.42**	**J p**	1.9	0.24	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
4,4'-DDT	**6.5**		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
delta-BHC	**1.3**	**J**	1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
Endosulfan I	**0.62**	**J**	1.9	0.35	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
Endosulfan sulfate	**1.0**	**J p**	1.9	0.19	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
Endrin	**3.6**	**p**	1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
gamma-Chlordane	**4.1**	**p**	1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
Heptachlor epoxide	**5.5**	**p**	1.9	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
Methoxychlor	**3.1**	**J p**	3.7	0.39	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1
Toxaphene	ND		75	12	ug/Kg	☼	08/26/14 20:50	08/28/14 01:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/26/14 20:50*	*08/28/14 01:31*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*08/26/14 20:50*	*08/28/14 01:31*	*1*
Tetrachloro-m-xylene	*91*		*45 - 130*	*08/26/14 20:50*	*08/28/14 01:31*	*1*
Tetrachloro-m-xylene	*84*		*45 - 130*	*08/26/14 20:50*	*08/28/14 01:31*	*1*

Client Sample Results

Client Sample ID: SSHS-B76-0.17-2 (1.5)
Date Collected: 08/14/14 16:41
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-32
Matrix: Solid
Percent Solids: 89.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/26/14 20:50	08/28/14 11:19	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/26/14 20:50	08/28/14 11:19	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/26/14 20:50	08/28/14 11:19	1
PCB-1242	ND		19	3.0	ug/Kg	☼	08/26/14 20:50	08/28/14 11:19	1
PCB-1248	**470**		19	1.8	ug/Kg	☼	08/26/14 20:50	08/28/14 11:19	1
PCB-1254	ND		19	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 11:19	1
PCB-1260	**60**		19	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 11:19	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/26/14 20:50	08/28/14 11:19	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/26/14 20:50	08/28/14 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/26/14 20:50*	*08/28/14 10:48*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/26/14 20:50*	*08/28/14 11:19*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*45 - 135*	*08/26/14 20:50*	*08/28/14 10:48*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*	*08/26/14 20:50*	*08/28/14 11:19*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8700**		23	2.4	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Antimony	ND		1.2	0.23	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Arsenic	**7.7**		1.2	0.35	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Barium	**58**		23	0.015	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Beryllium	**0.40**	**J**	0.46	0.013	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Cadmium	ND		0.58	0.016	mg/Kg	☼	08/21/14 13:03	08/29/14 11:42	1
Calcium	**11000**		580	1.7	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Chromium	**11**		0.58	0.089	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Cobalt	**7.0**		5.8	0.048	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Copper	**20**		2.9	0.17	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Iron	**18000**		12	1.0	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Lead	**14**		1.2	0.12	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Magnesium	**3200**		580	2.4	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Manganese	**390**		1.7	0.10	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Nickel	**17**		4.6	0.055	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Potassium	**650**		580	7.4	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Selenium	ND		1.2	0.31	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Silver	ND		0.58	0.047	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Sodium	**48**	**J**	580	1.2	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Vanadium	**15**		5.8	0.20	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1
Zinc	**56**	**B**	2.3	0.12	mg/Kg	☼	08/21/14 13:03	08/28/14 13:57	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.042**		0.036	0.012	mg/Kg	☼	08/27/14 09:12	08/27/14 13:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**89**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	ND		0.56	0.16	mg/Kg	☼	08/23/14 09:00	08/23/14 10:53	1

Client Sample ID: SSHS-B76-2-6 (5) **Lab Sample ID: 180-35818-33**
Date Collected: 08/14/14 16:43 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 88.4**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Benzene	ND		5.0	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Bromoform	ND		5.0	0.44	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Bromomethane	ND		5.0	0.74	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
2-Butanone (MEK)	ND		5.0	0.89	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Carbon disulfide	ND		5.0	0.51	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Chlorobenzene	ND		5.0	0.76	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Chloroethane	ND		5.0	1.6	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Chloroform	ND		5.0	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Chloromethane	ND		5.0	0.86	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
cis-1,2-Dichloroethene	ND		5.0	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Cyclohexane	ND		5.0	0.37	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
1,2-Dibromoethane	ND		5.0	0.87	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
1,2-Dichloroethane	ND		5.0	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
1,2-Dichloropropane	ND		5.0	0.55	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
1,4-Dioxane	ND		1000	280	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Ethylbenzene	ND		5.0	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
2-Hexanone	ND		5.0	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Methyl acetate	ND		5.0	0.91	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Methylene Chloride	ND		5.0	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
o-Xylene	ND		5.0	0.78	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Styrene	ND		5.0	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Toluene	ND		5.0	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
1,2,3-Trichlorobenzene	ND		5.0	0.85	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
1,2,4-Trichlorobenzene	ND		5.0	0.89	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
1,1,2-Trichloroethane	ND		5.0	0.84	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Trichloroethene	ND		5.0	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1

Client Sample ID: SSHS-B76-2-6 (5)
Lab Sample ID: 180-35818-33
Date Collected: 08/14/14 16:43
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1
Vinyl chloride	ND		5.0	0.47	ug/Kg	☼	08/20/14 03:43	08/20/14 13:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 13:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*63 - 120*	*08/20/14 03:43*	*08/20/14 13:43*	*1*
Dibromofluoromethane (Surr)	*97*		*68 - 121*	*08/20/14 03:43*	*08/20/14 13:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*52 - 124*	*08/20/14 03:43*	*08/20/14 13:43*	*1*
Toluene-d8 (Surr)	*93*		*72 - 127*	*08/20/14 03:43*	*08/20/14 13:43*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	7.2	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Acenaphthylene	ND		76	8.6	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Acetophenone	ND		370	31	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Anthracene	ND		76	7.4	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Atrazine	ND		370	37	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Benzaldehyde	ND	*	370	57	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Benzo[a]anthracene	ND		76	9.5	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Benzo[a]pyrene	ND		76	7.6	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Benzo[b]fluoranthene	ND		76	12	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Benzo[g,h,i]perylene	ND		76	7.5	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Benzo[k]fluoranthene	ND		76	15	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
1,1'-Biphenyl	ND		370	34	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Bis(2-chloroethyl)ether	ND		76	10	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Bis(2-ethylhexyl) phthalate	ND		760	61	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
4-Bromophenyl phenyl ether	ND		370	33	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Butyl benzyl phthalate	ND		370	52	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Carbazole	ND		76	7.0	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
4-Chloro-3-methylphenol	ND		370	35	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
2-Chloronaphthalene	ND		76	7.9	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
4-Chlorophenyl phenyl ether	ND		370	42	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Chrysene	ND		76	9.0	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Dibenz(a,h)anthracene	ND		76	8.4	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
3,3'-Dichlorobenzidine	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
2,4-Dichlorophenol	ND		76	7.6	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
2,4-Dimethylphenol	ND		370	59	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1

Client Sample ID: SSHS-B76-2-6 (5)
Lab Sample ID: 180-35818-33
Date Collected: 08/14/14 16:43
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Di-n-octyl phthalate	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
1,4-Dioxane	ND		760	43	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Fluoranthene	ND		76	8.1	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Fluorene	ND		76	9.9	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Hexachlorobenzene	ND		76	8.0	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Hexachlorobutadiene	ND		76	8.4	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Hexachlorocyclopentadiene	ND		370	41	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Indeno[1,2,3-cd]pyrene	ND		76	7.8	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Isophorone	ND		370	28	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
2-Methylnaphthalene	ND		76	6.8	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Naphthalene	ND		76	6.5	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
3-Nitroaniline	ND		1900	160	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Nitrobenzene	ND		760	31	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
2-Nitrophenol	ND		370	42	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
N-Nitrosodi-n-propylamine	ND		76	8.9	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
2,2'-oxybis[1-chloropropane]	ND		76	8.1	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Pentachlorophenol	ND		370	34	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Phenanthrene	ND		76	12	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Phenol	ND		76	8.9	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
Pyrene	ND		76	7.6	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
1,2,4,5-Tetrachlorobenzene	ND		370	29	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/26/14 19:45	08/29/14 11:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/26/14 19:45*	*08/29/14 11:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*35 - 105*	*08/26/14 19:45*	*08/29/14 11:18*	*1*
2-Fluorophenol (Surr)	*73*		*39 - 103*	*08/26/14 19:45*	*08/29/14 11:18*	*1*
Nitrobenzene-d5 (Surr)	*96*		*25 - 104*	*08/26/14 19:45*	*08/29/14 11:18*	*1*
Phenol-d5 (Surr)	*81*		*25 - 105*	*08/26/14 19:45*	*08/29/14 11:18*	*1*
Terphenyl-d14 (Surr)	*78*		*25 - 127*	*08/26/14 19:45*	*08/29/14 11:18*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*35 - 124*	*08/26/14 19:45*	*08/29/14 11:18*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.34	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
alpha-BHC	ND		1.9	0.31	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1

Client Sample Results

Client Sample ID: SSHS-B76-2-6 (5)

Date Collected: 08/14/14 16:43
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-33

Matrix: Solid
Percent Solids: 88.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.9	0.49	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
4,4'-DDD	ND		1.9	0.25	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
Endosulfan sulfate	ND		1.9	0.20	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
Endrin	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
Endrin aldehyde	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
gamma-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
Heptachlor epoxide	ND		1.9	0.37	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1
Toxaphene	ND		76	13	ug/Kg	☼	08/26/14 20:50	08/28/14 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*	*08/26/14 20:50*	*08/28/14 01:47*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/26/14 20:50*	*08/28/14 01:47*	*1*
Tetrachloro-m-xylene	*104*		*45 - 130*	*08/26/14 20:50*	*08/28/14 01:47*	*1*
Tetrachloro-m-xylene	*98*		*45 - 130*	*08/26/14 20:50*	*08/28/14 01:47*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/26/14 20:50	08/28/14 11:19	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/26/14 20:50	08/28/14 11:19	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/26/14 20:50	08/28/14 11:19	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/26/14 20:50	08/28/14 11:19	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/26/14 20:50	08/28/14 11:19	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 11:19	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 11:19	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/26/14 20:50	08/28/14 11:19	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/26/14 20:50	08/28/14 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/26/14 20:50*	*08/28/14 11:19*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/26/14 20:50*	*08/28/14 11:51*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*45 - 135*	*08/26/14 20:50*	*08/28/14 11:19*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*45 - 135*	*08/26/14 20:50*	*08/28/14 11:51*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6300**		21	2.2	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Antimony	ND		1.0	0.21	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Arsenic	**6.7**		1.0	0.32	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Barium	**33**		21	0.013	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Beryllium	**0.32**	**J**	0.42	0.012	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1

Client Sample ID: SSHS-B76-2-6 (5)

Lab Sample ID: 180-35818-33
Date Collected: 08/14/14 16:43
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.52	0.015	mg/Kg	☼	08/21/14 13:03	08/29/14 11:47	1
Calcium	**1300**		520	1.6	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Chromium	**8.3**		0.52	0.081	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Cobalt	**5.7**		5.2	0.044	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Copper	**17**		2.6	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Iron	**15000**		10	0.93	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Lead	**7.4**		1.0	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Magnesium	**1900**		520	2.2	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Manganese	**320**		1.6	0.093	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Nickel	**13**		4.2	0.050	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Potassium	**580**		520	6.7	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Selenium	**0.31**	**J B**	1.0	0.28	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Sodium	**30**	**J**	520	1.1	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Vanadium	**11**		5.2	0.18	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1
Zinc	**46**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 14:13	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.017**	**J**	0.037	0.012	mg/Kg	☼	08/27/14 09:12	08/27/14 13:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**88**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	ND		0.58	0.17	mg/Kg	☼	08/23/14 09:00	08/23/14 10:53	1

Client Sample ID: SSHS-B76-6-10 (8)

Lab Sample ID: 180-35818-34
Date Collected: 08/14/14 16:56
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 94.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	5.1	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Benzene	ND		5.1	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Bromoform	ND		5.1	0.45	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Bromomethane	ND		5.1	0.76	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
2-Butanone (MEK)	ND		5.1	0.91	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Carbon disulfide	ND		5.1	0.53	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Carbon tetrachloride	ND		5.1	0.46	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Chlorobenzene	ND		5.1	0.78	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Chlorobromomethane	ND		5.1	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Chlorodibromomethane	ND		5.1	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Chloroethane	ND		5.1	1.6	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Chloroform	ND		5.1	0.60	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Chloromethane	ND		5.1	0.88	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
cis-1,2-Dichloroethene	ND		5.1	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
cis-1,3-Dichloropropene	ND		5.1	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Cyclohexane	ND		5.1	0.38	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1

Client Sample Results

Client Sample ID: SSHS-B76-6-10 (8) Lab Sample ID: 180-35818-34

Date Collected: 08/14/14 16:56 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 94.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.1	0.77	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
1,2-Dibromoethane	ND		5.1	0.89	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
1,2-Dichlorobenzene	ND		5.1	0.82	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
1,3-Dichlorobenzene	ND		5.1	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
1,4-Dichlorobenzene	ND		5.1	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Dichlorobromomethane	ND		5.1	0.58	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Dichlorodifluoromethane	ND		5.1	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
1,1-Dichloroethane	ND		5.1	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
1,2-Dichloroethane	ND		5.1	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
1,1-Dichloroethene	ND		5.1	0.87	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
1,2-Dichloropropane	ND		5.1	0.56	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
1,4-Dioxane	ND		1000	280	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Ethylbenzene	ND		5.1	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
2-Hexanone	ND		5.1	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Isopropylbenzene	ND		5.1	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Methyl acetate	ND		5.1	0.93	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Methylcyclohexane	ND		5.1	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Methylene Chloride	ND		5.1	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Methyl tert-butyl ether	ND		5.1	0.77	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
o-Xylene	ND		5.1	0.80	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Styrene	ND		5.1	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
1,1,2,2-Tetrachloroethane	ND		5.1	0.74	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Tetrachloroethene	ND		5.1	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Toluene	ND		5.1	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
trans-1,2-Dichloroethene	ND		5.1	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
trans-1,3-Dichloropropene	ND		5.1	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
1,2,3-Trichlorobenzene	ND		5.1	0.87	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
1,2,4-Trichlorobenzene	ND		5.1	0.91	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
1,1,1-Trichloroethane	ND		5.1	0.50	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
1,1,2-Trichloroethane	ND		5.1	0.85	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Trichloroethene	ND		5.1	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Trichlorofluoromethane	ND		5.1	0.94	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1
Vinyl chloride	ND		5.1	0.48	ug/Kg	☼	08/20/14 03:43	08/20/14 14:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 14:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*63 - 120*	*08/20/14 03:43*	*08/20/14 14:05*	*1*
Dibromofluoromethane (Surr)	*98*		*68 - 121*	*08/20/14 03:43*	*08/20/14 14:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*52 - 124*	*08/20/14 03:43*	*08/20/14 14:05*	*1*
Toluene-d8 (Surr)	*99*		*72 - 127*	*08/20/14 03:43*	*08/20/14 14:05*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	6.7	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Acenaphthylene	ND		70	8.0	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1

Client Sample ID: SSHS-B76-6-10 (8)
Lab Sample ID: 180-35818-34
Date Collected: 08/14/14 16:56
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 94.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Anthracene	ND		70	6.8	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Atrazine	ND		350	34	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Benzaldehyde	ND	*	350	52	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Benzo[a]anthracene	ND		70	8.8	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Benzo[a]pyrene	ND		70	7.0	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Benzo[b]fluoranthene	ND		70	11	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Benzo[g,h,i]perylene	ND		70	7.0	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Benzo[k]fluoranthene	ND		70	14	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
1,1'-Biphenyl	ND		350	31	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Bis(2-chloroethyl)ether	ND		70	9.4	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Bis(2-ethylhexyl) phthalate	ND		700	56	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
4-Bromophenyl phenyl ether	ND		350	30	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Caprolactam	ND		1800	260	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Carbazole	ND		70	6.4	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
4-Chloro-3-methylphenol	ND		350	32	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
2-Chloronaphthalene	ND		70	7.3	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Chrysene	ND		70	8.3	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Dibenz(a,h)anthracene	ND		70	7.8	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Dibenzofuran	ND		350	34	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
2,4-Dichlorophenol	ND		70	7.0	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Diethyl phthalate	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Dimethyl phthalate	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
2,4-Dinitrotoluene	ND		350	28	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
2,6-Dinitrotoluene	ND		350	36	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
1,4-Dioxane	ND		700	40	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Fluoranthene	ND		70	7.5	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Fluorene	ND		70	9.2	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Hexachlorobenzene	ND		70	7.4	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Hexachlorobutadiene	ND		70	7.8	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Indeno[1,2,3-cd]pyrene	ND		70	7.2	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Isophorone	ND		350	26	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
2-Methylnaphthalene	ND		70	6.3	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
2-Methylphenol	ND		350	24	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Methylphenol, 3 & 4	ND		350	34	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Naphthalene	ND		70	6.0	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1

Client Sample Results

Client: Geosyntec Consultants, Inc.

TestAmerica Job ID: 180-35818-1

Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B76-6-10 (8)

Lab Sample ID: 180-35818-34

Date Collected: 08/14/14 16:56

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 94.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
3-Nitroaniline	ND		1800	140	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Nitrobenzene	ND		700	29	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
N-Nitrosodi-n-propylamine	ND		70	8.2	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
N-Nitrosodiphenylamine	ND		350	32	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
2,2'-oxybis[1-chloropropane]	ND		70	7.5	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Pentachlorophenol	ND		350	31	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Phenanthrene	ND		70	11	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Phenol	ND		70	8.3	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
Pyrene	ND		70	7.1	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
1,2,4,5-Tetrachlorobenzene	ND		350	26	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
2,3,4,6-Tetrachlorophenol	ND		350	22	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
2,4,5-Trichlorophenol	ND		350	37	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1
2,4,6-Trichlorophenol	ND		350	52	ug/Kg	☼	08/26/14 19:45	08/28/14 06:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5300*	*T J*	*ug/Kg*	☼	*2.39*		*08/26/14 19:45*	*08/28/14 06:55*	*1*
Unknown	*380*	*T J*	*ug/Kg*	☼	*12.78*		*08/26/14 19:45*	*08/28/14 06:55*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*12.83*		*08/26/14 19:45*	*08/28/14 06:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*35 - 105*	*08/26/14 19:45*	*08/28/14 06:55*	*1*
2-Fluorophenol (Surr)	*80*		*39 - 103*	*08/26/14 19:45*	*08/28/14 06:55*	*1*
Nitrobenzene-d5 (Surr)	*93*		*25 - 104*	*08/26/14 19:45*	*08/28/14 06:55*	*1*
Phenol-d5 (Surr)	*87*		*25 - 105*	*08/26/14 19:45*	*08/28/14 06:55*	*1*
Terphenyl-d14 (Surr)	*71*		*25 - 127*	*08/26/14 19:45*	*08/28/14 06:55*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*35 - 124*	*08/26/14 19:45*	*08/28/14 06:55*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1

Client Sample Results

Client Sample ID: SSHS-B76-6-10 (8)
Lab Sample ID: 180-35818-34
Date Collected: 08/14/14 16:56
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 94.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1
Toxaphene	ND		71	12	ug/Kg	☼	08/26/14 20:50	08/28/14 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/26/14 20:50*	*08/28/14 02:02*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*08/26/14 20:50*	*08/28/14 02:02*	*1*
Tetrachloro-m-xylene	*96*		*45 - 130*	*08/26/14 20:50*	*08/28/14 02:02*	*1*
Tetrachloro-m-xylene	*94*		*45 - 130*	*08/26/14 20:50*	*08/28/14 02:02*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 11:51	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/26/14 20:50	08/28/14 11:51	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/26/14 20:50	08/28/14 11:51	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/26/14 20:50	08/28/14 11:51	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/26/14 20:50	08/28/14 11:51	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/26/14 20:50	08/28/14 11:51	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/26/14 20:50	08/28/14 11:51	1
PCB-1262	ND		18	3.8	ug/Kg	☼	08/26/14 20:50	08/28/14 11:51	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/26/14 20:50	08/28/14 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/26/14 20:50*	*08/28/14 11:51*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/26/14 20:50*	*08/28/14 12:23*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*	*08/26/14 20:50*	*08/28/14 11:51*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*	*08/26/14 20:50*	*08/28/14 12:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4400**		21	2.2	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Antimony	**0.29**	**J**	1.1	0.21	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Arsenic	**3.2**		1.1	0.32	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Barium	**28**		21	0.014	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Beryllium	**0.17**	**J**	0.42	0.012	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Cadmium	ND		0.53	0.015	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Calcium	**23000**		530	1.6	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Chromium	**5.5**		0.53	0.082	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Cobalt	**4.1**	**J**	5.3	0.044	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Copper	**16**		2.7	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Iron	**11000**		11	0.94	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Lead	**4.4**		1.1	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Magnesium	**5800**		530	2.2	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Manganese	**350**		1.6	0.094	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Nickel	**9.3**		4.2	0.050	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Potassium	**430**	**J**	530	6.8	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Selenium	**0.50**	**J B**	1.1	0.28	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Silver	ND		0.53	0.043	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Sodium	**42**	**J**	530	1.1	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1

Client Sample Results

Client Sample ID: SSHS-B76-6-10 (8)

Lab Sample ID: 180-35818-34

Date Collected: 08/14/14 16:56
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 94.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		2.1	0.16	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Vanadium	**7.4**		5.3	0.19	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1
Zinc	**36**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:03	08/28/14 14:18	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.011	mg/Kg	☼	08/27/14 09:12	08/27/14 13:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.8**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**94**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	ND		0.52	0.15	mg/Kg	☼	08/23/14 09:00	08/23/14 10:53	1

Client Sample ID: SSHS-B76-10-15 (12.5)

Lab Sample ID: 180-35818-35

Date Collected: 08/14/14 17:04
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Benzene	ND		5.0	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Bromoform	ND		5.0	0.44	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Bromomethane	ND		5.0	0.74	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Carbon disulfide	ND		5.0	0.51	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Carbon tetrachloride	ND		5.0	0.44	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Chlorobenzene	ND		5.0	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Chlorobromomethane	ND		5.0	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Chloroethane	ND		5.0	1.5	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Chloroform	ND		5.0	0.58	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Chloromethane	ND		5.0	0.85	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
cis-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Cyclohexane	ND		5.0	0.37	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.74	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
1,2-Dichlorobenzene	ND		5.0	0.79	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
1,3-Dichlorobenzene	ND		5.0	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
1,4-Dichlorobenzene	ND		5.0	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Dichlorodifluoromethane	ND		5.0	0.66	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
1,1-Dichloroethane	ND		5.0	0.57	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
1,1-Dichloroethene	ND		5.0	0.84	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
1,4-Dioxane	ND		1000	270	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Ethylbenzene	ND		5.0	0.64	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
2-Hexanone	ND		5.0	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1

Client Sample ID: SSHS-B76-10-15 (12.5)
Lab Sample ID: 180-35818-35
Date Collected: 08/14/14 17:04
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		5.0	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Methyl acetate	ND		5.0	0.90	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Methylcyclohexane	ND		5.0	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Methylene Chloride	ND		5.0	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Methyl tert-butyl ether	ND		5.0	0.74	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
o-Xylene	ND		5.0	0.78	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Styrene	ND		5.0	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Toluene	ND		5.0	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
trans-1,3-Dichloropropene	ND		5.0	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
1,1,1-Trichloroethane	ND		5.0	0.48	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Trichloroethene	ND		5.0	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Trichlorofluoromethane	ND		5.0	0.91	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1
Vinyl chloride	ND		5.0	0.47	ug/Kg	☼	08/20/14 03:43	08/20/14 14:27	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 14:27*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*08/20/14 03:43*	*08/20/14 14:27*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*08/20/14 03:43*	*08/20/14 14:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*	*08/20/14 03:43*	*08/20/14 14:27*	*1*
Toluene-d8 (Surr)	*99*		*72 - 127*	*08/20/14 03:43*	*08/20/14 14:27*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	6.8	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Acenaphthylene	ND		72	8.2	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Acetophenone	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Anthracene	ND		72	7.0	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Atrazine	ND		350	35	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Benzaldehyde	ND	*	350	53	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Benzo[a]anthracene	ND		72	8.9	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Benzo[a]pyrene	ND		72	7.1	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Benzo[b]fluoranthene	ND		72	11	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Benzo[g,h,i]perylene	ND		72	7.1	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Benzo[k]fluoranthene	ND		72	14	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Bis(2-chloroethyl)ether	ND		72	9.6	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B76-10-15 (12.5)
Date Collected: 08/14/14 17:04
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-35
Matrix: Solid
Percent Solids: 93.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		350	49	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Carbazole	ND		72	6.6	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
2-Chloronaphthalene	ND		72	7.4	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
4-Chlorophenyl phenyl ether	ND		350	40	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Chrysene	ND		72	8.5	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Dibenz(a,h)anthracene	ND		72	7.9	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
3,3'-Dichlorobenzidine	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
2,4-Dichlorophenol	ND		72	7.1	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
2,4-Dimethylphenol	ND		350	56	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Di-n-butyl phthalate	ND		350	45	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Di-n-octyl phthalate	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Fluoranthene	ND		72	7.6	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Fluorene	ND		72	9.4	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Hexachlorobenzene	ND		72	7.6	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Hexachloroethane	ND		350	26	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Indeno[1,2,3-cd]pyrene	ND		72	7.3	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Isophorone	ND		350	27	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
2-Methylnaphthalene	ND		72	6.4	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Naphthalene	ND		72	6.1	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
2,2'-oxybis[1-chloropropane]	ND		72	7.7	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Phenanthrene	ND		72	11	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Phenol	ND		72	8.4	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
Pyrene	ND		72	7.2	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1

Client Sample ID: SSHS-B76-10-15 (12.5)
Date Collected: 08/14/14 17:04
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-35
Matrix: Solid
Percent Solids: 93.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/26/14 19:45	08/28/14 07:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*230*	*T J*	*ug/Kg*	☼	*2.38*		*08/26/14 19:45*	*08/28/14 07:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*35 - 105*	*08/26/14 19:45*	*08/28/14 07:24*	*1*
2-Fluorophenol (Surr)	*83*		*39 - 103*	*08/26/14 19:45*	*08/28/14 07:24*	*1*
Nitrobenzene-d5 (Surr)	*100*		*25 - 104*	*08/26/14 19:45*	*08/28/14 07:24*	*1*
Phenol-d5 (Surr)	*89*		*25 - 105*	*08/26/14 19:45*	*08/28/14 07:24*	*1*
Terphenyl-d14 (Surr)	*76*		*25 - 127*	*08/26/14 19:45*	*08/28/14 07:24*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*35 - 124*	*08/26/14 19:45*	*08/28/14 07:24*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
alpha-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1
Toxaphene	ND		72	12	ug/Kg	☼	08/26/14 20:50	08/28/14 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*08/26/14 20:50*	*08/28/14 02:18*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*08/26/14 20:50*	*08/28/14 02:18*	*1*
Tetrachloro-m-xylene	*98*		*45 - 130*	*08/26/14 20:50*	*08/28/14 02:18*	*1*
Tetrachloro-m-xylene	*95*		*45 - 130*	*08/26/14 20:50*	*08/28/14 02:18*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/26/14 20:50	08/28/14 12:23	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/26/14 20:50	08/28/14 12:23	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/26/14 20:50	08/28/14 12:23	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/26/14 20:50	08/28/14 12:23	1

Client Sample Results

Client Sample ID: SSHS-B76-10-15 (12.5)

Lab Sample ID: 180-35818-35

Date Collected: 08/14/14 17:04

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 93.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		18	1.7	ug/Kg	☼	08/26/14 20:50	08/28/14 12:23	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/26/14 20:50	08/28/14 12:23	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/26/14 20:50	08/28/14 12:23	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/26/14 20:50	08/28/14 12:23	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/26/14 20:50	08/28/14 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/26/14 20:50*	*08/28/14 12:23*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 125*	*08/26/14 20:50*	*08/28/14 12:54*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*	*08/26/14 20:50*	*08/28/14 12:23*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*	*08/26/14 20:50*	*08/28/14 12:54*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6000**		20	2.1	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Antimony	**0.28**	**J**	0.99	0.20	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Arsenic	**5.7**		0.99	0.30	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Barium	**47**		20	0.013	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Beryllium	**0.23**	**J**	0.40	0.011	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Cadmium	ND		0.50	0.014	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Calcium	**33000**		500	1.5	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Chromium	**6.8**		0.50	0.077	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Cobalt	**5.7**		5.0	0.042	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Copper	**18**		2.5	0.14	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Iron	**15000**		9.9	0.88	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Lead	**6.4**		0.99	0.10	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Magnesium	**8800**		500	2.1	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Manganese	**480**		1.5	0.088	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Nickel	**14**		4.0	0.047	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Potassium	**520**		500	6.4	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Selenium	**0.31**	**J B**	0.99	0.27	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Silver	ND		0.50	0.040	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Sodium	**60**	**J**	500	1.1	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Vanadium	**9.8**		5.0	0.17	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1
Zinc	**73**	**B**	2.0	0.10	mg/Kg	☼	08/21/14 13:03	08/28/14 14:23	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.012	mg/Kg	☼	08/27/14 09:12	08/27/14 13:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.9**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**93**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	ND		0.55	0.16	mg/Kg	☼	08/23/14 09:00	08/23/14 10:53	1

Client Sample ID: SSHS-B77-SS
Lab Sample ID: 180-35818-36
Date Collected: 08/14/14 17:25
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 81.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	6.6	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Benzene	ND		6.6	0.89	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Bromoform	ND		6.6	0.58	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Bromomethane	ND		6.6	0.97	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
2-Butanone (MEK)	ND		6.6	1.2	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Carbon disulfide	ND		6.6	0.68	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Carbon tetrachloride	ND		6.6	0.59	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Chlorobenzene	ND		6.6	1.0	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Chlorobromomethane	ND		6.6	0.91	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Chlorodibromomethane	ND		6.6	0.94	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Chloroethane	ND		6.6	2.0	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Chloroform	ND		6.6	0.77	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Chloromethane	ND		6.6	1.1	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
cis-1,2-Dichloroethene	ND		6.6	0.93	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
cis-1,3-Dichloropropene	ND		6.6	0.89	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Cyclohexane	ND		6.6	0.49	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
1,2-Dibromo-3-Chloropropane	ND		6.6	0.99	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
1,2-Dibromoethane	ND		6.6	1.1	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
1,2-Dichlorobenzene	ND		6.6	1.1	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
1,3-Dichlorobenzene	ND		6.6	0.87	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
1,4-Dichlorobenzene	ND		6.6	0.84	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Dichlorobromomethane	ND		6.6	0.74	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Dichlorodifluoromethane	ND		6.6	0.88	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
1,1-Dichloroethane	ND		6.6	0.76	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
1,2-Dichloroethane	ND		6.6	0.81	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
1,1-Dichloroethene	ND		6.6	1.1	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
1,2-Dichloropropane	ND		6.6	0.72	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
1,4-Dioxane	ND		1300	360	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Ethylbenzene	ND		6.6	0.85	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
2-Hexanone	ND		6.6	0.91	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Isopropylbenzene	ND		6.6	0.89	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Methyl acetate	ND		6.6	1.2	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Methylcyclohexane	ND		6.6	0.96	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Methylene Chloride	ND		6.6	0.89	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
4-Methyl-2-pentanone (MIBK)	ND		6.6	0.86	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Methyl tert-butyl ether	ND		6.6	0.99	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
m-Xylene & p-Xylene	ND		13	1.9	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
o-Xylene	ND		6.6	1.0	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Styrene	ND		6.6	0.93	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
1,1,2,2-Tetrachloroethane	ND		6.6	0.95	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Tetrachloroethene	ND		6.6	0.90	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Toluene	ND		6.6	0.96	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
trans-1,2-Dichloroethene	ND		6.6	0.79	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
trans-1,3-Dichloropropene	ND		6.6	0.79	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
1,2,3-Trichlorobenzene	ND		6.6	1.1	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
1,2,4-Trichlorobenzene	ND		6.6	1.2	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
1,1,1-Trichloroethane	ND		6.6	0.64	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
1,1,2-Trichloroethane	ND		6.6	1.1	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Trichloroethene	ND		6.6	0.87	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35818-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B77-SS

Lab Sample ID: 180-35818-36

Date Collected: 08/14/14 17:25
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		6.6	1.2	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.6	1.4	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1
Vinyl chloride	ND		6.6	0.62	ug/Kg	☼	08/21/14 05:34	08/21/14 14:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Dodecane, 2,6,11-trimethyl-	*14*	*T J N*	*ug/Kg*	☼	*12.27*	*31295-56-4*	*08/21/14 05:34*	*08/21/14 14:32*	*1*
Hexadecane	*11*	*T J N*	*ug/Kg*	☼	*14.69*	*544-76-3*	*08/21/14 05:34*	*08/21/14 14:32*	*1*
Unknown	*7.0*	*T J*	*ug/Kg*	☼	*15.45*		*08/21/14 05:34*	*08/21/14 14:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*63 - 120*	*08/21/14 05:34*	*08/21/14 14:32*	*1*
Dibromofluoromethane (Surr)	*103*		*68 - 121*	*08/21/14 05:34*	*08/21/14 14:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*52 - 124*	*08/21/14 05:34*	*08/21/14 14:32*	*1*
Toluene-d8 (Surr)	*97*		*72 - 127*	*08/21/14 05:34*	*08/21/14 14:32*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		82	7.8	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Acenaphthylene	ND		82	9.4	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Acetophenone	ND		400	34	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Anthracene	ND		82	8.0	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Atrazine	ND		400	40	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Benzaldehyde	ND	*	400	61	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Benzo[a]anthracene	ND		82	10	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Benzo[a]pyrene	ND		82	8.2	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Benzo[b]fluoranthene	ND		82	13	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Benzo[g,h,i]perylene	ND		82	8.1	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Benzo[k]fluoranthene	ND		82	17	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
1,1'-Biphenyl	ND		400	36	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Bis(2-chloroethoxy)methane	ND		400	27	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Bis(2-chloroethyl)ether	ND		82	11	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Bis(2-ethylhexyl) phthalate	ND		820	66	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
4-Bromophenyl phenyl ether	ND		400	36	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Butyl benzyl phthalate	ND		400	56	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Caprolactam	ND		2100	310	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Carbazole	ND		82	7.5	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
4-Chloroaniline	ND		400	33	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
4-Chloro-3-methylphenol	ND		400	38	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
2-Chloronaphthalene	ND		82	8.5	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
2-Chlorophenol	ND		400	33	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
4-Chlorophenyl phenyl ether	ND		400	45	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Chrysene	ND		82	9.7	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Dibenz(a,h)anthracene	ND		82	9.1	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Dibenzofuran	ND		400	40	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
3,3'-Dichlorobenzidine	ND		400	43	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
2,4-Dichlorophenol	ND		82	8.2	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Diethyl phthalate	ND		400	45	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
2,4-Dimethylphenol	ND		400	64	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Dimethyl phthalate	ND		400	45	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Di-n-butyl phthalate	ND		400	51	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1

Client Sample ID: SSHS-B77-SS

Lab Sample ID: 180-35818-36

Date Collected: 08/14/14 17:25
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 81.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND		2100	160	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
2,4-Dinitrophenol	ND		2100	490	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
2,4-Dinitrotoluene	ND		400	33	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
2,6-Dinitrotoluene	ND		400	42	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Di-n-octyl phthalate	ND		400	43	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
1,4-Dioxane	ND		820	47	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Fluoranthene	**37**	**J**	82	8.7	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Fluorene	ND		82	11	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Hexachlorobenzene	ND		82	8.7	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Hexachlorobutadiene	ND		82	9.1	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Hexachlorocyclopentadiene	ND		400	44	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Hexachloroethane	ND		400	29	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Indeno[1,2,3-cd]pyrene	ND		82	8.4	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Isophorone	ND		400	31	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
2-Methylnaphthalene	ND		82	7.3	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
2-Methylphenol	ND		400	29	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Methylphenol, 3 & 4	ND		400	40	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Naphthalene	ND		82	7.0	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
2-Nitroaniline	ND		2100	180	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
3-Nitroaniline	ND		2100	170	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
4-Nitroaniline	ND		2100	170	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Nitrobenzene	ND		820	34	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
2-Nitrophenol	ND		400	45	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
4-Nitrophenol	ND		2100	150	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
N-Nitrosodi-n-propylamine	ND		82	9.6	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
N-Nitrosodiphenylamine	ND		400	38	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
2,2'-oxybis[1-chloropropane]	ND		82	8.8	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Pentachlorophenol	ND		400	37	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Phenanthrene	ND		82	13	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Phenol	ND		82	9.7	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
Pyrene	**33**	**J**	82	8.3	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
1,2,4,5-Tetrachlorobenzene	ND		400	31	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
2,3,4,6-Tetrachlorophenol	ND		400	26	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
2,4,5-Trichlorophenol	ND		400	44	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1
2,4,6-Trichlorophenol	ND		400	61	ug/Kg	☼	08/26/14 19:45	08/29/14 12:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*440*	*T J*	*ug/Kg*	☼	*1.29*		*08/26/14 19:45*	*08/29/14 12:45*	*1*
Unknown	*580*	*T J*	*ug/Kg*	☼	*15.87*		*08/26/14 19:45*	*08/29/14 12:45*	*1*
Unknown	*490*	*T J*	*ug/Kg*	☼	*17.38*		*08/26/14 19:45*	*08/29/14 12:45*	*1*
Unknown	*590*	*T J*	*ug/Kg*	☼	*18.45*		*08/26/14 19:45*	*08/29/14 12:45*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*18.46*		*08/26/14 19:45*	*08/29/14 12:45*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*18.47*		*08/26/14 19:45*	*08/29/14 12:45*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*18.92*		*08/26/14 19:45*	*08/29/14 12:45*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*21.14*		*08/26/14 19:45*	*08/29/14 12:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*08/26/14 19:45*	*08/29/14 12:45*	*1*
2-Fluorophenol (Surr)	*74*		*39 - 103*	*08/26/14 19:45*	*08/29/14 12:45*	*1*
Nitrobenzene-d5 (Surr)	*92*		*25 - 104*	*08/26/14 19:45*	*08/29/14 12:45*	*1*

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

Client Sample ID: SSHS-B77-SS **Lab Sample ID: 180-35818-36**
Date Collected: 08/14/14 17:25 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 81.6**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*77*		*25 - 105*	*08/26/14 19:45*	*08/29/14 12:45*	*1*
Terphenyl-d14 (Surr)	*69*		*25 - 127*	*08/26/14 19:45*	*08/29/14 12:45*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*35 - 124*	*08/26/14 19:45*	*08/29/14 12:45*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.1	0.37	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
alpha-BHC	ND		2.1	0.33	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
alpha-Chlordane	ND		2.1	0.41	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
beta-BHC	ND		2.1	0.53	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
4,4'-DDD	ND		2.1	0.27	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
4,4'-DDE	ND		2.1	0.31	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
4,4'-DDT	ND		2.1	0.31	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
delta-BHC	ND		2.1	0.31	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
Dieldrin	ND		2.1	0.34	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
Endosulfan I	ND		2.1	0.38	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
Endosulfan II	ND		2.1	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
Endosulfan sulfate	ND		2.1	0.21	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
Endrin	ND		2.1	0.40	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
Endrin aldehyde	ND		2.1	0.40	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
Endrin ketone	ND		2.1	0.32	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
gamma-BHC (Lindane)	ND		2.1	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
gamma-Chlordane	ND		2.1	0.40	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
Heptachlor	ND		2.1	0.45	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
Heptachlor epoxide	ND		2.1	0.40	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
Methoxychlor	ND		4.0	0.43	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1
Toxaphene	ND		82	14	ug/Kg	☼	08/26/14 20:50	08/28/14 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 130*	*08/26/14 20:50*	*08/28/14 02:33*	*1*
DCB Decachlorobiphenyl (Surr)	*64*		*45 - 130*	*08/26/14 20:50*	*08/28/14 02:33*	*1*
Tetrachloro-m-xylene	*74*		*45 - 130*	*08/26/14 20:50*	*08/28/14 02:33*	*1*
Tetrachloro-m-xylene	*71*		*45 - 130*	*08/26/14 20:50*	*08/28/14 02:33*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	3.0	ug/Kg	☼	08/26/14 20:50	08/28/14 12:54	1
PCB-1221	ND		20	3.9	ug/Kg	☼	08/26/14 20:50	08/28/14 12:54	1
PCB-1232	ND		20	3.5	ug/Kg	☼	08/26/14 20:50	08/28/14 12:54	1
PCB-1242	ND		20	3.3	ug/Kg	☼	08/26/14 20:50	08/28/14 12:54	1
PCB-1248	ND		20	1.9	ug/Kg	☼	08/26/14 20:50	08/28/14 12:54	1
PCB-1254	ND		20	2.9	ug/Kg	☼	08/26/14 20:50	08/28/14 12:54	1
PCB-1260	ND		20	2.9	ug/Kg	☼	08/26/14 20:50	08/28/14 12:54	1
PCB-1262	ND		20	4.5	ug/Kg	☼	08/26/14 20:50	08/28/14 12:54	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*61*		*45 - 125*	*08/26/14 20:50*	*08/28/14 12:54*	*1*
DCB Decachlorobiphenyl (Surr)	*61*		*45 - 125*	*08/26/14 20:50*	*08/28/14 13:26*	*1*
Tetrachloro-m-xylene (Surr)	*64*		*45 - 135*	*08/26/14 20:50*	*08/28/14 12:54*	*1*

Client Sample ID: SSHS-B77-SS

Lab Sample ID: 180-35818-36

Date Collected: 08/14/14 17:25

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 81.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*67*		*45 - 135*	*08/26/14 20:50*	*08/28/14 13:26*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9000**		23	2.4	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Antimony	**0.33**	**J**	1.1	0.23	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Arsenic	**6.6**		1.1	0.35	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Barium	**92**		23	0.015	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Beryllium	**0.46**		0.45	0.013	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Cadmium	ND		0.57	0.016	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Calcium	**21000**		570	1.7	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Chromium	**11**		0.57	0.088	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Cobalt	**7.8**		5.7	0.047	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Copper	**13**		2.8	0.16	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Iron	**17000**		11	1.0	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Lead	**11**		1.1	0.12	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Magnesium	**3200**		570	2.3	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Manganese	**520**		1.7	0.10	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Nickel	**16**		4.5	0.054	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Potassium	**710**		570	7.2	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Selenium	**0.53**	**J B**	1.1	0.30	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Silver	ND		0.57	0.046	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Sodium	**37**	**J**	570	1.2	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Vanadium	**12**		5.7	0.20	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1
Zinc	**58**	**B**	2.3	0.12	mg/Kg	☼	08/21/14 13:03	08/28/14 14:29	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.033**	**J**	0.040	0.013	mg/Kg	☼	08/27/14 09:12	08/27/14 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**82**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	**0.28**	**J**	0.63	0.19	mg/Kg	☼	08/23/14 09:00	08/23/14 11:32	1

Client Sample ID: SSHS-B77-0.17-2 (1.5)

Lab Sample ID: 180-35818-37

Date Collected: 08/14/14 17:31

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 94.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.9	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Benzene	ND		4.9	0.66	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Bromoform	ND		4.9	0.43	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Bromomethane	ND		4.9	0.72	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
2-Butanone (MEK)	ND		4.9	0.86	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Carbon disulfide	ND		4.9	0.50	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Carbon tetrachloride	ND		4.9	0.44	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1

Client Sample ID: SSHS-B77-0.17-2 (1.5)
Lab Sample ID: 180-35818-37
Date Collected: 08/14/14 17:31
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 94.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		4.9	0.74	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Chlorobromomethane	ND		4.9	0.67	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Chlorodibromomethane	ND		4.9	0.69	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Chloroethane	ND		4.9	1.5	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Chloroform	ND		4.9	0.57	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Chloromethane	ND		4.9	0.83	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
cis-1,2-Dichloroethene	ND		4.9	0.69	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
cis-1,3-Dichloropropene	ND		4.9	0.66	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Cyclohexane	ND		4.9	0.36	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
1,2-Dibromo-3-Chloropropane	ND		4.9	0.73	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
1,2-Dibromoethane	ND		4.9	0.84	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
1,2-Dichlorobenzene	ND		4.9	0.78	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
1,3-Dichlorobenzene	ND		4.9	0.64	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
1,4-Dichlorobenzene	ND		4.9	0.62	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Dichlorobromomethane	ND		4.9	0.55	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Dichlorodifluoromethane	ND		4.9	0.65	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
1,1-Dichloroethane	ND		4.9	0.56	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
1,2-Dichloroethane	ND		4.9	0.60	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
1,1-Dichloroethene	ND		4.9	0.83	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
1,2-Dichloropropane	ND		4.9	0.53	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
1,4-Dioxane	ND		980	270	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Ethylbenzene	ND		4.9	0.63	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
2-Hexanone	ND		4.9	0.67	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Isopropylbenzene	ND		4.9	0.66	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Methyl acetate	ND		4.9	0.88	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Methylcyclohexane	ND		4.9	0.71	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Methylene Chloride	ND		4.9	0.66	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	0.64	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Methyl tert-butyl ether	ND		4.9	0.73	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
m-Xylene & p-Xylene	ND		9.8	1.4	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
o-Xylene	ND		4.9	0.76	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Styrene	ND		4.9	0.69	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.70	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Tetrachloroethene	ND		4.9	0.66	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Toluene	ND		4.9	0.71	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
trans-1,2-Dichloroethene	ND		4.9	0.58	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
trans-1,3-Dichloropropene	ND		4.9	0.58	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
1,2,3-Trichlorobenzene	ND		4.9	0.83	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
1,2,4-Trichlorobenzene	ND		4.9	0.86	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
1,1,1-Trichloroethane	ND		4.9	0.48	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
1,1,2-Trichloroethane	ND		4.9	0.81	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Trichloroethene	ND		4.9	0.64	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Trichlorofluoromethane	ND		4.9	0.90	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.0	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1
Vinyl chloride	ND		4.9	0.46	ug/Kg	☼	08/21/14 05:34	08/21/14 14:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/21/14 05:34*	*08/21/14 14:54*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B77-0.17-2 (1.5)
Date Collected: 08/14/14 17:31
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-37
Matrix: Solid
Percent Solids: 94.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*08/21/14 05:34*	*08/21/14 14:54*	*1*
Dibromofluoromethane (Surr)	*102*		*68 - 121*	*08/21/14 05:34*	*08/21/14 14:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*52 - 124*	*08/21/14 05:34*	*08/21/14 14:54*	*1*
Toluene-d8 (Surr)	*100*		*72 - 127*	*08/21/14 05:34*	*08/21/14 14:54*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	6.8	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Acenaphthylene	ND		71	8.0	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Acetophenone	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Anthracene	ND		71	6.9	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Atrazine	ND		350	34	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Benzaldehyde	ND	*	350	53	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Benzo[a]anthracene	ND		71	8.8	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Benzo[a]pyrene	ND		71	7.0	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Benzo[b]fluoranthene	ND		71	11	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Benzo[g,h,i]perylene	ND		71	7.0	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Benzo[k]fluoranthene	ND		71	14	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
1,1'-Biphenyl	ND		350	31	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Bis(2-chloroethyl)ether	ND		71	9.4	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Bis(2-ethylhexyl) phthalate	ND		710	57	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Carbazole	ND		71	6.5	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
4-Chloro-3-methylphenol	ND		350	32	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
2-Chloronaphthalene	ND		71	7.3	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Chrysene	ND		71	8.4	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Dibenz(a,h)anthracene	ND		71	7.8	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
2,4-Dichlorophenol	ND		71	7.1	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Diethyl phthalate	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Dimethyl phthalate	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
2,4-Dinitrotoluene	ND		350	28	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
2,6-Dinitrotoluene	ND		350	36	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
1,4-Dioxane	ND		710	40	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Fluoranthene	ND		71	7.5	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Fluorene	ND		71	9.3	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Hexachlorobenzene	ND		71	7.5	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Hexachlorobutadiene	ND		71	7.9	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1

Client Sample ID: SSHS-B77-0.17-2 (1.5)

Lab Sample ID: 180-35818-37

Date Collected: 08/14/14 17:31
Date Received: 08/15/14 09:10
Matrix: Solid
Percent Solids: 94.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Indeno[1,2,3-cd]pyrene	ND		71	7.2	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Isophorone	ND		350	26	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
2-Methylnaphthalene	ND		71	6.3	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Methylphenol, 3 & 4	ND		350	34	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Naphthalene	ND		71	6.1	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
3-Nitroaniline	ND		1800	140	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Nitrobenzene	ND		710	29	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
N-Nitrosodi-n-propylamine	ND		71	8.2	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
2,2'-oxybis[1-chloropropane]	ND		71	7.6	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Pentachlorophenol	ND		350	31	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Phenanthrene	ND		71	11	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Phenol	ND		71	8.3	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
Pyrene	ND		71	7.1	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/26/14 19:45	08/29/14 13:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/26/14 19:45*	*08/29/14 13:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*08/26/14 19:45*	*08/29/14 13:14*	*1*
2-Fluorophenol (Surr)	*68*		*39 - 103*	*08/26/14 19:45*	*08/29/14 13:14*	*1*
Nitrobenzene-d5 (Surr)	*90*		*25 - 104*	*08/26/14 19:45*	*08/29/14 13:14*	*1*
Phenol-d5 (Surr)	*77*		*25 - 105*	*08/26/14 19:45*	*08/29/14 13:14*	*1*
Terphenyl-d14 (Surr)	*78*		*25 - 127*	*08/26/14 19:45*	*08/29/14 13:14*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*35 - 124*	*08/26/14 19:45*	*08/29/14 13:14*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
alpha-BHC	ND		1.8	0.28	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
alpha-Chlordane	**1.5**	**J**	1.8	0.34	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
beta-BHC	ND		1.8	0.45	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
4,4'-DDD	**6.0**		1.8	0.23	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
4,4'-DDE	**3.5**	**p**	1.8	0.26	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
4,4'-DDT	**1.7**	**J p**	1.8	0.26	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
delta-BHC	**1.2**	**J**	1.8	0.26	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
Endosulfan I	ND		1.8	0.32	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
Endosulfan II	**0.65**	**J p**	1.8	0.30	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1

Client Sample ID: SSHS-B77-0.17-2 (1.5)

Date Collected: 08/14/14 17:31
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-37

Matrix: Solid
Percent Solids: 94.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
Endrin	**3.8**		1.8	0.33	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
Endrin aldehyde	ND		1.8	0.33	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
gamma-BHC (Lindane)	**12**		1.8	0.30	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
gamma-Chlordane	**1.7**	**J p**	1.8	0.34	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
Heptachlor	**0.69**	**J p**	1.8	0.38	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
Heptachlor epoxide	**0.34**	**J p**	1.8	0.34	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
Methoxychlor	**2.0**	**J p**	3.4	0.36	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1
Toxaphene	ND		69	11	ug/Kg	☼	08/26/14 20:50	08/28/14 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*	*08/26/14 20:50*	*08/28/14 02:49*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 130*	*08/26/14 20:50*	*08/28/14 02:49*	*1*
Tetrachloro-m-xylene	*79*		*45 - 130*	*08/26/14 20:50*	*08/28/14 02:49*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/26/14 20:50*	*08/28/14 02:49*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.6	ug/Kg	☼	08/26/14 20:50	08/28/14 13:58	1
PCB-1221	ND		17	3.3	ug/Kg	☼	08/26/14 20:50	08/28/14 13:58	1
PCB-1232	ND		17	2.9	ug/Kg	☼	08/26/14 20:50	08/28/14 13:58	1
PCB-1242	ND		17	2.8	ug/Kg	☼	08/26/14 20:50	08/28/14 13:58	1
PCB-1248	**89**		17	1.6	ug/Kg	☼	08/26/14 20:50	08/28/14 13:26	1
PCB-1254	ND		17	2.4	ug/Kg	☼	08/26/14 20:50	08/28/14 13:58	1
PCB-1260	**73**		17	2.4	ug/Kg	☼	08/26/14 20:50	08/28/14 13:58	1
PCB-1262	ND		17	3.8	ug/Kg	☼	08/26/14 20:50	08/28/14 13:58	1
PCB-1268	ND		17	2.2	ug/Kg	☼	08/26/14 20:50	08/28/14 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/26/14 20:50*	*08/28/14 13:26*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/26/14 20:50*	*08/28/14 13:58*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*45 - 135*	*08/26/14 20:50*	*08/28/14 13:26*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*45 - 135*	*08/26/14 20:50*	*08/28/14 13:58*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5500**		20	2.1	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Antimony	**0.21**	**J**	1.0	0.20	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Arsenic	**4.1**		1.0	0.31	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Barium	**35**		20	0.013	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Beryllium	**0.22**	**J**	0.40	0.011	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Cadmium	ND		0.50	0.014	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Calcium	**33000**		500	1.5	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Chromium	**7.1**		0.50	0.077	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Cobalt	**4.7**	**J**	5.0	0.042	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Copper	**20**		2.5	0.14	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Iron	**13000**		10	0.89	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Lead	**6.7**		1.0	0.10	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Magnesium	**3200**		500	2.1	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1

Client Sample Results

Client Sample ID: SSHS-B77-0.17-2 (1.5) Lab Sample ID: 180-35818-37

Date Collected: 08/14/14 17:31 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 94.9**

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**420**		1.5	0.089	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Nickel	**11**		4.0	0.048	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Potassium	**420**	**J**	500	6.4	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Selenium	**0.33**	**J B**	1.0	0.27	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Silver	ND		0.50	0.041	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Sodium	**41**	**J**	500	1.1	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Vanadium	**9.5**		5.0	0.18	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1
Zinc	**47**	**B**	2.0	0.10	mg/Kg	☼	08/21/14 13:03	08/28/14 14:34	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**	**J**	0.034	0.011	mg/Kg	☼	08/27/14 09:12	08/27/14 13:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.1**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**95**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/23/14 09:00	08/23/14 10:53	1

Client Sample ID: SSHS-B77-2-6 (5) Lab Sample ID: 180-35818-38

Date Collected: 08/14/14 17:38 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 91.2**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.7	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Benzene	ND		4.7	0.64	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Bromoform	ND		4.7	0.42	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Bromomethane	ND		4.7	0.70	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
2-Butanone (MEK)	ND		4.7	0.84	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Carbon disulfide	ND		4.7	0.49	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Carbon tetrachloride	ND		4.7	0.42	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Chlorobenzene	ND		4.7	0.72	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Chlorobromomethane	ND		4.7	0.65	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Chlorodibromomethane	ND		4.7	0.67	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Chloroethane	ND		4.7	1.5	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Chloroform	ND		4.7	0.55	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Chloromethane	ND		4.7	0.81	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
cis-1,2-Dichloroethene	ND		4.7	0.67	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
cis-1,3-Dichloropropene	ND		4.7	0.64	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Cyclohexane	ND		4.7	0.35	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
1,2-Dibromo-3-Chloropropane	ND		4.7	0.71	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
1,2-Dibromoethane	ND		4.7	0.82	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
1,2-Dichlorobenzene	ND		4.7	0.76	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
1,3-Dichlorobenzene	ND		4.7	0.62	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
1,4-Dichlorobenzene	ND		4.7	0.60	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Dichlorobromomethane	ND		4.7	0.53	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Dichlorodifluoromethane	ND		4.7	0.63	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
1,1-Dichloroethane	ND		4.7	0.55	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1

Client Sample ID: SSHS-B77-2-6 (5)
Date Collected: 08/14/14 17:38
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-38
Matrix: Solid
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		4.7	0.58	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
1,1-Dichloroethene	ND		4.7	0.80	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
1,2-Dichloropropane	ND		4.7	0.52	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
1,4-Dioxane	ND		950	260	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Ethylbenzene	ND		4.7	0.61	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
2-Hexanone	ND		4.7	0.65	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Isopropylbenzene	ND		4.7	0.64	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Methyl acetate	ND		4.7	0.85	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Methylcyclohexane	ND		4.7	0.69	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Methylene Chloride	ND		4.7	0.64	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	0.62	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Methyl tert-butyl ether	ND		4.7	0.71	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
m-Xylene & p-Xylene	ND		9.5	1.4	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
o-Xylene	ND		4.7	0.74	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Styrene	ND		4.7	0.67	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.68	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Tetrachloroethene	ND		4.7	0.65	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Toluene	ND		4.7	0.69	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
trans-1,2-Dichloroethene	ND		4.7	0.57	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
trans-1,3-Dichloropropene	ND		4.7	0.57	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
1,2,3-Trichlorobenzene	ND		4.7	0.80	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
1,2,4-Trichlorobenzene	ND		4.7	0.84	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
1,1,1-Trichloroethane	ND		4.7	0.46	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
1,1,2-Trichloroethane	ND		4.7	0.79	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Trichloroethene	ND		4.7	0.62	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Trichlorofluoromethane	ND		4.7	0.87	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.0	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1
Vinyl chloride	ND		4.7	0.45	ug/Kg	☼	08/21/14 05:34	08/21/14 15:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/21/14 05:34*	*08/21/14 15:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*08/21/14 05:34*	*08/21/14 15:17*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/21/14 05:34*	*08/21/14 15:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*	*08/21/14 05:34*	*08/21/14 15:17*	*1*
Toluene-d8 (Surr)	*98*		*72 - 127*	*08/21/14 05:34*	*08/21/14 15:17*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	6.9	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Acenaphthylene	ND		72	8.3	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Acetophenone	ND		360	30	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Anthracene	ND		72	7.1	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Atrazine	ND		360	35	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Benzaldehyde	ND	*	360	54	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Benzo[a]anthracene	ND		72	9.0	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Benzo[a]pyrene	ND		72	7.2	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Benzo[b]fluoranthene	ND		72	11	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Benzo[g,h,i]perylene	ND		72	7.2	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1

Client Sample ID: SSHS-B77-2-6 (5) **Lab Sample ID: 180-35818-38**

Date Collected: 08/14/14 17:38 **Matrix: Solid**

Date Received: 08/15/14 09:10 **Percent Solids: 91.2**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		72	15	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Bis(2-chloroethyl)ether	ND		72	9.7	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
4-Bromophenyl phenyl ether	ND		360	31	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Butyl benzyl phthalate	ND		360	49	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Carbazole	ND		72	6.6	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
2-Chloronaphthalene	ND		72	7.5	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
2-Chlorophenol	ND		360	29	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Chrysene	ND		72	8.6	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Dibenz(a,h)anthracene	ND		72	8.0	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Dibenzofuran	ND		360	35	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Diethyl phthalate	ND		360	39	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
2,4-Dimethylphenol	ND		360	56	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Dimethyl phthalate	ND		360	39	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Di-n-butyl phthalate	ND		360	45	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
2,6-Dinitrotoluene	ND		360	37	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Fluoranthene	ND		72	7.7	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Fluorene	ND		72	9.5	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Hexachlorobenzene	ND		72	7.7	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Hexachlorobutadiene	ND		72	8.1	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Indeno[1,2,3-cd]pyrene	ND		72	7.4	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Isophorone	ND		360	27	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
2-Methylnaphthalene	ND		72	6.5	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Methylphenol, 3 & 4	ND		360	35	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Naphthalene	ND		72	6.2	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
4-Nitroaniline	ND		1800	150	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
N-Nitrosodi-n-propylamine	ND		72	8.5	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
N-Nitrosodiphenylamine	ND		360	33	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1

Client Sample Results

Client Sample ID: SSHS-B77-2-6 (5)

Lab Sample ID: 180-35818-38

Date Collected: 08/14/14 17:38
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		72	7.8	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Pentachlorophenol	ND		360	32	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Phenanthrene	ND		72	11	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Phenol	ND		72	8.5	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
Pyrene	ND		72	7.3	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
1,2,4,5-Tetrachlorobenzene	ND		360	27	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/26/14 19:45	08/29/14 13:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/26/14 19:45*	*08/29/14 13:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*08/26/14 19:45*	*08/29/14 13:43*	*1*
2-Fluorophenol (Surr)	*74*		*39 - 103*	*08/26/14 19:45*	*08/29/14 13:43*	*1*
Nitrobenzene-d5 (Surr)	*90*		*25 - 104*	*08/26/14 19:45*	*08/29/14 13:43*	*1*
Phenol-d5 (Surr)	*81*		*25 - 105*	*08/26/14 19:45*	*08/29/14 13:43*	*1*
Terphenyl-d14 (Surr)	*70*		*25 - 127*	*08/26/14 19:45*	*08/29/14 13:43*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*35 - 124*	*08/26/14 19:45*	*08/29/14 13:43*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
beta-BHC	ND		1.9	0.47	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
4,4'-DDT	ND		1.9	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
Dieldrin	ND		1.9	0.30	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
Endosulfan I	ND		1.9	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
Endrin	ND		1.9	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
Endrin aldehyde	ND		1.9	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
Endrin ketone	ND		1.9	0.28	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1
Toxaphene	ND		73	12	ug/Kg	☼	08/26/14 22:14	08/28/14 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/26/14 22:14*	*08/28/14 14:18*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*08/26/14 22:14*	*08/28/14 14:18*	*1*
Tetrachloro-m-xylene	*83*		*45 - 130*	*08/26/14 22:14*	*08/28/14 14:18*	*1*
Tetrachloro-m-xylene	*80*		*45 - 130*	*08/26/14 22:14*	*08/28/14 14:18*	*1*

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

Client Sample ID: SSHS-B77-2-6 (5)

Lab Sample ID: 180-35818-38

Date Collected: 08/14/14 17:38
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/26/14 22:14	08/31/14 11:14	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/26/14 22:14	08/31/14 11:14	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/26/14 22:14	08/31/14 11:14	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/26/14 22:14	08/31/14 11:14	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/26/14 22:14	08/31/14 11:14	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/26/14 22:14	08/31/14 11:14	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/26/14 22:14	08/31/14 11:14	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/26/14 22:14	08/31/14 11:14	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/26/14 22:14	08/31/14 11:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/26/14 22:14*	*08/31/14 11:14*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/26/14 22:14*	*08/31/14 11:46*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*45 - 135*	*08/26/14 22:14*	*08/31/14 11:14*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*45 - 135*	*08/26/14 22:14*	*08/31/14 11:46*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5700**		20	2.1	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Antimony	ND		1.0	0.20	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Arsenic	**6.1**		1.0	0.31	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Barium	**34**		20	0.013	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Beryllium	**0.26**	**J**	0.41	0.011	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Cadmium	**0.028**	**J B**	0.51	0.015	mg/Kg	☼	08/21/14 13:03	08/29/14 11:53	1
Calcium	**4000**		510	1.5	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Chromium	**8.3**		0.51	0.078	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Cobalt	**5.5**		5.1	0.042	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Copper	**17**		2.5	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Iron	**15000**		10	0.90	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Lead	**6.9**		1.0	0.10	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Magnesium	**2700**		510	2.1	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Manganese	**450**		1.5	0.090	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Nickel	**13**		4.1	0.048	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Potassium	**550**		510	6.5	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Selenium	**0.68**	**J B**	1.0	0.27	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Silver	ND		0.51	0.041	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Sodium	**33**	**J**	510	1.1	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Vanadium	**11**		5.1	0.18	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1
Zinc	**48**	**B**	2.0	0.10	mg/Kg	☼	08/21/14 13:03	08/28/14 14:40	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.012	mg/Kg	☼	08/27/14 09:12	08/27/14 13:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**91**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	ND		0.57	0.17	mg/Kg	☼	08/23/14 09:00	08/23/14 10:53	1

Client Sample ID: SSHS-B77-6-10 (8)
Date Collected: 08/14/14 17:44
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-39
Matrix: Solid
Percent Solids: 93.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Benzene	ND		5.0	0.67	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Bromoform	ND		5.0	0.44	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Bromomethane	ND		5.0	0.73	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Carbon disulfide	ND		5.0	0.51	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Carbon tetrachloride	ND		5.0	0.44	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Chlorobenzene	ND		5.0	0.75	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Chlorobromomethane	ND		5.0	0.68	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Chloroethane	ND		5.0	1.5	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Chloroform	ND		5.0	0.58	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Chloromethane	ND		5.0	0.85	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
cis-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Cyclohexane	ND		5.0	0.37	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.74	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
1,2-Dichlorobenzene	ND		5.0	0.79	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
1,3-Dichlorobenzene	ND		5.0	0.65	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
1,4-Dichlorobenzene	ND		5.0	0.63	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Dichlorodifluoromethane	ND		5.0	0.66	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
1,1-Dichloroethane	ND		5.0	0.57	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
1,1-Dichloroethene	ND		5.0	0.84	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
1,4-Dioxane	ND		990	270	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Ethylbenzene	ND		5.0	0.64	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
2-Hexanone	ND		5.0	0.69	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Methyl acetate	ND		5.0	0.90	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Methylcyclohexane	ND		5.0	0.72	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Methylene Chloride	ND		5.0	0.67	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Methyl tert-butyl ether	ND		5.0	0.74	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
m-Xylene & p-Xylene	ND		9.9	1.5	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
o-Xylene	ND		5.0	0.78	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Styrene	ND		5.0	0.70	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.71	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Toluene	ND		5.0	0.73	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
trans-1,3-Dichloropropene	ND		5.0	0.59	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
1,1,1-Trichloroethane	ND		5.0	0.48	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Trichloroethene	ND		5.0	0.65	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1

Client Sample ID: SSHS-B77-6-10 (8) **Lab Sample ID: 180-35818-39**
Date Collected: 08/14/14 17:44 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 93.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		5.0	0.91	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1
Vinyl chloride	ND		5.0	0.47	ug/Kg	☼	08/21/14 05:34	08/21/14 15:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/21/14 05:34*	*08/21/14 15:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 120*	*08/21/14 05:34*	*08/21/14 15:39*	*1*
Dibromofluoromethane (Surr)	*97*		*68 - 121*	*08/21/14 05:34*	*08/21/14 15:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*52 - 124*	*08/21/14 05:34*	*08/21/14 15:39*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/21/14 05:34*	*08/21/14 15:39*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	6.8	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Acenaphthylene	ND		72	8.2	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Acetophenone	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Anthracene	ND		72	7.0	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Atrazine	ND		350	35	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Benzaldehyde	ND	*	350	53	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Benzo[a]anthracene	ND		72	8.9	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Benzo[a]pyrene	ND		72	7.1	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Benzo[b]fluoranthene	ND		72	11	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Benzo[g,h,i]perylene	ND		72	7.1	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Benzo[k]fluoranthene	ND		72	14	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Bis(2-chloroethyl)ether	ND		72	9.6	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Butyl benzyl phthalate	ND		350	49	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Carbazole	ND		72	6.6	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
4-Chloroaniline	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
2-Chloronaphthalene	ND		72	7.4	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
4-Chlorophenyl phenyl ether	ND		350	40	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Chrysene	ND		72	8.5	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Dibenz(a,h)anthracene	ND		72	7.9	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
3,3'-Dichlorobenzidine	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
2,4-Dimethylphenol	ND		350	56	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Di-n-butyl phthalate	ND		350	45	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1

Client Sample Results

Client Sample ID: SSHS-B77-6-10 (8)
Date Collected: 08/14/14 17:44
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-39
Matrix: Solid
Percent Solids: 93.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Di-n-octyl phthalate	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Fluoranthene	ND		72	7.6	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Fluorene	ND		72	9.4	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Hexachlorobenzene	ND		72	7.6	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Hexachloroethane	ND		350	26	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Indeno[1,2,3-cd]pyrene	ND		72	7.3	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Isophorone	ND		350	27	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
2-Methylnaphthalene	ND		72	6.4	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Naphthalene	ND		72	6.1	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
2,2'-oxybis[1-chloropropane]	ND		72	7.7	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Phenanthrene	ND		72	11	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Phenol	ND		72	8.4	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
Pyrene	ND		72	7.2	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/26/14 19:45	08/29/14 14:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/26/14 19:45*	*08/29/14 14:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 105*	*08/26/14 19:45*	*08/29/14 14:12*	*1*
2-Fluorophenol (Surr)	*75*		*39 - 103*	*08/26/14 19:45*	*08/29/14 14:12*	*1*
Nitrobenzene-d5 (Surr)	*90*		*25 - 104*	*08/26/14 19:45*	*08/29/14 14:12*	*1*
Phenol-d5 (Surr)	*83*		*25 - 105*	*08/26/14 19:45*	*08/29/14 14:12*	*1*
Terphenyl-d14 (Surr)	*67*		*25 - 127*	*08/26/14 19:45*	*08/29/14 14:12*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*35 - 124*	*08/26/14 19:45*	*08/29/14 14:12*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1

Client Sample ID: SSHS-B77-6-10 (8) **Lab Sample ID: 180-35818-39**
Date Collected: 08/14/14 17:44 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 93.6**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
Heptachlor	**0.62**	**J p**	1.8	0.39	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1
Toxaphene	ND		71	12	ug/Kg	☼	08/26/14 22:14	08/28/14 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*08/26/14 22:14*	*08/28/14 14:34*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/26/14 22:14*	*08/28/14 14:34*	*1*
Tetrachloro-m-xylene	*85*		*45 - 130*	*08/26/14 22:14*	*08/28/14 14:34*	*1*
Tetrachloro-m-xylene	*82*		*45 - 130*	*08/26/14 22:14*	*08/28/14 14:34*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/26/14 22:14	08/31/14 11:46	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/26/14 22:14	08/31/14 11:46	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/26/14 22:14	08/31/14 11:46	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/26/14 22:14	08/31/14 11:46	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/26/14 22:14	08/31/14 11:46	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/26/14 22:14	08/31/14 11:46	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/26/14 22:14	08/31/14 11:46	1
PCB-1262	ND		18	3.8	ug/Kg	☼	08/26/14 22:14	08/31/14 11:46	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/26/14 22:14	08/31/14 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/26/14 22:14*	*08/31/14 11:46*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/26/14 22:14*	*08/31/14 12:17*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*	*08/26/14 22:14*	*08/31/14 11:46*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*	*08/26/14 22:14*	*08/31/14 12:17*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4200**		22	2.2	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Arsenic	**4.9**		1.1	0.33	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Barium	**30**		22	0.014	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Beryllium	**0.18**	**J**	0.43	0.012	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B77-6-10 (8)

Date Collected: 08/14/14 17:44
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-39
Matrix: Solid
Percent Solids: 93.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.047**	**J**	0.54	0.015	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Calcium	**31000**		540	1.6	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Chromium	**5.7**		0.54	0.083	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Cobalt	**4.0**	**J**	5.4	0.045	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Copper	**14**		2.7	0.16	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Iron	**11000**		11	0.96	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Lead	**4.9**		1.1	0.11	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Magnesium	**4700**		540	2.2	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Manganese	**300**		1.6	0.096	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Nickel	**9.8**		4.3	0.051	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Potassium	**530**	**J**	540	6.9	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Selenium	ND		1.1	0.29	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Silver	ND		0.54	0.044	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Sodium	**48**	**J**	540	1.1	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Vanadium	**7.8**		5.4	0.19	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1
Zinc	**43**	**B**	2.2	0.11	mg/Kg	☼	08/21/14 13:05	08/28/14 10:44	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.011	mg/Kg	☼	08/27/14 09:12	08/27/14 13:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.4**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**94**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	ND		0.56	0.16	mg/Kg	☼	08/23/14 09:00	08/23/14 10:53	1

Client Sample ID: SSHS-B77-10-15 (12.5)

Date Collected: 08/14/14 17:50
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-40
Matrix: Solid
Percent Solids: 95.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.6	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Benzene	ND		4.6	0.63	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Bromoform	ND		4.6	0.41	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Bromomethane	ND		4.6	0.68	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
2-Butanone (MEK)	ND		4.6	0.82	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Carbon disulfide	ND		4.6	0.47	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Carbon tetrachloride	ND		4.6	0.41	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Chlorobenzene	ND		4.6	0.70	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Chlorobromomethane	ND		4.6	0.64	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Chlorodibromomethane	ND		4.6	0.66	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Chloroethane	ND		4.6	1.4	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Chloroform	ND		4.6	0.54	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Chloromethane	ND		4.6	0.79	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
cis-1,2-Dichloroethene	ND		4.6	0.65	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
cis-1,3-Dichloropropene	ND		4.6	0.63	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Cyclohexane	ND		4.6	0.34	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1

Client Sample Results

Client Sample ID: SSHS-B77-10-15 (12.5)
Date Collected: 08/14/14 17:50
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-40
Matrix: Solid
Percent Solids: 95.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.6	0.69	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
1,2-Dibromoethane	ND		4.6	0.80	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
1,2-Dichlorobenzene	ND		4.6	0.74	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
1,3-Dichlorobenzene	ND		4.6	0.61	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
1,4-Dichlorobenzene	ND		4.6	0.59	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Dichlorobromomethane	ND		4.6	0.52	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Dichlorodifluoromethane	ND		4.6	0.62	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
1,1-Dichloroethane	ND		4.6	0.53	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
1,2-Dichloroethane	ND		4.6	0.57	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
1,1-Dichloroethene	ND		4.6	0.79	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
1,2-Dichloropropane	ND		4.6	0.50	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
1,4-Dioxane	ND		930	260	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Ethylbenzene	ND		4.6	0.60	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
2-Hexanone	ND		4.6	0.64	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Isopropylbenzene	ND		4.6	0.63	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Methyl acetate	ND		4.6	0.84	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Methylcyclohexane	ND		4.6	0.67	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Methylene Chloride	ND		4.6	0.62	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.60	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Methyl tert-butyl ether	ND		4.6	0.69	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
m-Xylene & p-Xylene	ND		9.3	1.4	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
o-Xylene	ND		4.6	0.72	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Styrene	ND		4.6	0.65	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.67	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Tetrachloroethene	ND		4.6	0.63	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Toluene	ND		4.6	0.68	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
trans-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
trans-1,3-Dichloropropene	ND		4.6	0.55	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
1,2,3-Trichlorobenzene	ND		4.6	0.78	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
1,2,4-Trichlorobenzene	ND		4.6	0.82	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
1,1,1-Trichloroethane	ND		4.6	0.45	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
1,1,2-Trichloroethane	ND		4.6	0.77	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Trichloroethene	ND		4.6	0.61	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Trichlorofluoromethane	ND		4.6	0.85	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	0.99	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1
Vinyl chloride	ND		4.6	0.43	ug/Kg	☼	08/21/14 05:34	08/21/14 16:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/21/14 05:34*	*08/21/14 16:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*63 - 120*	*08/21/14 05:34*	*08/21/14 16:01*	*1*
Dibromofluoromethane (Surr)	*102*		*68 - 121*	*08/21/14 05:34*	*08/21/14 16:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*	*08/21/14 05:34*	*08/21/14 16:01*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/21/14 05:34*	*08/21/14 16:01*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	6.7	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Acenaphthylene	ND		70	8.0	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1

Client Sample Results

Client Sample ID: SSHS-B77-10-15 (12.5)
Lab Sample ID: 180-35818-40
Date Collected: 08/14/14 17:50
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 95.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Anthracene	ND		70	6.8	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Atrazine	ND		350	34	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Benzaldehyde	ND	*	350	52	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Benzo[a]anthracene	ND		70	8.8	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Benzo[a]pyrene	ND		70	7.0	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Benzo[b]fluoranthene	ND		70	11	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Benzo[g,h,i]perylene	ND		70	7.0	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Benzo[k]fluoranthene	ND		70	14	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
1,1'-Biphenyl	ND		350	31	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Bis(2-chloroethyl)ether	ND		70	9.4	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Bis(2-ethylhexyl) phthalate	ND		700	56	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
4-Bromophenyl phenyl ether	ND		350	30	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Caprolactam	ND		1800	260	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Carbazole	ND		70	6.4	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
4-Chloro-3-methylphenol	ND		350	32	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
2-Chloronaphthalene	ND		70	7.3	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Chrysene	ND		70	8.3	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Dibenz(a,h)anthracene	ND		70	7.8	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Dibenzofuran	ND		350	34	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
2,4-Dichlorophenol	ND		70	7.0	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Diethyl phthalate	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Dimethyl phthalate	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
2,4-Dinitrotoluene	ND		350	28	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
2,6-Dinitrotoluene	ND		350	36	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
1,4-Dioxane	ND		700	40	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Fluoranthene	ND		70	7.5	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Fluorene	ND		70	9.2	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Hexachlorobenzene	ND		70	7.4	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Hexachlorobutadiene	ND		70	7.8	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Indeno[1,2,3-cd]pyrene	ND		70	7.2	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Isophorone	ND		350	26	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
2-Methylnaphthalene	ND		70	6.3	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
2-Methylphenol	ND		350	24	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Methylphenol, 3 & 4	ND		350	34	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Naphthalene	ND		70	6.0	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1

Client Sample ID: SSHS-B77-10-15 (12.5)
Lab Sample ID: 180-35818-40
Date Collected: 08/14/14 17:50
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 95.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
3-Nitroaniline	ND		1800	140	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Nitrobenzene	ND		700	29	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
N-Nitrosodi-n-propylamine	ND		70	8.2	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
N-Nitrosodiphenylamine	ND		350	32	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
2,2'-oxybis[1-chloropropane]	ND		70	7.5	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Pentachlorophenol	ND		350	31	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Phenanthrene	ND		70	11	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Phenol	ND		70	8.3	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
Pyrene	ND		70	7.1	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
1,2,4,5-Tetrachlorobenzene	ND		350	26	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
2,3,4,6-Tetrachlorophenol	ND		350	22	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
2,4,5-Trichlorophenol	ND		350	37	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1
2,4,6-Trichlorophenol	ND		350	52	ug/Kg	☼	08/26/14 19:45	08/29/14 14:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190*	*T J*	*ug/Kg*	☼	*12.76*		*08/26/14 19:45*	*08/29/14 14:41*	*1*
Unknown	*140*	*T J*	*ug/Kg*	☼	*12.78*		*08/26/14 19:45*	*08/29/14 14:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*08/26/14 19:45*	*08/29/14 14:41*	*1*
2-Fluorophenol (Surr)	*69*		*39 - 103*	*08/26/14 19:45*	*08/29/14 14:41*	*1*
Nitrobenzene-d5 (Surr)	*84*		*25 - 104*	*08/26/14 19:45*	*08/29/14 14:41*	*1*
Phenol-d5 (Surr)	*73*		*25 - 105*	*08/26/14 19:45*	*08/29/14 14:41*	*1*
Terphenyl-d14 (Surr)	*66*		*25 - 127*	*08/26/14 19:45*	*08/29/14 14:41*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*35 - 124*	*08/26/14 19:45*	*08/29/14 14:41*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
alpha-BHC	ND		1.8	0.28	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
beta-BHC	ND		1.8	0.45	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
4,4'-DDE	ND		1.8	0.26	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
gamma-Chlordane	ND		1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Client Sample ID: SSHS-B77-10-15 (12.5)
Date Collected: 08/14/14 17:50
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-40
Matrix: Solid
Percent Solids: 95.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
Methoxychlor	ND		3.5	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1
Toxaphene	ND		70	12	ug/Kg	☼	08/26/14 22:14	08/28/14 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/26/14 22:14*	*08/28/14 14:49*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/26/14 22:14*	*08/28/14 14:49*	*1*
Tetrachloro-m-xylene	*82*		*45 - 130*	*08/26/14 22:14*	*08/28/14 14:49*	*1*
Tetrachloro-m-xylene	*80*		*45 - 130*	*08/26/14 22:14*	*08/28/14 14:49*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.6	ug/Kg	☼	08/26/14 22:14	08/31/14 12:17	1
PCB-1221	ND		17	3.3	ug/Kg	☼	08/26/14 22:14	08/31/14 12:17	1
PCB-1232	ND		17	3.0	ug/Kg	☼	08/26/14 22:14	08/31/14 12:17	1
PCB-1242	ND		17	2.8	ug/Kg	☼	08/26/14 22:14	08/31/14 12:17	1
PCB-1248	ND		17	1.7	ug/Kg	☼	08/26/14 22:14	08/31/14 12:17	1
PCB-1254	ND		17	2.5	ug/Kg	☼	08/26/14 22:14	08/31/14 12:17	1
PCB-1260	ND		17	2.5	ug/Kg	☼	08/26/14 22:14	08/31/14 12:17	1
PCB-1262	ND		17	3.8	ug/Kg	☼	08/26/14 22:14	08/31/14 12:17	1
PCB-1268	ND		17	2.2	ug/Kg	☼	08/26/14 22:14	08/31/14 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 125*	*08/26/14 22:14*	*08/31/14 12:17*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*	*08/26/14 22:14*	*08/31/14 12:48*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*45 - 135*	*08/26/14 22:14*	*08/31/14 12:17*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*45 - 135*	*08/26/14 22:14*	*08/31/14 12:48*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4300**		19	2.0	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Antimony	ND		1.9	0.38	mg/Kg	☼	08/21/14 13:05	08/28/14 13:03	2
Arsenic	**4.6**		0.96	0.29	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Barium	**31**		19	0.012	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Beryllium	**0.17**	**J**	0.38	0.011	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Cadmium	**0.030**	**J**	0.48	0.014	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Calcium	**54000**		480	1.4	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Chromium	**5.8**		0.48	0.074	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Cobalt	**4.0**	**J**	4.8	0.040	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Copper	**13**		2.4	0.14	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Iron	**11000**		9.6	0.85	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Lead	**16**		0.96	0.098	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Magnesium	**20000**		480	2.0	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Manganese	**330**		1.4	0.085	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Nickel	**9.7**		3.8	0.046	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Potassium	**510**		480	6.1	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Selenium	ND		0.96	0.26	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Silver	ND		0.48	0.039	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Sodium	**64**	**J**	480	1.0	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Thallium	ND		1.9	0.14	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1

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

Client Sample ID: SSHS-B77-10-15 (12.5)

Lab Sample ID: 180-35818-40

Date Collected: 08/14/14 17:50
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 95.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	**7.1**		4.8	0.17	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1
Zinc	**36**	**B**	1.9	0.099	mg/Kg	☼	08/21/14 13:05	08/28/14 10:50	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.011	mg/Kg	☼	08/27/14 09:12	08/27/14 13:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.5**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**95**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	ND		0.55	0.16	mg/Kg	☼	08/23/14 09:00	08/23/14 10:53	1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-115034/1-A
Matrix: Solid
Analysis Batch: 115020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115034

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Benzene	ND		5.0	0.68	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Bromoform	ND		5.0	0.44	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Chloroform	ND		5.0	0.58	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Styrene	ND		5.0	0.71	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Toluene	ND		5.0	0.73	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/18/14 04:22	08/18/14 06:43	1

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

Lab Sample ID: MB 180-115034/1-A
Matrix: Solid
Analysis Batch: 115020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115034

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.0	0.66	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/18/14 04:22	08/18/14 06:43	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/18/14 04:22	08/18/14 06:43	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/18/14 04:22*	*08/18/14 06:43*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*	*08/18/14 04:22*	*08/18/14 06:43*	*1*
Dibromofluoromethane (Surr)	*99*		*68 - 121*	*08/18/14 04:22*	*08/18/14 06:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*52 - 124*	*08/18/14 04:22*	*08/18/14 06:43*	*1*
Toluene-d8 (Surr)	*95*		*72 - 127*	*08/18/14 04:22*	*08/18/14 06:43*	*1*

Lab Sample ID: LCS 180-115034/2-A
Matrix: Solid
Analysis Batch: 115020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115034

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	40.3		ug/Kg		101	20 - 150
Benzene	40.0	38.0		ug/Kg		95	77 - 120
Bromoform	40.0	34.6		ug/Kg		87	53 - 140
Bromomethane	40.0	49.3		ug/Kg		123	25 - 150
2-Butanone (MEK)	40.0	37.2		ug/Kg		93	35 - 149
Carbon disulfide	40.0	41.7		ug/Kg		104	50 - 127
Carbon tetrachloride	40.0	44.8		ug/Kg		112	69 - 122
Chlorobenzene	40.0	37.5		ug/Kg		94	79 - 120
Chlorobromomethane	40.0	37.4		ug/Kg		94	67 - 126
Chlorodibromomethane	40.0	37.9		ug/Kg		95	70 - 132
Chloroethane	40.0	46.6		ug/Kg		116	22 - 150
Chloroform	40.0	41.6		ug/Kg		104	72 - 120
Chloromethane	40.0	43.5		ug/Kg		109	44 - 131
cis-1,2-Dichloroethene	40.0	38.4		ug/Kg		96	80 - 118
cis-1,3-Dichloropropene	40.0	36.5		ug/Kg		91	73 - 120
Cyclohexane	40.0	39.8		ug/Kg		99	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	30.8		ug/Kg		77	35 - 136
1,2-Dibromoethane	40.0	37.0		ug/Kg		93	70 - 131
1,2-Dichlorobenzene	40.0	36.5		ug/Kg		91	71 - 124
1,3-Dichlorobenzene	40.0	37.0		ug/Kg		92	75 - 118
1,4-Dichlorobenzene	40.0	37.1		ug/Kg		93	77 - 116
Dichlorobromomethane	40.0	38.7		ug/Kg		97	70 - 125
Dichlorodifluoromethane	40.0	37.2		ug/Kg		93	25 - 150
1,1-Dichloroethane	40.0	39.4		ug/Kg		98	66 - 124
1,2-Dichloroethane	40.0	43.3		ug/Kg		108	61 - 127
1,1-Dichloroethene	40.0	43.6		ug/Kg		109	59 - 129
1,2-Dichloropropane	40.0	36.4		ug/Kg		91	72 - 122
1,4-Dioxane	800	727	J	ug/Kg		91	10 - 160

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

Lab Sample ID: LCS 180-115034/2-A
Matrix: Solid
Analysis Batch: 115020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115034

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	40.0	36.7		ug/Kg		92	78 - 125
2-Hexanone	40.0	38.6		ug/Kg		97	32 - 150
Isopropylbenzene	40.0	37.7		ug/Kg		94	70 - 133
Methyl acetate	200	189		ug/Kg		95	27 - 142
Methylcyclohexane	40.0	36.2		ug/Kg		90	66 - 135
Methylene Chloride	40.0	34.3		ug/Kg		86	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	39.4		ug/Kg		98	44 - 148
Methyl tert-butyl ether	40.0	42.9		ug/Kg		107	48 - 132
m-Xylene & p-Xylene	40.0	36.5		ug/Kg		91	75 - 126
o-Xylene	40.0	37.1		ug/Kg		93	83 - 127
Styrene	40.0	37.1		ug/Kg		93	83 - 129
1,1,2,2-Tetrachloroethane	40.0	35.2		ug/Kg		88	60 - 139
Tetrachloroethene	40.0	38.0		ug/Kg		95	78 - 129
Toluene	40.0	38.0		ug/Kg		95	78 - 124
trans-1,2-Dichloroethene	40.0	39.7		ug/Kg		99	77 - 121
trans-1,3-Dichloropropene	40.0	38.6		ug/Kg		97	74 - 129
1,2,3-Trichlorobenzene	40.0	25.7		ug/Kg		64	37 - 144
1,2,4-Trichlorobenzene	40.0	29.5		ug/Kg		74	51 - 136
1,1,1-Trichloroethane	40.0	45.4		ug/Kg		113	67 - 126
1,1,2-Trichloroethane	40.0	36.5		ug/Kg		91	70 - 128
Trichloroethene	40.0	35.8		ug/Kg		90	76 - 119
Trichlorofluoromethane	40.0	45.7		ug/Kg		114	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	47.9		ug/Kg		120	55 - 130
Vinyl chloride	40.0	40.4		ug/Kg		101	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*
Dibromofluoromethane (Surr)	*99*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*
Toluene-d8 (Surr)	*94*		*72 - 127*

Lab Sample ID: 180-35818-9 MS
Matrix: Solid
Analysis Batch: 115020

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 115034

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		42.5	45.7		ug/Kg	☼	108	20 - 150
Benzene	ND		42.5	43.2		ug/Kg	☼	102	77 - 120
Bromoform	ND		42.5	39.2		ug/Kg	☼	92	53 - 140
Bromomethane	ND		42.5	54.5		ug/Kg	☼	128	25 - 150
2-Butanone (MEK)	ND		42.5	39.2		ug/Kg	☼	92	35 - 149
Carbon disulfide	ND		42.5	47.2		ug/Kg	☼	111	50 - 127
Carbon tetrachloride	ND		42.5	48.9		ug/Kg	☼	115	69 - 122
Chlorobenzene	ND		42.5	40.7		ug/Kg	☼	96	79 - 120
Chlorobromomethane	ND		42.5	41.7		ug/Kg	☼	98	67 - 126
Chlorodibromomethane	ND		42.5	43.5		ug/Kg	☼	102	70 - 132
Chloroethane	ND		42.5	51.8		ug/Kg	☼	122	22 - 150

QC Sample Results

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

Lab Sample ID: 180-35818-9 MS
Matrix: Solid
Analysis Batch: 115020

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 115034

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	ND		42.5	45.7		ug/Kg	☼	108	72 - 120
Chloromethane	ND		42.5	48.5		ug/Kg	☼	114	44 - 131
cis-1,2-Dichloroethene	ND		42.5	42.8		ug/Kg	☼	101	80 - 118
cis-1,3-Dichloropropene	ND		42.5	40.8		ug/Kg	☼	96	73 - 120
Cyclohexane	ND		42.5	44.4		ug/Kg	☼	104	64 - 130
1,2-Dibromo-3-Chloropropane	ND		42.5	38.3		ug/Kg	☼	90	35 - 136
1,2-Dibromoethane	ND		42.5	41.9		ug/Kg	☼	99	70 - 131
1,2-Dichlorobenzene	ND		42.5	40.4		ug/Kg	☼	95	71 - 124
1,3-Dichlorobenzene	ND		42.5	41.0		ug/Kg	☼	96	75 - 118
1,4-Dichlorobenzene	ND		42.5	40.6		ug/Kg	☼	96	77 - 116
Dichlorobromomethane	ND		42.5	43.2		ug/Kg	☼	102	70 - 125
Dichlorodifluoromethane	ND		42.5	42.0		ug/Kg	☼	99	25 - 150
1,1-Dichloroethane	ND		42.5	44.2		ug/Kg	☼	104	66 - 124
1,2-Dichloroethane	ND		42.5	47.5		ug/Kg	☼	112	61 - 127
1,1-Dichloroethene	ND		42.5	48.1		ug/Kg	☼	113	59 - 129
1,2-Dichloropropane	ND		42.5	40.7		ug/Kg	☼	96	72 - 122
1,4-Dioxane	ND		850	740	J	ug/Kg	☼	87	10 - 160
Ethylbenzene	ND		42.5	41.0		ug/Kg	☼	97	78 - 125
2-Hexanone	ND		42.5	45.6		ug/Kg	☼	107	32 - 150
Isopropylbenzene	ND		42.5	42.1		ug/Kg	☼	99	70 - 133
Methyl acetate	ND		213	210		ug/Kg	☼	99	27 - 142
Methylcyclohexane	ND		42.5	39.6		ug/Kg	☼	93	66 - 135
Methylene Chloride	ND		42.5	39.5		ug/Kg	☼	93	58 - 127
4-Methyl-2-pentanone (MIBK)	ND		42.5	45.1		ug/Kg	☼	106	44 - 148
Methyl tert-butyl ether	ND		42.5	48.6		ug/Kg	☼	114	48 - 132
m-Xylene & p-Xylene	ND		42.5	40.6		ug/Kg	☼	95	75 - 126
o-Xylene	ND		42.5	40.9		ug/Kg	☼	96	83 - 127
Styrene	ND		42.5	41.9		ug/Kg	☼	99	83 - 129
1,1,2,2-Tetrachloroethane	ND		42.5	39.5		ug/Kg	☼	93	60 - 139
Tetrachloroethene	ND		42.5	40.9		ug/Kg	☼	96	78 - 129
Toluene	ND		42.5	42.0		ug/Kg	☼	99	78 - 124
trans-1,2-Dichloroethene	ND		42.5	45.2		ug/Kg	☼	106	77 - 121
trans-1,3-Dichloropropene	ND		42.5	43.3		ug/Kg	☼	102	74 - 129
1,2,3-Trichlorobenzene	ND		42.5	31.3		ug/Kg	☼	74	37 - 144
1,2,4-Trichlorobenzene	ND		42.5	34.9		ug/Kg	☼	82	51 - 136
1,1,1-Trichloroethane	ND		42.5	49.7		ug/Kg	☼	117	67 - 126
1,1,2-Trichloroethane	ND		42.5	41.3		ug/Kg	☼	97	70 - 128
Trichloroethene	0.60	J	42.5	40.3		ug/Kg	☼	95	76 - 119
Trichlorofluoromethane	ND		42.5	50.6		ug/Kg	☼	119	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		42.5	53.6		ug/Kg	☼	126	55 - 130
Vinyl chloride	ND		42.5	46.0		ug/Kg	☼	108	63 - 124

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*
Dibromofluoromethane (Surr)	*106*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*112*		*52 - 124*
Toluene-d8 (Surr)	*98*		*72 - 127*

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

Lab Sample ID: 180-35818-9 MSD
Client Sample ID: SSHS-B67-2-6 (4.5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115020
Prep Batch: 115034

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		40.1	45.1		ug/Kg	☼	113	20 - 150	1	40
Benzene	ND		40.1	41.8		ug/Kg	☼	104	77 - 120	3	20
Bromoform	ND		40.1	39.4		ug/Kg	☼	98	53 - 140	1	23
Bromomethane	ND		40.1	51.5		ug/Kg	☼	129	25 - 150	6	40
2-Butanone (MEK)	ND		40.1	39.2		ug/Kg	☼	98	35 - 149	0	36
Carbon disulfide	ND		40.1	46.3		ug/Kg	☼	116	50 - 127	2	23
Carbon tetrachloride	ND		40.1	49.6	F1	ug/Kg	☼	124	69 - 122	1	22
Chlorobenzene	ND		40.1	40.5		ug/Kg	☼	101	79 - 120	1	20
Chlorobromomethane	ND		40.1	43.5		ug/Kg	☼	109	67 - 126	4	29
Chlorodibromomethane	ND		40.1	42.7		ug/Kg	☼	107	70 - 132	2	20
Chloroethane	ND		40.1	57.6		ug/Kg	☼	144	22 - 150	11	40
Chloroform	ND		40.1	45.4		ug/Kg	☼	113	72 - 120	1	25
Chloromethane	ND		40.1	45.4		ug/Kg	☼	113	44 - 131	7	27
cis-1,2-Dichloroethene	ND		40.1	42.4		ug/Kg	☼	106	80 - 118	1	20
cis-1,3-Dichloropropene	ND		40.1	41.4		ug/Kg	☼	103	73 - 120	1	20
Cyclohexane	ND		40.1	43.1		ug/Kg	☼	108	64 - 130	3	21
1,2-Dibromo-3-Chloropropane	ND		40.1	36.0		ug/Kg	☼	90	35 - 136	6	40
1,2-Dibromoethane	ND		40.1	42.2		ug/Kg	☼	105	70 - 131	1	20
1,2-Dichlorobenzene	ND		40.1	40.6		ug/Kg	☼	101	71 - 124	0	22
1,3-Dichlorobenzene	ND		40.1	41.1		ug/Kg	☼	103	75 - 118	0	20
1,4-Dichlorobenzene	ND		40.1	41.8		ug/Kg	☼	104	77 - 116	3	20
Dichlorobromomethane	ND		40.1	43.3		ug/Kg	☼	108	70 - 125	0	21
Dichlorodifluoromethane	ND		40.1	39.7		ug/Kg	☼	99	25 - 150	6	34
1,1-Dichloroethane	ND		40.1	44.6		ug/Kg	☼	111	66 - 124	1	23
1,2-Dichloroethane	ND		40.1	47.3		ug/Kg	☼	118	61 - 127	1	23
1,1-Dichloroethene	ND		40.1	36.4	F2	ug/Kg	☼	91	59 - 129	28	25
1,2-Dichloropropane	ND		40.1	40.7		ug/Kg	☼	102	72 - 122	0	20
1,4-Dioxane	ND		801	743	J	ug/Kg	☼	93	10 - 160	0	40
Ethylbenzene	ND		40.1	41.3		ug/Kg	☼	103	78 - 125	1	21
2-Hexanone	ND		40.1	44.3		ug/Kg	☼	110	32 - 150	3	32
Isopropylbenzene	ND		40.1	41.4		ug/Kg	☼	103	70 - 133	2	22
Methyl acetate	ND		200	209		ug/Kg	☼	104	27 - 142	1	40
Methylcyclohexane	ND		40.1	40.5		ug/Kg	☼	101	66 - 135	2	23
Methylene Chloride	ND		40.1	39.0		ug/Kg	☼	97	58 - 127	1	28
4-Methyl-2-pentanone (MIBK)	ND		40.1	44.3		ug/Kg	☼	110	44 - 148	2	30
Methyl tert-butyl ether	ND		40.1	48.0		ug/Kg	☼	120	48 - 132	1	36
m-Xylene & p-Xylene	ND		40.1	40.8		ug/Kg	☼	102	75 - 126	1	21
o-Xylene	ND		40.1	40.5		ug/Kg	☼	101	83 - 127	1	20
Styrene	ND		40.1	40.5		ug/Kg	☼	101	83 - 129	3	20
1,1,2,2-Tetrachloroethane	ND		40.1	38.6		ug/Kg	☼	96	60 - 139	2	24
Tetrachloroethene	ND		40.1	41.2		ug/Kg	☼	103	78 - 129	1	20
Toluene	ND		40.1	41.9		ug/Kg	☼	105	78 - 124	0	21
trans-1,2-Dichloroethene	ND		40.1	44.6		ug/Kg	☼	111	77 - 121	1	20
trans-1,3-Dichloropropene	ND		40.1	43.8		ug/Kg	☼	109	74 - 129	1	20
1,2,3-Trichlorobenzene	ND		40.1	29.9		ug/Kg	☼	75	37 - 144	5	40
1,2,4-Trichlorobenzene	ND		40.1	33.0		ug/Kg	☼	82	51 - 136	6	40
1,1,1-Trichloroethane	ND		40.1	50.2		ug/Kg	☼	125	67 - 126	1	31
1,1,2-Trichloroethane	ND		40.1	42.0		ug/Kg	☼	105	70 - 128	2	22

QC Sample Results

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

Lab Sample ID: 180-35818-9 MSD
Matrix: Solid
Analysis Batch: 115020

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 115034

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	0.60	J	40.1	40.0		ug/Kg	☼	100	76 - 119	1	21
Trichlorofluoromethane	ND		40.1	48.6		ug/Kg	☼	121	20 - 150	4	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40.1	50.6		ug/Kg	☼	126	55 - 130	6	37
Vinyl chloride	ND		40.1	42.9		ug/Kg	☼	107	63 - 124	7	27

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*
Dibromofluoromethane (Surr)	*103*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*106*		*52 - 124*
Toluene-d8 (Surr)	*96*		*72 - 127*

Lab Sample ID: MB 180-115168/1-A
Matrix: Solid
Analysis Batch: 115162

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Benzene	ND		5.0	0.68	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Bromoform	ND		5.0	0.44	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Chloroform	ND		5.0	0.58	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/19/14 04:07	08/19/14 05:50	1

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

Lab Sample ID: MB 180-115168/1-A
Matrix: Solid
Analysis Batch: 115162

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		5.0	0.90	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Styrene	ND		5.0	0.71	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Toluene	ND		5.0	0.73	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Trichloroethene	ND		5.0	0.66	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/19/14 04:07	08/19/14 05:50	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/19/14 04:07*	*08/19/14 05:50*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*63 - 120*	*08/19/14 04:07*	*08/19/14 05:50*	*1*
Dibromofluoromethane (Surr)	*98*		*68 - 121*	*08/19/14 04:07*	*08/19/14 05:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*	*08/19/14 04:07*	*08/19/14 05:50*	*1*
Toluene-d8 (Surr)	*94*		*72 - 127*	*08/19/14 04:07*	*08/19/14 05:50*	*1*

Lab Sample ID: LCS 180-115168/2-A
Matrix: Solid
Analysis Batch: 115162

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	40.4		ug/Kg		101	20 - 150
Benzene	40.0	38.9		ug/Kg		97	77 - 120
Bromoform	40.0	37.8		ug/Kg		95	53 - 140
Bromomethane	40.0	46.8		ug/Kg		117	25 - 150
2-Butanone (MEK)	40.0	35.2		ug/Kg		88	35 - 149
Carbon disulfide	40.0	40.0		ug/Kg		100	50 - 127
Carbon tetrachloride	40.0	42.5		ug/Kg		106	69 - 122
Chlorobenzene	40.0	38.0		ug/Kg		95	79 - 120
Chlorobromomethane	40.0	40.1		ug/Kg		100	67 - 126
Chlorodibromomethane	40.0	40.4		ug/Kg		101	70 - 132
Chloroethane	40.0	45.0		ug/Kg		113	22 - 150

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

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

Lab Sample ID: LCS 180-115168/2-A
Matrix: Solid
Analysis Batch: 115162

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	40.0	41.7		ug/Kg		104	72 - 120
Chloromethane	40.0	41.3		ug/Kg		103	44 - 131
cis-1,2-Dichloroethene	40.0	39.6		ug/Kg		99	80 - 118
cis-1,3-Dichloropropene	40.0	37.8		ug/Kg		94	73 - 120
Cyclohexane	40.0	38.4		ug/Kg		96	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	35.1		ug/Kg		88	35 - 136
1,2-Dibromoethane	40.0	39.9		ug/Kg		100	70 - 131
1,2-Dichlorobenzene	40.0	36.2		ug/Kg		90	71 - 124
1,3-Dichlorobenzene	40.0	37.1		ug/Kg		93	75 - 118
1,4-Dichlorobenzene	40.0	36.6		ug/Kg		92	77 - 116
Dichlorobromomethane	40.0	39.0		ug/Kg		97	70 - 125
Dichlorodifluoromethane	40.0	34.5		ug/Kg		86	25 - 150
1,1-Dichloroethane	40.0	40.2		ug/Kg		100	66 - 124
1,2-Dichloroethane	40.0	42.8		ug/Kg		107	61 - 127
1,1-Dichloroethene	40.0	43.1		ug/Kg		108	59 - 129
1,2-Dichloropropane	40.0	37.2		ug/Kg		93	72 - 122
1,4-Dioxane	800	752	J	ug/Kg		94	10 - 160
Ethylbenzene	40.0	37.4		ug/Kg		94	78 - 125
2-Hexanone	40.0	39.6		ug/Kg		99	32 - 150
Isopropylbenzene	40.0	38.3		ug/Kg		96	70 - 133
Methyl acetate	200	195		ug/Kg		98	27 - 142
Methylcyclohexane	40.0	35.8		ug/Kg		90	66 - 135
Methylene Chloride	40.0	36.3		ug/Kg		91	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	40.0		ug/Kg		100	44 - 148
Methyl tert-butyl ether	40.0	44.8		ug/Kg		112	48 - 132
m-Xylene & p-Xylene	40.0	37.2		ug/Kg		93	75 - 126
o-Xylene	40.0	39.0		ug/Kg		98	83 - 127
Styrene	40.0	38.6		ug/Kg		97	83 - 129
1,1,2,2-Tetrachloroethane	40.0	38.0		ug/Kg		95	60 - 139
Tetrachloroethene	40.0	37.0		ug/Kg		93	78 - 129
Toluene	40.0	38.5		ug/Kg		96	78 - 124
trans-1,2-Dichloroethene	40.0	41.6		ug/Kg		104	77 - 121
trans-1,3-Dichloropropene	40.0	40.1		ug/Kg		100	74 - 129
1,2,3-Trichlorobenzene	40.0	26.0		ug/Kg		65	37 - 144
1,2,4-Trichlorobenzene	40.0	29.1		ug/Kg		73	51 - 136
1,1,1-Trichloroethane	40.0	42.8		ug/Kg		107	67 - 126
1,1,2-Trichloroethane	40.0	40.1		ug/Kg		100	70 - 128
Trichloroethene	40.0	35.8		ug/Kg		89	76 - 119
Trichlorofluoromethane	40.0	40.0		ug/Kg		100	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	46.5		ug/Kg		116	55 - 130
Vinyl chloride	40.0	39.3		ug/Kg		98	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*63 - 120*
Dibromofluoromethane (Surr)	*97*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*102*		*52 - 124*
Toluene-d8 (Surr)	*90*		*72 - 127*

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

Lab Sample ID: MB 180-115346/1-A
Matrix: Solid
Analysis Batch: 115342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Benzene	ND		5.0	0.68	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Bromoform	ND		5.0	0.44	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Chloroform	ND		5.0	0.58	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Styrene	ND		5.0	0.71	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Toluene	ND		5.0	0.73	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/20/14 03:43	08/20/14 05:26	1

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

Lab Sample ID: MB 180-115346/1-A
Matrix: Solid
Analysis Batch: 115342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.0	0.66	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/20/14 03:43	08/20/14 05:26	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/20/14 03:43*	*08/20/14 05:26*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*63 - 120*	*08/20/14 03:43*	*08/20/14 05:26*	*1*
Dibromofluoromethane (Surr)	*100*		*68 - 121*	*08/20/14 03:43*	*08/20/14 05:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*	*08/20/14 03:43*	*08/20/14 05:26*	*1*
Toluene-d8 (Surr)	*96*		*72 - 127*	*08/20/14 03:43*	*08/20/14 05:26*	*1*

Lab Sample ID: LCS 180-115346/2-A
Matrix: Solid
Analysis Batch: 115342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	37.7		ug/Kg		94	20 - 150
Benzene	40.0	38.2		ug/Kg		96	77 - 120
Bromoform	40.0	36.9		ug/Kg		92	53 - 140
Bromomethane	40.0	47.9		ug/Kg		120	25 - 150
2-Butanone (MEK)	40.0	33.6		ug/Kg		84	35 - 149
Carbon disulfide	40.0	39.2		ug/Kg		98	50 - 127
Carbon tetrachloride	40.0	42.8		ug/Kg		107	69 - 122
Chlorobenzene	40.0	37.5		ug/Kg		94	79 - 120
Chlorobromomethane	40.0	40.4		ug/Kg		101	67 - 126
Chlorodibromomethane	40.0	39.1		ug/Kg		98	70 - 132
Chloroethane	40.0	43.3		ug/Kg		108	22 - 150
Chloroform	40.0	40.9		ug/Kg		102	72 - 120
Chloromethane	40.0	41.3		ug/Kg		103	44 - 131
cis-1,2-Dichloroethene	40.0	39.2		ug/Kg		98	80 - 118
cis-1,3-Dichloropropene	40.0	36.6		ug/Kg		91	73 - 120
Cyclohexane	40.0	39.1		ug/Kg		98	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	36.1		ug/Kg		90	35 - 136
1,2-Dibromoethane	40.0	38.2		ug/Kg		96	70 - 131
1,2-Dichlorobenzene	40.0	36.9		ug/Kg		92	71 - 124
1,3-Dichlorobenzene	40.0	36.5		ug/Kg		91	75 - 118
1,4-Dichlorobenzene	40.0	36.9		ug/Kg		92	77 - 116
Dichlorobromomethane	40.0	38.2		ug/Kg		96	70 - 125
Dichlorodifluoromethane	40.0	32.9		ug/Kg		82	25 - 150
1,1-Dichloroethane	40.0	39.6		ug/Kg		99	66 - 124
1,2-Dichloroethane	40.0	42.2		ug/Kg		105	61 - 127
1,1-Dichloroethene	40.0	43.5		ug/Kg		109	59 - 129
1,2-Dichloropropane	40.0	36.5		ug/Kg		91	72 - 122
1,4-Dioxane	800	819	J	ug/Kg		102	10 - 160

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

Lab Sample ID: LCS 180-115346/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115342 **Prep Batch: 115346**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	40.0	37.1		ug/Kg		93	78 - 125
2-Hexanone	40.0	36.1		ug/Kg		90	32 - 150
Isopropylbenzene	40.0	38.1		ug/Kg		95	70 - 133
Methyl acetate	200	189		ug/Kg		95	27 - 142
Methylcyclohexane	40.0	36.1		ug/Kg		90	66 - 135
Methylene Chloride	40.0	37.7		ug/Kg		94	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	37.5		ug/Kg		94	44 - 148
Methyl tert-butyl ether	40.0	44.0		ug/Kg		110	48 - 132
m-Xylene & p-Xylene	40.0	36.8		ug/Kg		92	75 - 126
o-Xylene	40.0	37.2		ug/Kg		93	83 - 127
Styrene	40.0	37.7		ug/Kg		94	83 - 129
1,1,2,2-Tetrachloroethane	40.0	36.9		ug/Kg		92	60 - 139
Tetrachloroethene	40.0	36.1		ug/Kg		90	78 - 129
Toluene	40.0	36.9		ug/Kg		92	78 - 124
trans-1,2-Dichloroethene	40.0	41.2		ug/Kg		103	77 - 121
trans-1,3-Dichloropropene	40.0	39.2		ug/Kg		98	74 - 129
1,2,3-Trichlorobenzene	40.0	33.0		ug/Kg		83	37 - 144
1,2,4-Trichlorobenzene	40.0	33.6		ug/Kg		84	51 - 136
1,1,1-Trichloroethane	40.0	43.4		ug/Kg		108	67 - 126
1,1,2-Trichloroethane	40.0	38.1		ug/Kg		95	70 - 128
Trichloroethene	40.0	35.9		ug/Kg		90	76 - 119
Trichlorofluoromethane	40.0	38.9		ug/Kg		97	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	46.2		ug/Kg		116	55 - 130
Vinyl chloride	40.0	39.3		ug/Kg		98	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*
Dibromofluoromethane (Surr)	*99*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*
Toluene-d8 (Surr)	*91*		*72 - 127*

Lab Sample ID: MB 180-115538/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115535 **Prep Batch: 115538**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Benzene	ND		5.0	0.68	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Bromoform	ND		5.0	0.44	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/21/14 05:34	08/21/14 08:03	1

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

Lab Sample ID: MB 180-115538/1-A
Matrix: Solid
Analysis Batch: 115535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		5.0	0.58	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Styrene	ND		5.0	0.71	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Toluene	ND		5.0	0.73	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Trichloroethene	ND		5.0	0.66	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/21/14 05:34	08/21/14 08:03	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/21/14 05:34*	*08/21/14 08:03*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/21/14 05:34*	*08/21/14 08:03*	*1*

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

Lab Sample ID: MB 180-115538/1-A
Matrix: Solid
Analysis Batch: 115535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115538

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*101*		*68 - 121*	*08/21/14 05:34*	*08/21/14 08:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*52 - 124*	*08/21/14 05:34*	*08/21/14 08:03*	*1*
Toluene-d8 (Surr)	*97*		*72 - 127*	*08/21/14 05:34*	*08/21/14 08:03*	*1*

Lab Sample ID: LCS 180-115538/2-A
Matrix: Solid
Analysis Batch: 115535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	38.9		ug/Kg		97	20 - 150
Benzene	40.0	39.8		ug/Kg		100	77 - 120
Bromoform	40.0	37.0		ug/Kg		93	53 - 140
Bromomethane	40.0	47.4		ug/Kg		119	25 - 150
2-Butanone (MEK)	40.0	35.0		ug/Kg		88	35 - 149
Carbon disulfide	40.0	42.8		ug/Kg		107	50 - 127
Carbon tetrachloride	40.0	46.0		ug/Kg		115	69 - 122
Chlorobenzene	40.0	39.3		ug/Kg		98	79 - 120
Chlorobromomethane	40.0	42.3		ug/Kg		106	67 - 126
Chlorodibromomethane	40.0	40.7		ug/Kg		102	70 - 132
Chloroethane	40.0	44.4		ug/Kg		111	22 - 150
Chloroform	40.0	43.8		ug/Kg		109	72 - 120
Chloromethane	40.0	45.3		ug/Kg		113	44 - 131
cis-1,2-Dichloroethene	40.0	42.5		ug/Kg		106	80 - 118
cis-1,3-Dichloropropene	40.0	38.2		ug/Kg		96	73 - 120
Cyclohexane	40.0	40.5		ug/Kg		101	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	37.8		ug/Kg		94	35 - 136
1,2-Dibromoethane	40.0	40.7		ug/Kg		102	70 - 131
1,2-Dichlorobenzene	40.0	39.8		ug/Kg		100	71 - 124
1,3-Dichlorobenzene	40.0	39.0		ug/Kg		97	75 - 118
1,4-Dichlorobenzene	40.0	38.8		ug/Kg		97	77 - 116
Dichlorobromomethane	40.0	40.5		ug/Kg		101	70 - 125
Dichlorodifluoromethane	40.0	41.9		ug/Kg		105	25 - 150
1,1-Dichloroethane	40.0	41.7		ug/Kg		104	66 - 124
1,2-Dichloroethane	40.0	45.8		ug/Kg		115	61 - 127
1,1-Dichloroethene	40.0	44.9		ug/Kg		112	59 - 129
1,2-Dichloropropane	40.0	37.9		ug/Kg		95	72 - 122
1,4-Dioxane	800	849	J	ug/Kg		106	10 - 160
Ethylbenzene	40.0	39.1		ug/Kg		98	78 - 125
2-Hexanone	40.0	34.2		ug/Kg		85	32 - 150
Isopropylbenzene	40.0	40.2		ug/Kg		100	70 - 133
Methyl acetate	200	205		ug/Kg		102	27 - 142
Methylcyclohexane	40.0	37.1		ug/Kg		93	66 - 135
Methylene Chloride	40.0	39.7		ug/Kg		99	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	39.2		ug/Kg		98	44 - 148
Methyl tert-butyl ether	40.0	45.4		ug/Kg		114	48 - 132
m-Xylene & p-Xylene	40.0	39.4		ug/Kg		98	75 - 126
o-Xylene	40.0	39.5		ug/Kg		99	83 - 127
Styrene	40.0	39.8		ug/Kg		100	83 - 129

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

Lab Sample ID: LCS 180-115538/2-A
Matrix: Solid
Analysis Batch: 115535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	40.0	38.2		ug/Kg		96	60 - 139
Tetrachloroethene	40.0	38.5		ug/Kg		96	78 - 129
Toluene	40.0	39.2		ug/Kg		98	78 - 124
trans-1,2-Dichloroethene	40.0	43.6		ug/Kg		109	77 - 121
trans-1,3-Dichloropropene	40.0	41.8		ug/Kg		105	74 - 129
1,2,3-Trichlorobenzene	40.0	34.0		ug/Kg		85	37 - 144
1,2,4-Trichlorobenzene	40.0	36.0		ug/Kg		90	51 - 136
1,1,1-Trichloroethane	40.0	46.4		ug/Kg		116	67 - 126
1,1,2-Trichloroethane	40.0	39.8		ug/Kg		99	70 - 128
Trichloroethene	40.0	38.0		ug/Kg		95	76 - 119
Trichlorofluoromethane	40.0	38.0		ug/Kg		95	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	48.2		ug/Kg		121	55 - 130
Vinyl chloride	40.0	41.4		ug/Kg		103	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*
Dibromofluoromethane (Surr)	*100*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*
Toluene-d8 (Surr)	*92*		*72 - 127*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-116124/1-A
Matrix: Solid
Analysis Batch: 116206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116124

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	6.4	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Acenaphthylene	ND		67	7.6	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Acetophenone	ND		330	27	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Anthracene	ND		67	6.5	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Atrazine	ND		330	32	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Benzaldehyde	ND		330	50	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Benzo[a]anthracene	ND		67	8.4	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Benzo[a]pyrene	ND		67	6.7	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Benzo[b]fluoranthene	ND		67	10	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Benzo[g,h,i]perylene	ND		67	6.6	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Benzo[k]fluoranthene	ND		67	13	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
1,1'-Biphenyl	ND		330	30	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Bis(2-chloroethoxy)methane	ND		330	22	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Bis(2-chloroethyl)ether	ND		67	9.0	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Bis(2-ethylhexyl) phthalate	ND		670	54	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
4-Bromophenyl phenyl ether	ND		330	29	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Butyl benzyl phthalate	ND		330	46	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Caprolactam	ND		1700	250	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Carbazole	ND		67	6.1	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
4-Chloroaniline	ND		330	27	ug/Kg		08/26/14 18:45	08/27/14 11:04	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-116124/1-A
Matrix: Solid
Analysis Batch: 116206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116124

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	ND		330	31	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
2-Chloronaphthalene	ND		67	7.0	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
2-Chlorophenol	ND		330	27	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
4-Chlorophenyl phenyl ether	ND		330	37	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Chrysene	ND		67	7.9	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Dibenz(a,h)anthracene	ND		67	7.4	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Dibenzofuran	ND		330	33	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
3,3'-Dichlorobenzidine	ND		330	35	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
2,4-Dichlorophenol	ND		67	6.7	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Diethyl phthalate	ND		330	36	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
2,4-Dimethylphenol	ND		330	52	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Dimethyl phthalate	ND		330	36	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Di-n-butyl phthalate	ND		330	42	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
4,6-Dinitro-2-methylphenol	ND		1700	130	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
2,4-Dinitrophenol	ND		1700	400	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
2,4-Dinitrotoluene	ND		330	27	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
2,6-Dinitrotoluene	ND		330	34	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Di-n-octyl phthalate	ND		330	35	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
1,4-Dioxane	ND		670	38	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Fluoranthene	ND		67	7.1	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Fluorene	ND		67	8.8	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Hexachlorobenzene	ND		67	7.1	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Hexachlorobutadiene	ND		67	7.5	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Hexachlorocyclopentadiene	ND		330	36	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Hexachloroethane	ND		330	24	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Indeno[1,2,3-cd]pyrene	ND		67	6.9	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Isophorone	ND		330	25	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
2-Methylnaphthalene	ND		67	6.0	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
2-Methylphenol	ND		330	23	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Methylphenol, 3 & 4	ND		330	33	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Naphthalene	ND		67	5.7	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
2-Nitroaniline	ND		1700	150	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
3-Nitroaniline	ND		1700	140	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
4-Nitroaniline	ND		1700	140	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Nitrobenzene	ND		670	28	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
2-Nitrophenol	ND		330	37	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
4-Nitrophenol	ND		1700	120	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
N-Nitrosodi-n-propylamine	ND		67	7.8	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
N-Nitrosodiphenylamine	ND		330	31	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
2,2'-oxybis[1-chloropropane]	ND		67	7.2	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Pentachlorophenol	ND		330	30	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Phenanthrene	ND		67	11	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Phenol	ND		67	7.9	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
Pyrene	ND		67	6.7	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
1,2,4,5-Tetrachlorobenzene	ND		330	25	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
2,3,4,6-Tetrachlorophenol	ND		330	21	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
2,4,5-Trichlorophenol	ND		330	36	ug/Kg		08/26/14 18:45	08/27/14 11:04	1
2,4,6-Trichlorophenol	ND		330	50	ug/Kg		08/26/14 18:45	08/27/14 11:04	1

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

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-116124/1-A
Matrix: Solid
Analysis Batch: 116206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116124

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/26/14 18:45*	*08/27/14 11:04*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*35 - 105*	*08/26/14 18:45*	*08/27/14 11:04*	*1*
2-Fluorophenol (Surr)	*76*		*39 - 103*	*08/26/14 18:45*	*08/27/14 11:04*	*1*
Nitrobenzene-d5 (Surr)	*75*		*25 - 104*	*08/26/14 18:45*	*08/27/14 11:04*	*1*
Phenol-d5 (Surr)	*76*		*25 - 105*	*08/26/14 18:45*	*08/27/14 11:04*	*1*
Terphenyl-d14 (Surr)	*77*		*25 - 127*	*08/26/14 18:45*	*08/27/14 11:04*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*35 - 124*	*08/26/14 18:45*	*08/27/14 11:04*	*1*

Lab Sample ID: LCS 180-116124/2-A
Matrix: Solid
Analysis Batch: 116206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116124

Analyte	**Spike Added**	**LCS Result**	**LCS Qualifier**	**Unit**	**D**	**%Rec**	**%Rec. Limits**
Acenaphthene	6670	4360		ug/Kg		65	47 - 104
Acenaphthylene	6670	4470		ug/Kg		67	49 - 114
Acetophenone	6670	4000		ug/Kg		60	30 - 150
Anthracene	6670	4480		ug/Kg		67	45 - 112
Atrazine	6670	3950		ug/Kg		59	30 - 150
Benzaldehyde	6670	4040		ug/Kg		61	30 - 150
Benzo[a]anthracene	6670	4560		ug/Kg		68	47 - 110
Benzo[a]pyrene	6670	4670		ug/Kg		70	47 - 112
Benzo[b]fluoranthene	6670	4560		ug/Kg		68	41 - 107
Benzo[g,h,i]perylene	6670	4740		ug/Kg		71	38 - 126
Benzo[k]fluoranthene	6670	4260		ug/Kg		64	44 - 115
1,1'-Biphenyl	6670	4250		ug/Kg		64	30 - 150
Bis(2-chloroethoxy)methane	6670	4080		ug/Kg		61	44 - 101
Bis(2-chloroethyl)ether	6670	3950		ug/Kg		59	38 - 99
Bis(2-ethylhexyl) phthalate	6670	5130		ug/Kg		77	40 - 122
4-Bromophenyl phenyl ether	6670	4300		ug/Kg		64	47 - 110
Butyl benzyl phthalate	6670	5230		ug/Kg		78	41 - 118
Caprolactam	6670	5190		ug/Kg		78	30 - 150
Carbazole	6670	4600		ug/Kg		69	45 - 114
4-Chloroaniline	6670	4200		ug/Kg		63	25 - 108
4-Chloro-3-methylphenol	6670	4900		ug/Kg		73	47 - 109
2-Chloronaphthalene	6670	3980		ug/Kg		60	46 - 101
2-Chlorophenol	6670	4100		ug/Kg		61	40 - 101
4-Chlorophenyl phenyl ether	6670	4430		ug/Kg		67	47 - 109
Chrysene	6670	4570		ug/Kg		69	46 - 111
Dibenz(a,h)anthracene	6670	4810		ug/Kg		72	39 - 127
Dibenzofuran	6670	4420		ug/Kg		66	46 - 104
3,3'-Dichlorobenzidine	6670	4630		ug/Kg		69	19 - 122
2,4-Dichlorophenol	6670	4650		ug/Kg		70	47 - 105
Diethyl phthalate	6670	4560		ug/Kg		68	47 - 115
2,4-Dimethylphenol	6670	4570		ug/Kg		69	44 - 105
Dimethyl phthalate	6670	4520		ug/Kg		68	49 - 111

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-116124/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116206
Prep Batch: 116124

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Di-n-butyl phthalate	6670	4760		ug/Kg		71	43 - 121
4,6-Dinitro-2-methylphenol	13300	9070		ug/Kg		68	24 - 134
2,4-Dinitrophenol	13300	8840		ug/Kg		66	10 - 146
2,4-Dinitrotoluene	6670	5250		ug/Kg		79	45 - 124
2,6-Dinitrotoluene	6670	4680		ug/Kg		70	50 - 122
Di-n-octyl phthalate	6670	5190		ug/Kg		78	33 - 129
1,4-Dioxane	6670	3830		ug/Kg		57	41 - 102
Fluoranthene	6670	4850		ug/Kg		73	40 - 120
Fluorene	6670	4690		ug/Kg		70	46 - 109
Hexachlorobenzene	6670	4170		ug/Kg		63	47 - 108
Hexachlorobutadiene	6670	4630		ug/Kg		69	43 - 107
Hexachlorocyclopentadiene	6670	4190		ug/Kg		63	23 - 129
Hexachloroethane	6670	4110		ug/Kg		62	37 - 97
Indeno[1,2,3-cd]pyrene	6670	4640		ug/Kg		70	41 - 125
Isophorone	6670	4340		ug/Kg		65	47 - 110
2-Methylnaphthalene	6670	4430		ug/Kg		66	45 - 100
2-Methylphenol	6670	4270		ug/Kg		64	40 - 104
Methylphenol, 3 & 4	6670	4130		ug/Kg		62	42 - 105
Naphthalene	6670	4320		ug/Kg		65	43 - 100
2-Nitroaniline	6670	4770		ug/Kg		72	45 - 117
3-Nitroaniline	6670	4740		ug/Kg		71	34 - 122
4-Nitroaniline	6670	4910		ug/Kg		74	38 - 123
Nitrobenzene	6670	4330		ug/Kg		65	43 - 104
2-Nitrophenol	6670	4600		ug/Kg		69	46 - 106
4-Nitrophenol	13300	11400		ug/Kg		85	36 - 127
N-Nitrosodi-n-propylamine	6670	3690		ug/Kg		55	42 - 107
N-Nitrosodiphenylamine	6670	4270		ug/Kg		64	44 - 111
2,2'-oxybis[1-chloropropane]	6670	3060		ug/Kg		46	36 - 101
Pentachlorophenol	13300	9030		ug/Kg		68	17 - 122
Phenanthrene	6670	4350		ug/Kg		65	43 - 108
Phenol	6670	4070		ug/Kg		61	41 - 102
Pyrene	6670	4560		ug/Kg		68	41 - 115
1,2,4,5-Tetrachlorobenzene	6670	4280		ug/Kg		64	30 - 125
2,3,4,6-Tetrachlorophenol	6670	5040		ug/Kg		76	38 - 113
2,4,5-Trichlorophenol	6670	4740		ug/Kg		71	48 - 108
2,4,6-Trichlorophenol	6670	4700		ug/Kg		71	50 - 106

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*62*		*35 - 105*
2-Fluorophenol (Surr)	*64*		*39 - 103*
Nitrobenzene-d5 (Surr)	*64*		*25 - 104*
Phenol-d5 (Surr)	*61*		*25 - 105*
Terphenyl-d14 (Surr)	*67*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*70*		*35 - 124*

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35818-9 MS
Matrix: Solid
Analysis Batch: 116206

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116124

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	680		7950	6430		ug/Kg	☼	72	47 - 104
Acenaphthylene	48	J	7950	6070		ug/Kg	☼	76	49 - 114
Acetophenone	77	J	7950	6000		ug/Kg	☼	74	30 - 150
Anthracene	1200		7950	6900		ug/Kg	☼	71	45 - 112
Atrazine	ND		7950	5920		ug/Kg	☼	75	30 - 150
Benzaldehyde	ND		7950	1670	F1	ug/Kg	☼	21	30 - 150
Benzo[a]anthracene	1800		7950	7630		ug/Kg	☼	73	47 - 110
Benzo[a]pyrene	1600		7950	6850		ug/Kg	☼	66	47 - 112
Benzo[b]fluoranthene	1800		7950	6510		ug/Kg	☼	60	41 - 107
Benzo[g,h,i]perylene	1300		7950	8020		ug/Kg	☼	85	38 - 126
Benzo[k]fluoranthene	780		7950	5950		ug/Kg	☼	65	44 - 115
1,1'-Biphenyl	120	J	7950	5920		ug/Kg	☼	73	30 - 150
Bis(2-chloroethoxy)methane	ND		7950	5810		ug/Kg	☼	73	44 - 101
Bis(2-chloroethyl)ether	ND		7950	5670		ug/Kg	☼	71	38 - 99
Bis(2-ethylhexyl) phthalate	ND		7950	6880		ug/Kg	☼	87	40 - 122
4-Bromophenyl phenyl ether	ND		7950	5830		ug/Kg	☼	73	47 - 110
Butyl benzyl phthalate	ND		7950	6560		ug/Kg	☼	83	41 - 118
Caprolactam	ND		7950	7770		ug/Kg	☼	98	30 - 150
Carbazole	370		7950	6890		ug/Kg	☼	82	45 - 114
4-Chloroaniline	ND		7950	5780		ug/Kg	☼	73	25 - 108
4-Chloro-3-methylphenol	ND		7950	7050		ug/Kg	☼	89	47 - 109
2-Chloronaphthalene	ND		7950	5380		ug/Kg	☼	68	46 - 101
2-Chlorophenol	ND		7950	5900		ug/Kg	☼	74	40 - 101
4-Chlorophenyl phenyl ether	ND		7950	6150		ug/Kg	☼	77	47 - 109
Chrysene	1800		7950	7850		ug/Kg	☼	76	46 - 111
Dibenz(a,h)anthracene	280		7950	7540		ug/Kg	☼	91	39 - 127
Dibenzofuran	530		7950	6350		ug/Kg	☼	73	46 - 104
3,3'-Dichlorobenzidine	ND		7950	5560		ug/Kg	☼	70	19 - 122
2,4-Dichlorophenol	ND		7950	6250		ug/Kg	☼	79	47 - 105
Diethyl phthalate	ND		7950	6840		ug/Kg	☼	86	47 - 115
2,4-Dimethylphenol	ND		7950	6320		ug/Kg	☼	80	44 - 105
Dimethyl phthalate	ND		7950	6600		ug/Kg	☼	83	49 - 111
Di-n-butyl phthalate	ND		7950	6840		ug/Kg	☼	86	43 - 121
4,6-Dinitro-2-methylphenol	ND		15900	10000		ug/Kg	☼	63	24 - 134
2,4-Dinitrophenol	ND		15900	8800		ug/Kg	☼	55	10 - 146
2,4-Dinitrotoluene	ND		7950	7710		ug/Kg	☼	97	45 - 124
2,6-Dinitrotoluene	ND		7950	6890		ug/Kg	☼	87	50 - 122
Di-n-octyl phthalate	ND		7950	6030		ug/Kg	☼	76	33 - 129
1,4-Dioxane	ND		7950	5730		ug/Kg	☼	72	41 - 102
Fluoranthene	4900		7950	9780		ug/Kg	☼	61	40 - 120
Fluorene	660		7950	6940		ug/Kg	☼	79	46 - 109
Hexachlorobenzene	ND		7950	5620		ug/Kg	☼	71	47 - 108
Hexachlorobutadiene	ND		7950	6360		ug/Kg	☼	80	43 - 107
Hexachlorocyclopentadiene	ND		7950	4140		ug/Kg	☼	52	23 - 129
Hexachloroethane	ND		7950	5950		ug/Kg	☼	75	37 - 97
Indeno[1,2,3-cd]pyrene	1100		7950	7450		ug/Kg	☼	80	41 - 125
Isophorone	ND		7950	6110		ug/Kg	☼	77	47 - 110
2-Methylnaphthalene	730		7950	6600		ug/Kg	☼	74	45 - 100

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35818-9 MS
Matrix: Solid
Analysis Batch: 116206

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116124

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylphenol	ND		7950	6130		ug/Kg	☼	77	40 - 104
Methylphenol, 3 & 4	ND		7950	5940		ug/Kg	☼	75	42 - 105
Naphthalene	660		7950	6290		ug/Kg	☼	71	43 - 100
2-Nitroaniline	ND		7950	6960		ug/Kg	☼	88	45 - 117
3-Nitroaniline	ND		7950	7070		ug/Kg	☼	89	34 - 122
4-Nitroaniline	ND		7950	7410		ug/Kg	☼	93	38 - 123
Nitrobenzene	ND		7950	5810		ug/Kg	☼	73	43 - 104
2-Nitrophenol	ND		7950	6270		ug/Kg	☼	79	46 - 106
4-Nitrophenol	ND		15900	17000		ug/Kg	☼	107	36 - 127
N-Nitrosodi-n-propylamine	ND		7950	5400		ug/Kg	☼	68	42 - 107
N-Nitrosodiphenylamine	ND		7950	6150		ug/Kg	☼	77	44 - 111
2,2'-oxybis[1-chloropropane]	ND		7950	4270		ug/Kg	☼	54	36 - 101
Pentachlorophenol	ND		15900	12100		ug/Kg	☼	76	17 - 122
Phenanthrene	4200		7950	8590		ug/Kg	☼	56	43 - 108
Phenol	ND		7950	5760		ug/Kg	☼	73	41 - 102
Pyrene	3400		7950	7830		ug/Kg	☼	55	41 - 115
1,2,4,5-Tetrachlorobenzene	ND		7950	5840		ug/Kg	☼	73	30 - 125
2,3,4,6-Tetrachlorophenol	ND		7950	7200		ug/Kg	☼	91	38 - 113
2,4,5-Trichlorophenol	ND		7950	6560		ug/Kg	☼	82	48 - 108
2,4,6-Trichlorophenol	ND		7950	6400		ug/Kg	☼	80	50 - 106

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*35 - 105*
2-Fluorophenol (Surr)	*80*		*39 - 103*
Nitrobenzene-d5 (Surr)	*77*		*25 - 104*
Phenol-d5 (Surr)	*79*		*25 - 105*
Terphenyl-d14 (Surr)	*75*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*88*		*35 - 124*

Lab Sample ID: 180-35818-9 MSD
Matrix: Solid
Analysis Batch: 116206

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116124

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	680		7950	6500		ug/Kg	☼	73	47 - 104	1	40
Acenaphthylene	48	J	7950	6120		ug/Kg	☼	76	49 - 114	1	38
Acetophenone	77	J	7950	6090		ug/Kg	☼	76	30 - 150	1	40
Anthracene	1200		7950	7100		ug/Kg	☼	74	45 - 112	3	42
Atrazine	ND		7950	6080		ug/Kg	☼	76	30 - 150	3	40
Benzaldehyde	ND		7950	1710	F1	ug/Kg	☼	22	30 - 150	3	40
Benzo[a]anthracene	1800		7950	7770		ug/Kg	☼	75	47 - 110	2	40
Benzo[a]pyrene	1600		7950	7120		ug/Kg	☼	69	47 - 112	4	42
Benzo[b]fluoranthene	1800		7950	6860		ug/Kg	☼	64	41 - 107	5	53
Benzo[g,h,i]perylene	1300		7950	8590		ug/Kg	☼	92	38 - 126	7	43
Benzo[k]fluoranthene	780		7950	6270		ug/Kg	☼	69	44 - 115	5	44
1,1'-Biphenyl	120	J	7950	5910		ug/Kg	☼	73	30 - 150	0	40
Bis(2-chloroethoxy)methane	ND		7950	5880		ug/Kg	☼	74	44 - 101	1	36
Bis(2-chloroethyl)ether	ND		7950	5720		ug/Kg	☼	72	38 - 99	1	43

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35818-9 MSD
Matrix: Solid
Analysis Batch: 116206

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116124

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	ND		7950	6900		ug/Kg	☼	87	40 - 122	0	41
4-Bromophenyl phenyl ether	ND		7950	5870		ug/Kg	☼	74	47 - 110	1	46
Butyl benzyl phthalate	ND		7950	6490		ug/Kg	☼	82	41 - 118	1	41
Caprolactam	ND		7950	7880		ug/Kg	☼	99	30 - 150	1	40
Carbazole	370		7950	6940		ug/Kg	☼	83	45 - 114	1	36
4-Chloroaniline	ND		7950	5840		ug/Kg	☼	73	25 - 108	1	36
4-Chloro-3-methylphenol	ND		7950	7280		ug/Kg	☼	92	47 - 109	3	36
2-Chloronaphthalene	ND		7950	5410		ug/Kg	☼	68	46 - 101	1	40
2-Chlorophenol	ND		7950	5940		ug/Kg	☼	75	40 - 101	1	42
4-Chlorophenyl phenyl ether	ND		7950	6250		ug/Kg	☼	79	47 - 109	2	39
Chrysene	1800		7950	7890		ug/Kg	☼	76	46 - 111	1	39
Dibenz(a,h)anthracene	280		7950	7740		ug/Kg	☼	94	39 - 127	3	45
Dibenzofuran	530		7950	6390		ug/Kg	☼	74	46 - 104	1	38
3,3'-Dichlorobenzidine	ND		7950	5720		ug/Kg	☼	72	19 - 122	3	40
2,4-Dichlorophenol	ND		7950	6480		ug/Kg	☼	82	47 - 105	4	35
Diethyl phthalate	ND		7950	6710		ug/Kg	☼	84	47 - 115	2	38
2,4-Dimethylphenol	ND		7950	6360		ug/Kg	☼	80	44 - 105	1	49
Dimethyl phthalate	ND		7950	6670		ug/Kg	☼	84	49 - 111	1	37
Di-n-butyl phthalate	ND		7950	6830		ug/Kg	☼	86	43 - 121	0	38
4,6-Dinitro-2-methylphenol	ND		15900	9810		ug/Kg	☼	62	24 - 134	2	87
2,4-Dinitrophenol	ND		15900	8540		ug/Kg	☼	54	10 - 146	3	83
2,4-Dinitrotoluene	ND		7950	7520		ug/Kg	☼	95	45 - 124	3	41
2,6-Dinitrotoluene	ND		7950	6690		ug/Kg	☼	84	50 - 122	3	40
Di-n-octyl phthalate	ND		7950	6330		ug/Kg	☼	80	33 - 129	5	41
1,4-Dioxane	ND		7950	5860		ug/Kg	☼	74	41 - 102	2	35
Fluoranthene	4900		7950	9860		ug/Kg	☼	62	40 - 120	1	36
Fluorene	660		7950	6910		ug/Kg	☼	79	46 - 109	1	40
Hexachlorobenzene	ND		7950	5790		ug/Kg	☼	73	47 - 108	3	43
Hexachlorobutadiene	ND		7950	6410		ug/Kg	☼	81	43 - 107	1	39
Hexachlorocyclopentadiene	ND		7950	4020		ug/Kg	☼	51	23 - 129	3	49
Hexachloroethane	ND		7950	5900		ug/Kg	☼	74	37 - 97	1	48
Indeno[1,2,3-cd]pyrene	1100		7950	7730		ug/Kg	☼	84	41 - 125	4	47
Isophorone	ND		7950	6170		ug/Kg	☼	78	47 - 110	1	37
2-Methylnaphthalene	730		7950	6690		ug/Kg	☼	75	45 - 100	1	40
2-Methylphenol	ND		7950	6350		ug/Kg	☼	80	40 - 104	3	41
Methylphenol, 3 & 4	ND		7950	6010		ug/Kg	☼	76	42 - 105	1	43
Naphthalene	660		7950	6430		ug/Kg	☼	73	43 - 100	2	32
2-Nitroaniline	ND		7950	6950		ug/Kg	☼	87	45 - 117	0	42
3-Nitroaniline	ND		7950	6860		ug/Kg	☼	86	34 - 122	3	39
4-Nitroaniline	ND		7950	7130		ug/Kg	☼	90	38 - 123	4	40
Nitrobenzene	ND		7950	5880		ug/Kg	☼	74	43 - 104	1	33
2-Nitrophenol	ND		7950	6270		ug/Kg	☼	79	46 - 106	0	39
4-Nitrophenol	ND		15900	16900		ug/Kg	☼	106	36 - 127	1	43
N-Nitrosodi-n-propylamine	ND		7950	5550		ug/Kg	☼	70	42 - 107	3	43
N-Nitrosodiphenylamine	ND		7950	6290		ug/Kg	☼	79	44 - 111	2	40
2,2'-oxybis[1-chloropropane]	ND		7950	4330		ug/Kg	☼	54	36 - 101	1	41
Pentachlorophenol	ND		15900	12400		ug/Kg	☼	78	17 - 122	3	52
Phenanthrene	4200		7950	8760		ug/Kg	☼	58	43 - 108	2	39

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35818-9 MSD
Matrix: Solid
Analysis Batch: 116206

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116124

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenol	ND		7950	5810		ug/Kg	☼	73	41 - 102	1	39
Pyrene	3400		7950	7690		ug/Kg	☼	53	41 - 115	2	43
1,2,4,5-Tetrachlorobenzene	ND		7950	5800		ug/Kg	☼	73	30 - 125	1	25
2,3,4,6-Tetrachlorophenol	ND		7950	7050		ug/Kg	☼	89	38 - 113	2	83
2,4,5-Trichlorophenol	ND		7950	6550		ug/Kg	☼	82	48 - 108	0	44
2,4,6-Trichlorophenol	ND		7950	6620		ug/Kg	☼	83	50 - 106	3	42

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*35 - 105*
2-Fluorophenol (Surr)	*78*		*39 - 103*
Nitrobenzene-d5 (Surr)	*76*		*25 - 104*
Phenol-d5 (Surr)	*77*		*25 - 105*
Terphenyl-d14 (Surr)	*71*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*86*		*35 - 124*

Lab Sample ID: MB 180-116125/1-A
Matrix: Solid
Analysis Batch: 116446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116125

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	6.4	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Acenaphthylene	ND		67	7.6	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Acetophenone	ND		330	27	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Anthracene	ND		67	6.5	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Atrazine	ND		330	32	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Benzaldehyde	ND		330	50	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Benzo[a]anthracene	ND		67	8.4	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Benzo[a]pyrene	ND		67	6.7	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Benzo[b]fluoranthene	ND		67	10	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Benzo[g,h,i]perylene	ND		67	6.6	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Benzo[k]fluoranthene	ND		67	13	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
1,1'-Biphenyl	ND		330	30	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Bis(2-chloroethoxy)methane	ND		330	22	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Bis(2-chloroethyl)ether	ND		67	9.0	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Bis(2-ethylhexyl) phthalate	ND		670	54	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
4-Bromophenyl phenyl ether	ND		330	29	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Butyl benzyl phthalate	ND		330	46	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Caprolactam	ND		1700	250	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Carbazole	ND		67	6.1	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
4-Chloroaniline	ND		330	27	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
4-Chloro-3-methylphenol	ND		330	31	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
2-Chloronaphthalene	ND		67	7.0	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
2-Chlorophenol	ND		330	27	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
4-Chlorophenyl phenyl ether	ND		330	37	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Chrysene	ND		67	7.9	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Dibenz(a,h)anthracene	ND		67	7.4	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Dibenzofuran	ND		330	33	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
3,3'-Dichlorobenzidine	ND		330	35	ug/Kg		08/26/14 19:45	08/29/14 11:47	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-116125/1-A
Matrix: Solid
Analysis Batch: 116446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116125

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		67	6.7	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Diethyl phthalate	ND		330	36	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
2,4-Dimethylphenol	ND		330	52	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Dimethyl phthalate	ND		330	36	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Di-n-butyl phthalate	ND		330	42	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
4,6-Dinitro-2-methylphenol	ND		1700	130	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
2,4-Dinitrophenol	ND		1700	400	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
2,4-Dinitrotoluene	ND		330	27	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
2,6-Dinitrotoluene	ND		330	34	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Di-n-octyl phthalate	ND		330	35	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
1,4-Dioxane	ND		670	38	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Fluoranthene	ND		67	7.1	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Fluorene	ND		67	8.8	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Hexachlorobenzene	ND		67	7.1	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Hexachlorobutadiene	ND		67	7.5	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Hexachlorocyclopentadiene	ND		330	36	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Hexachloroethane	ND		330	24	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Indeno[1,2,3-cd]pyrene	ND		67	6.9	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Isophorone	ND		330	25	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
2-Methylnaphthalene	ND		67	6.0	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
2-Methylphenol	ND		330	23	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Methylphenol, 3 & 4	ND		330	33	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Naphthalene	ND		67	5.7	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
2-Nitroaniline	ND		1700	150	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
3-Nitroaniline	ND		1700	140	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
4-Nitroaniline	ND		1700	140	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Nitrobenzene	ND		670	28	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
2-Nitrophenol	ND		330	37	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
4-Nitrophenol	ND		1700	120	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
N-Nitrosodi-n-propylamine	ND		67	7.8	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
N-Nitrosodiphenylamine	ND		330	31	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
2,2'-oxybis[1-chloropropane]	ND		67	7.2	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Pentachlorophenol	ND		330	30	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Phenanthrene	ND		67	11	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Phenol	ND		67	7.9	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
Pyrene	ND		67	6.7	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
1,2,4,5-Tetrachlorobenzene	ND		330	25	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
2,3,4,6-Tetrachlorophenol	ND		330	21	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
2,4,5-Trichlorophenol	ND		330	36	ug/Kg		08/26/14 19:45	08/29/14 11:47	1
2,4,6-Trichlorophenol	ND		330	50	ug/Kg		08/26/14 19:45	08/29/14 11:47	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/26/14 19:45*	*08/29/14 11:47*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*08/26/14 19:45*	*08/29/14 11:47*	*1*
2-Fluorophenol (Surr)	*80*		*39 - 103*	*08/26/14 19:45*	*08/29/14 11:47*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-116125/1-A
Matrix: Solid
Analysis Batch: 116446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116125

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*86*		*25 - 104*	*08/26/14 19:45*	*08/29/14 11:47*	*1*
Phenol-d5 (Surr)	*80*		*25 - 105*	*08/26/14 19:45*	*08/29/14 11:47*	*1*
Terphenyl-d14 (Surr)	*67*		*25 - 127*	*08/26/14 19:45*	*08/29/14 11:47*	*1*
2,4,6-Tribromophenol (Surr)	*48*		*35 - 124*	*08/26/14 19:45*	*08/29/14 11:47*	*1*

Lab Sample ID: LCS 180-116125/2-A
Matrix: Solid
Analysis Batch: 116446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116125

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	6670	4160		ug/Kg		62	47 - 104
Acenaphthylene	6670	4330		ug/Kg		65	49 - 114
Acetophenone	6670	4500		ug/Kg		67	30 - 150
Anthracene	6670	4510		ug/Kg		68	45 - 112
Atrazine	6670	4150		ug/Kg		62	30 - 150
Benzaldehyde	6670	1620	*	ug/Kg		24	30 - 150
Benzo[a]anthracene	6670	4250		ug/Kg		64	47 - 110
Benzo[a]pyrene	6670	4010		ug/Kg		60	47 - 112
Benzo[b]fluoranthene	6670	3760		ug/Kg		56	41 - 107
Benzo[g,h,i]perylene	6670	4280		ug/Kg		64	38 - 126
Benzo[k]fluoranthene	6670	4120		ug/Kg		62	44 - 115
1,1'-Biphenyl	6670	4350		ug/Kg		65	30 - 150
Bis(2-chloroethoxy)methane	6670	4520		ug/Kg		68	44 - 101
Bis(2-chloroethyl)ether	6670	4670		ug/Kg		70	38 - 99
Bis(2-ethylhexyl) phthalate	6670	4780		ug/Kg		72	40 - 122
4-Bromophenyl phenyl ether	6670	4320		ug/Kg		65	47 - 110
Butyl benzyl phthalate	6670	4450		ug/Kg		67	41 - 118
Caprolactam	6670	5270		ug/Kg		79	30 - 150
Carbazole	6670	4150		ug/Kg		62	45 - 114
4-Chloroaniline	6670	4050		ug/Kg		61	25 - 108
4-Chloro-3-methylphenol	6670	4570		ug/Kg		69	47 - 109
2-Chloronaphthalene	6670	3970		ug/Kg		60	46 - 101
2-Chlorophenol	6670	4590		ug/Kg		69	40 - 101
4-Chlorophenyl phenyl ether	6670	4550		ug/Kg		68	47 - 109
Chrysene	6670	4080		ug/Kg		61	46 - 111
Dibenz(a,h)anthracene	6670	4440		ug/Kg		67	39 - 127
Dibenzofuran	6670	4230		ug/Kg		63	46 - 104
3,3'-Dichlorobenzidine	6670	4080		ug/Kg		61	19 - 122
2,4-Dichlorophenol	6670	4510		ug/Kg		68	47 - 105
Diethyl phthalate	6670	4350		ug/Kg		65	47 - 115
2,4-Dimethylphenol	6670	4560		ug/Kg		68	44 - 105
Dimethyl phthalate	6670	4480		ug/Kg		67	49 - 111
Di-n-butyl phthalate	6670	4160		ug/Kg		62	43 - 121
4,6-Dinitro-2-methylphenol	13300	7950		ug/Kg		60	24 - 134
2,4-Dinitrophenol	13300	6450		ug/Kg		48	10 - 146
2,4-Dinitrotoluene	6670	4760		ug/Kg		71	45 - 124
2,6-Dinitrotoluene	6670	4660		ug/Kg		70	50 - 122
Di-n-octyl phthalate	6670	4700		ug/Kg		70	33 - 129

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

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-116125/2-A
Matrix: Solid
Analysis Batch: 116446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116125

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	6670	5260		ug/Kg		79	41 - 102
Fluoranthene	6670	4540		ug/Kg		68	40 - 120
Fluorene	6670	4680		ug/Kg		70	46 - 109
Hexachlorobenzene	6670	3980		ug/Kg		60	47 - 108
Hexachlorobutadiene	6670	4880		ug/Kg		73	43 - 107
Hexachlorocyclopentadiene	6670	3330		ug/Kg		50	23 - 129
Hexachloroethane	6670	4810		ug/Kg		72	37 - 97
Indeno[1,2,3-cd]pyrene	6670	4290		ug/Kg		64	41 - 125
Isophorone	6670	5470		ug/Kg		82	47 - 110
2-Methylnaphthalene	6670	4320		ug/Kg		65	45 - 100
2-Methylphenol	6670	4880		ug/Kg		73	40 - 104
Methylphenol, 3 & 4	6670	4640		ug/Kg		70	42 - 105
Naphthalene	6670	4420		ug/Kg		66	43 - 100
2-Nitroaniline	6670	6010		ug/Kg		90	45 - 117
3-Nitroaniline	6670	4420		ug/Kg		66	34 - 122
4-Nitroaniline	6670	4570		ug/Kg		69	38 - 123
Nitrobenzene	6670	5300		ug/Kg		80	43 - 104
2-Nitrophenol	6670	4770		ug/Kg		72	46 - 106
4-Nitrophenol	13300	10100		ug/Kg		76	36 - 127
N-Nitrosodi-n-propylamine	6670	5410		ug/Kg		81	42 - 107
N-Nitrosodiphenylamine	6670	4260		ug/Kg		64	44 - 111
2,2'-oxybis[1-chloropropane]	6670	5000		ug/Kg		75	36 - 101
Pentachlorophenol	13300	5540		ug/Kg		42	17 - 122
Phenanthrene	6670	4340		ug/Kg		65	43 - 108
Phenol	6670	4900		ug/Kg		73	41 - 102
Pyrene	6670	4270		ug/Kg		64	41 - 115
1,2,4,5-Tetrachlorobenzene	6670	4550		ug/Kg		68	30 - 125
2,3,4,6-Tetrachlorophenol	6670	3820		ug/Kg		57	38 - 113
2,4,5-Trichlorophenol	6670	4510		ug/Kg		68	48 - 108
2,4,6-Trichlorophenol	6670	4530		ug/Kg		68	50 - 106

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*65*		*35 - 105*
2-Fluorophenol (Surr)	*73*		*39 - 103*
Nitrobenzene-d5 (Surr)	*82*		*25 - 104*
Phenol-d5 (Surr)	*76*		*25 - 105*
Terphenyl-d14 (Surr)	*61*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*58*		*35 - 124*

Lab Sample ID: 180-35818-21 MS
Matrix: Solid
Analysis Batch: 116446

Client Sample ID: SSHS-B84-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116125

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		7160	5420		ug/Kg	☼	76	47 - 104
Acenaphthylene	ND		7160	5600		ug/Kg	☼	78	49 - 114
Acetophenone	ND		7160	5880		ug/Kg	☼	82	30 - 150
Anthracene	ND		7160	5840		ug/Kg	☼	82	45 - 112

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35818-21 MS
Matrix: Solid
Analysis Batch: 116446

Client Sample ID: SSHS-B84-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116125

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	ND		7160	5680		ug/Kg	☼	79	30 - 150
Benzaldehyde	ND	*	7160	2950		ug/Kg	☼	41	30 - 150
Benzo[a]anthracene	ND		7160	5800		ug/Kg	☼	81	47 - 110
Benzo[a]pyrene	ND		7160	5500		ug/Kg	☼	77	47 - 112
Benzo[b]fluoranthene	ND		7160	5180		ug/Kg	☼	72	41 - 107
Benzo[g,h,i]perylene	ND		7160	5770		ug/Kg	☼	81	38 - 126
Benzo[k]fluoranthene	ND		7160	5590		ug/Kg	☼	78	44 - 115
1,1'-Biphenyl	ND		7160	5720		ug/Kg	☼	80	30 - 150
Bis(2-chloroethoxy)methane	ND		7160	6090		ug/Kg	☼	85	44 - 101
Bis(2-chloroethyl)ether	ND		7160	6130		ug/Kg	☼	86	38 - 99
Bis(2-ethylhexyl) phthalate	ND		7160	6400		ug/Kg	☼	89	40 - 122
4-Bromophenyl phenyl ether	ND		7160	5750		ug/Kg	☼	80	47 - 110
Butyl benzyl phthalate	ND		7160	6220		ug/Kg	☼	87	41 - 118
Caprolactam	ND		7160	6230		ug/Kg	☼	87	30 - 150
Carbazole	ND		7160	5620		ug/Kg	☼	78	45 - 114
4-Chloroaniline	ND		7160	5190		ug/Kg	☼	72	25 - 108
4-Chloro-3-methylphenol	ND		7160	6160		ug/Kg	☼	86	47 - 109
2-Chloronaphthalene	ND		7160	5100		ug/Kg	☼	71	46 - 101
2-Chlorophenol	ND		7160	5840		ug/Kg	☼	81	40 - 101
4-Chlorophenyl phenyl ether	ND		7160	6080		ug/Kg	☼	85	47 - 109
Chrysene	ND		7160	5560		ug/Kg	☼	78	46 - 111
Dibenz(a,h)anthracene	ND		7160	5760		ug/Kg	☼	80	39 - 127
Dibenzofuran	ND		7160	5490		ug/Kg	☼	77	46 - 104
3,3'-Dichlorobenzidine	ND		7160	4880		ug/Kg	☼	68	19 - 122
2,4-Dichlorophenol	ND		7160	6120		ug/Kg	☼	85	47 - 105
Diethyl phthalate	ND		7160	5830		ug/Kg	☼	81	47 - 115
2,4-Dimethylphenol	ND		7160	4990		ug/Kg	☼	70	44 - 105
Dimethyl phthalate	ND		7160	5910		ug/Kg	☼	83	49 - 111
Di-n-butyl phthalate	ND		7160	5590		ug/Kg	☼	78	43 - 121
4,6-Dinitro-2-methylphenol	ND		14300	11000		ug/Kg	☼	77	24 - 134
2,4-Dinitrophenol	ND		14300	7870		ug/Kg	☼	55	10 - 146
2,4-Dinitrotoluene	ND		7160	6360		ug/Kg	☼	89	45 - 124
2,6-Dinitrotoluene	ND		7160	6030		ug/Kg	☼	84	50 - 122
Di-n-octyl phthalate	ND		7160	6560		ug/Kg	☼	92	33 - 129
1,4-Dioxane	ND		7160	5630		ug/Kg	☼	79	41 - 102
Fluoranthene	ND		7160	5930		ug/Kg	☼	83	40 - 120
Fluorene	ND		7160	5950		ug/Kg	☼	83	46 - 109
Hexachlorobenzene	ND		7160	5130		ug/Kg	☼	72	47 - 108
Hexachlorobutadiene	ND		7160	6510		ug/Kg	☼	91	43 - 107
Hexachlorocyclopentadiene	ND		7160	4260		ug/Kg	☼	60	23 - 129
Hexachloroethane	ND		7160	6180		ug/Kg	☼	86	37 - 97
Indeno[1,2,3-cd]pyrene	ND		7160	5720		ug/Kg	☼	80	41 - 125
Isophorone	ND		7160	7330		ug/Kg	☼	102	47 - 110
2-Methylnaphthalene	ND		7160	5950		ug/Kg	☼	83	45 - 100
2-Methylphenol	ND		7160	5990		ug/Kg	☼	84	40 - 104
Methylphenol, 3 & 4	ND		7160	5810		ug/Kg	☼	81	42 - 105
Naphthalene	ND		7160	5850		ug/Kg	☼	82	43 - 100
2-Nitroaniline	ND		7160	7690		ug/Kg	☼	107	45 - 117

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35818-21 MS
Matrix: Solid
Analysis Batch: 116446

Client Sample ID: SSHS-B84-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116125

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
3-Nitroaniline	ND		7160	5530		ug/Kg	☼	77	34 - 122
4-Nitroaniline	ND		7160	5650		ug/Kg	☼	79	38 - 123
Nitrobenzene	ND		7160	7090		ug/Kg	☼	99	43 - 104
2-Nitrophenol	ND		7160	6390		ug/Kg	☼	89	46 - 106
4-Nitrophenol	ND		14300	13600		ug/Kg	☼	95	36 - 127
N-Nitrosodi-n-propylamine	ND		7160	6990		ug/Kg	☼	98	42 - 107
N-Nitrosodiphenylamine	ND		7160	5370		ug/Kg	☼	75	44 - 111
2,2'-oxybis[1-chloropropane]	ND		7160	6410		ug/Kg	☼	90	36 - 101
Pentachlorophenol	ND		14300	7910		ug/Kg	☼	55	17 - 122
Phenanthrene	ND		7160	5670		ug/Kg	☼	79	43 - 108
Phenol	ND		7160	6160		ug/Kg	☼	86	41 - 102
Pyrene	ND		7160	5890		ug/Kg	☼	82	41 - 115
1,2,4,5-Tetrachlorobenzene	ND		7160	5860		ug/Kg	☼	82	30 - 125
2,3,4,6-Tetrachlorophenol	ND		7160	5320		ug/Kg	☼	74	38 - 113
2,4,5-Trichlorophenol	ND		7160	5880		ug/Kg	☼	82	48 - 108
2,4,6-Trichlorophenol	ND		7160	5740		ug/Kg	☼	80	50 - 106

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*35 - 105*
2-Fluorophenol (Surr)	*84*		*39 - 103*
Nitrobenzene-d5 (Surr)	*100*		*25 - 104*
Phenol-d5 (Surr)	*93*		*25 - 105*
Terphenyl-d14 (Surr)	*79*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 124*

Lab Sample ID: 180-35818-21 MSD
Matrix: Solid
Analysis Batch: 116273

Client Sample ID: SSHS-B84-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116125

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		7160	5560		ug/Kg	☼	78	47 - 104	3	40
Acenaphthylene	ND		7160	5760		ug/Kg	☼	80	49 - 114	3	38
Acetophenone	ND		7160	5620		ug/Kg	☼	78	30 - 150	5	40
Anthracene	ND		7160	5970		ug/Kg	☼	83	45 - 112	2	42
Atrazine	ND		7160	5720		ug/Kg	☼	80	30 - 150	1	40
Benzaldehyde	ND	*	7160	2340		ug/Kg	☼	33	30 - 150	23	40
Benzo[a]anthracene	ND		7160	5790		ug/Kg	☼	81	47 - 110	0	40
Benzo[a]pyrene	ND		7160	5550		ug/Kg	☼	78	47 - 112	1	42
Benzo[b]fluoranthene	ND		7160	5160		ug/Kg	☼	72	41 - 107	0	53
Benzo[g,h,i]perylene	ND		7160	5870		ug/Kg	☼	82	38 - 126	2	43
Benzo[k]fluoranthene	ND		7160	5580		ug/Kg	☼	78	44 - 115	0	44
1,1'-Biphenyl	ND		7160	5850		ug/Kg	☼	82	30 - 150	2	40
Bis(2-chloroethoxy)methane	ND		7160	5900		ug/Kg	☼	82	44 - 101	3	36
Bis(2-chloroethyl)ether	ND		7160	5740		ug/Kg	☼	80	38 - 99	7	43
Bis(2-ethylhexyl) phthalate	ND		7160	6710		ug/Kg	☼	94	40 - 122	5	41
4-Bromophenyl phenyl ether	ND		7160	5690		ug/Kg	☼	79	47 - 110	1	46
Butyl benzyl phthalate	ND		7160	6430		ug/Kg	☼	90	41 - 118	3	41
Caprolactam	ND		7160	6710		ug/Kg	☼	94	30 - 150	7	40

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35818-21 MSD
Matrix: Solid
Analysis Batch: 116273

Client Sample ID: SSHS-B84-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116125

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbazole	ND		7160	5640		ug/Kg	☼	79	45 - 114	0	36
4-Chloroaniline	ND		7160	5020		ug/Kg	☼	70	25 - 108	3	36
4-Chloro-3-methylphenol	ND		7160	6100		ug/Kg	☼	85	47 - 109	1	36
2-Chloronaphthalene	ND		7160	5080		ug/Kg	☼	71	46 - 101	0	40
2-Chlorophenol	ND		7160	5470		ug/Kg	☼	76	40 - 101	6	42
4-Chlorophenyl phenyl ether	ND		7160	6190		ug/Kg	☼	86	47 - 109	2	39
Chrysene	ND		7160	5550		ug/Kg	☼	78	46 - 111	0	39
Dibenz(a,h)anthracene	ND		7160	5820		ug/Kg	☼	81	39 - 127	1	45
Dibenzofuran	ND		7160	5640		ug/Kg	☼	79	46 - 104	3	38
3,3'-Dichlorobenzidine	ND		7160	4870		ug/Kg	☼	68	19 - 122	0	40
2,4-Dichlorophenol	ND		7160	5830		ug/Kg	☼	81	47 - 105	5	35
Diethyl phthalate	ND		7160	6130		ug/Kg	☼	85	47 - 115	5	38
2,4-Dimethylphenol	ND		7160	5020		ug/Kg	☼	70	44 - 105	1	49
Dimethyl phthalate	ND		7160	6130		ug/Kg	☼	86	49 - 111	4	37
Di-n-butyl phthalate	ND		7160	5780		ug/Kg	☼	81	43 - 121	3	38
4,6-Dinitro-2-methylphenol	ND		14300	10800		ug/Kg	☼	76	24 - 134	2	87
2,4-Dinitrophenol	ND		14300	7540		ug/Kg	☼	53	10 - 146	4	83
2,4-Dinitrotoluene	ND		7160	6470		ug/Kg	☼	90	45 - 124	2	41
2,6-Dinitrotoluene	ND		7160	6280		ug/Kg	☼	88	50 - 122	4	40
Di-n-octyl phthalate	ND		7160	6970		ug/Kg	☼	97	33 - 129	6	41
1,4-Dioxane	ND		7160	5040		ug/Kg	☼	70	41 - 102	11	35
Fluoranthene	ND		7160	6260		ug/Kg	☼	87	40 - 120	5	36
Fluorene	ND		7160	6230		ug/Kg	☼	87	46 - 109	5	40
Hexachlorobenzene	ND		7160	5330		ug/Kg	☼	74	47 - 108	4	43
Hexachlorobutadiene	ND		7160	6210		ug/Kg	☼	87	43 - 107	5	39
Hexachlorocyclopentadiene	ND		7160	4140		ug/Kg	☼	58	23 - 129	3	49
Hexachloroethane	ND		7160	5600		ug/Kg	☼	78	37 - 97	10	48
Indeno[1,2,3-cd]pyrene	ND		7160	5700		ug/Kg	☼	80	41 - 125	0	47
Isophorone	ND		7160	7210		ug/Kg	☼	101	47 - 110	2	37
2-Methylnaphthalene	ND		7160	5660		ug/Kg	☼	79	45 - 100	5	40
2-Methylphenol	ND		7160	5870		ug/Kg	☼	82	40 - 104	2	41
Methylphenol, 3 & 4	ND		7160	5560		ug/Kg	☼	78	42 - 105	4	43
Naphthalene	ND		7160	5660		ug/Kg	☼	79	43 - 100	3	32
2-Nitroaniline	ND		7160	7920		ug/Kg	☼	111	45 - 117	3	42
3-Nitroaniline	ND		7160	5610		ug/Kg	☼	78	34 - 122	2	39
4-Nitroaniline	ND		7160	5850		ug/Kg	☼	82	38 - 123	4	40
Nitrobenzene	ND		7160	6710		ug/Kg	☼	94	43 - 104	6	33
2-Nitrophenol	ND		7160	6150		ug/Kg	☼	86	46 - 106	4	39
4-Nitrophenol	ND		14300	12700		ug/Kg	☼	89	36 - 127	7	43
N-Nitrosodi-n-propylamine	ND		7160	6750		ug/Kg	☼	94	42 - 107	4	43
N-Nitrosodiphenylamine	ND		7160	5610		ug/Kg	☼	78	44 - 111	4	40
2,2'-oxybis[1-chloropropane]	ND		7160	6150		ug/Kg	☼	86	36 - 101	4	41
Pentachlorophenol	ND		14300	7770		ug/Kg	☼	54	17 - 122	2	52
Phenanthrene	ND		7160	5810		ug/Kg	☼	81	43 - 108	3	39
Phenol	ND		7160	5470		ug/Kg	☼	76	41 - 102	12	39
Pyrene	ND		7160	5850		ug/Kg	☼	82	41 - 115	1	43
1,2,4,5-Tetrachlorobenzene	ND		7160	6050		ug/Kg	☼	84	30 - 125	3	25
2,3,4,6-Tetrachlorophenol	ND		7160	5530		ug/Kg	☼	77	38 - 113	4	83

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35818-21 MSD
Matrix: Solid
Analysis Batch: 116273

Client Sample ID: SSHS-B84-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116125

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	ND		7160	5520		ug/Kg	☼	77	48 - 108	6	44
2,4,6-Trichlorophenol	ND		7160	5940		ug/Kg	☼	83	50 - 106	3	42

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*35 - 105*
2-Fluorophenol (Surr)	*77*		*39 - 103*
Nitrobenzene-d5 (Surr)	*97*		*25 - 104*
Phenol-d5 (Surr)	*86*		*25 - 105*
Terphenyl-d14 (Surr)	*81*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*75*		*35 - 124*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-116007/1-A
Matrix: Solid
Analysis Batch: 116178

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116007

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.30	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
alpha-BHC	ND		1.7	0.27	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
alpha-Chlordane	ND		1.7	0.33	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
beta-BHC	ND		1.7	0.43	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
4,4'-DDD	ND		1.7	0.22	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
delta-BHC	ND		1.7	0.26	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Dieldrin	ND		1.7	0.28	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Endosulfan I	ND		1.7	0.31	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Endosulfan II	ND		1.7	0.29	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Endosulfan sulfate	ND		1.7	0.17	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Endrin	ND		1.7	0.32	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Endrin aldehyde	ND		1.7	0.32	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Endrin ketone	ND		1.7	0.26	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
gamma-BHC (Lindane)	ND		1.7	0.29	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
gamma-Chlordane	ND		1.7	0.33	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Heptachlor	ND		1.7	0.37	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Heptachlor epoxide	ND		1.7	0.32	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Methoxychlor	ND		3.3	0.35	ug/Kg		08/26/14 07:50	08/27/14 10:44	1
Toxaphene	ND		67	11	ug/Kg		08/26/14 07:50	08/27/14 10:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*99*		*45 - 130*	*08/26/14 07:50*	*08/27/14 10:44*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*45 - 130*	*08/26/14 07:50*	*08/27/14 10:44*	*1*
Tetrachloro-m-xylene	*98*		*45 - 130*	*08/26/14 07:50*	*08/27/14 10:44*	*1*
Tetrachloro-m-xylene	*93*		*45 - 130*	*08/26/14 07:50*	*08/27/14 10:44*	*1*

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-116007/2-A
Matrix: Solid
Analysis Batch: 116178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116007

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	33.3	35.1		ug/Kg		105	70 - 123
alpha-BHC	33.3	32.5		ug/Kg		98	59 - 127
alpha-Chlordane	33.3	35.3		ug/Kg		106	71 - 130
beta-BHC	33.3	32.8		ug/Kg		98	70 - 138
4,4'-DDD	33.3	34.9		ug/Kg		105	65 - 135
4,4'-DDE	33.3	34.1		ug/Kg		102	70 - 133
4,4'-DDT	33.3	32.7		ug/Kg		98	10 - 140
delta-BHC	33.3	31.1		ug/Kg		93	40 - 124
Dieldrin	33.3	35.2		ug/Kg		106	70 - 123
Endosulfan I	33.3	36.3		ug/Kg		109	62 - 126
Endosulfan II	33.3	37.0		ug/Kg		111	65 - 128
Endosulfan sulfate	33.3	36.4		ug/Kg		109	55 - 140
Endrin	33.3	36.0		ug/Kg		108	70 - 127
Endrin aldehyde	33.3	37.4		ug/Kg		112	65 - 122
Endrin ketone	33.3	34.5		ug/Kg		104	59 - 132
gamma-BHC (Lindane)	33.3	34.3		ug/Kg		103	66 - 124
gamma-Chlordane	33.3	35.7		ug/Kg		107	68 - 123
Heptachlor	33.3	34.1		ug/Kg		102	70 - 128
Heptachlor epoxide	33.3	35.3		ug/Kg		106	69 - 131
Methoxychlor	33.3	31.2		ug/Kg		94	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*100*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*99*		*45 - 130*
Tetrachloro-m-xylene	*100*		*45 - 130*
Tetrachloro-m-xylene	*96*		*45 - 130*

Lab Sample ID: 180-35818-9 MS
Matrix: Solid
Analysis Batch: 116178

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116007

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
alpha-BHC	ND		39.2	27.5		ug/Kg	☼	70	59 - 127
alpha-Chlordane	40	p	39.2	50.9	F1 p	ug/Kg	☼	27	71 - 130
beta-BHC	220	p	39.2	184	p 4	ug/Kg	☼	-101	70 - 138
4,4'-DDD	10	p	39.2	104	F1 p	ug/Kg	☼	240	65 - 135
4,4'-DDE	ND		39.2	ND	F1	ug/Kg	☼	0	70 - 133
4,4'-DDT	150	p	39.2	140	F1 p	ug/Kg	☼	-21	10 - 140
delta-BHC	ND		39.2	ND	F1	ug/Kg	☼	0	40 - 124
Dieldrin	82		39.2	46.6	F1 p	ug/Kg	☼	-90	70 - 123
Endosulfan I	130		39.2	122	F1	ug/Kg	☼	-19	62 - 126
Endosulfan II	30	p	39.2	47.0	F1 p	ug/Kg	☼	44	65 - 128
Endosulfan sulfate	78	p	39.2	83.0	F1 p	ug/Kg	☼	12	55 - 140
Endrin aldehyde	89		39.2	76.0	F1	ug/Kg	☼	-34	65 - 122
Endrin ketone	58	p	39.2	29.7	F1 p	ug/Kg	☼	-71	59 - 132
gamma-BHC (Lindane)	17	p	39.2	32.6	F1 p	ug/Kg	☼	41	66 - 124
gamma-Chlordane	1600		39.2	1570	E 4	ug/Kg	☼	-124	68 - 123
Heptachlor	250	p	39.2	207	p 4	ug/Kg	☼	-101	70 - 128

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35818-9 MS
Client Sample ID: SSHS-B67-2-6 (4.5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116178
Prep Batch: 116007

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methoxychlor	410		39.2	32.0	p 4	ug/Kg	☼	-971	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 130*
Tetrachloro-m-xylene	*92*		*45 - 130*
Tetrachloro-m-xylene	*73*		*45 - 130*

Lab Sample ID: 180-35818-9 MS
Client Sample ID: SSHS-B67-2-6 (4.5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116355
Prep Batch: 116007

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	880	p	39.2	610	p 4	ug/Kg	☼	-681	70 - 123
Endrin	490	p	39.2	382	p 4	ug/Kg	☼	-279	70 - 127
gamma-Chlordane	2100		39.2	1590	4	ug/Kg	☼	-1302	68 - 123
Heptachlor epoxide	2700		39.2	1370	p 4	ug/Kg	☼	-3493	69 - 131

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*87*	*D*	*45 - 130*
DCB Decachlorobiphenyl (Surr)	*89*	*D*	*45 - 130*
Tetrachloro-m-xylene	*104*	*D*	*45 - 130*
Tetrachloro-m-xylene	*85*	*D*	*45 - 130*

Lab Sample ID: 180-35818-9 MSD
Client Sample ID: SSHS-B67-2-6 (4.5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116178
Prep Batch: 116007

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
alpha-BHC	ND		38.7	26.7		ug/Kg	☼	69	59 - 127	3	20
alpha-Chlordane	40	p	38.7	43.2	p F1	ug/Kg	☼	7	71 - 130	16	20
beta-BHC	220	p	38.7	182	p 4	ug/Kg	☼	-108	70 - 138	1	20
4,4'-DDD	10	p	38.7	104	F1 p	ug/Kg	☼	242	65 - 135	0	20
4,4'-DDE	ND		38.7	ND	F1	ug/Kg	☼	0	70 - 133	NC	20
4,4'-DDT	150	p	38.7	131	p F1	ug/Kg	☼	-46	10 - 140	7	37
delta-BHC	ND		38.7	ND	F1	ug/Kg	☼	0	40 - 124	NC	20
Dieldrin	82		38.7	46.0	p F1	ug/Kg	☼	-93	70 - 123	1	20
Endosulfan I	130		38.7	120	F1	ug/Kg	☼	-23	62 - 126	1	23
Endosulfan II	30	p	38.7	40.0	p F1	ug/Kg	☼	27	65 - 128	16	33
Endosulfan sulfate	78	p	38.7	78.3	p F1	ug/Kg	☼	0.4	55 - 140	6	26
Endrin aldehyde	89		38.7	49.4	p F1 F2	ug/Kg	☼	-103	65 - 122	43	20
Endrin ketone	58	p	38.7	51.1	p F1 F2	ug/Kg	☼	-17	59 - 132	53	20
gamma-BHC (Lindane)	17	p	38.7	31.7	p F1	ug/Kg	☼	39	66 - 124	3	20
Heptachlor	250	p	38.7	201	p 4	ug/Kg	☼	-120	70 - 128	3	20
Methoxychlor	410		38.7	27.5	p 4	ug/Kg	☼	-996	10 - 150	15	26

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35818-9 MSD **Client Sample ID: SSHS-B67-2-6 (4.5)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116178 **Prep Batch: 116007**

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 130*
Tetrachloro-m-xylene	*89*		*45 - 130*
Tetrachloro-m-xylene	*73*		*45 - 130*

Lab Sample ID: 180-35818-9 MSD **Client Sample ID: SSHS-B67-2-6 (4.5)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116355 **Prep Batch: 116007**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	880	p	38.7	740	p 4	ug/Kg	☼	-354	70 - 123	19	20
Endrin	490	p	38.7	409	p 4	ug/Kg	☼	-213	70 - 127	7	20
gamma-Chlordane	2100		38.7	1670	4	ug/Kg	☼	-1122	68 - 123	5	24
Heptachlor epoxide	2700		38.7	2120	4 F2	ug/Kg	☼	-1585	69 - 131	43	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*95*	*D*	*45 - 130*
DCB Decachlorobiphenyl (Surr)	*94*	*D*	*45 - 130*
Tetrachloro-m-xylene	*109*	*D*	*45 - 130*
Tetrachloro-m-xylene	*86*	*D*	*45 - 130*

Lab Sample ID: MB 180-116127/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116178 **Prep Batch: 116127**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.30	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
alpha-BHC	ND		1.7	0.27	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
alpha-Chlordane	ND		1.7	0.33	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
beta-BHC	ND		1.7	0.43	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
4,4'-DDD	ND		1.7	0.22	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
delta-BHC	ND		1.7	0.26	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
Dieldrin	ND		1.7	0.28	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
Endosulfan I	ND		1.7	0.31	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
Endosulfan II	ND		1.7	0.29	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
Endosulfan sulfate	ND		1.7	0.17	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
Endrin	ND		1.7	0.32	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
Endrin aldehyde	ND		1.7	0.32	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
Endrin ketone	ND		1.7	0.26	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
gamma-BHC (Lindane)	ND		1.7	0.29	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
gamma-Chlordane	ND		1.7	0.33	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
Heptachlor	ND		1.7	0.37	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
Heptachlor epoxide	ND		1.7	0.32	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
Methoxychlor	ND		3.3	0.35	ug/Kg		08/26/14 20:50	08/27/14 21:07	1
Toxaphene	ND		67	11	ug/Kg		08/26/14 20:50	08/27/14 21:07	1

QC Sample Results

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 180-116127/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116178
Prep Batch: 116127

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*96*		*45 - 130*	*08/26/14 20:50*	*08/27/14 21:07*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 130*	*08/26/14 20:50*	*08/27/14 21:07*	*1*
Tetrachloro-m-xylene	*106*		*45 - 130*	*08/26/14 20:50*	*08/27/14 21:07*	*1*
Tetrachloro-m-xylene	*101*		*45 - 130*	*08/26/14 20:50*	*08/27/14 21:07*	*1*

Lab Sample ID: LCS 180-116127/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116178
Prep Batch: 116127

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	33.3	35.7		ug/Kg		107	70 - 123
alpha-BHC	33.3	33.8		ug/Kg		101	59 - 127
alpha-Chlordane	33.3	35.3		ug/Kg		106	71 - 130
beta-BHC	33.3	34.1		ug/Kg		102	70 - 138
4,4'-DDD	33.3	35.3		ug/Kg		106	65 - 135
4,4'-DDE	33.3	35.3		ug/Kg		106	70 - 133
4,4'-DDT	33.3	32.1		ug/Kg		96	10 - 140
delta-BHC	33.3	33.4		ug/Kg		100	40 - 124
Dieldrin	33.3	35.3		ug/Kg		106	70 - 123
Endosulfan I	33.3	35.3		ug/Kg		106	62 - 126
Endosulfan II	33.3	35.4		ug/Kg		106	65 - 128
Endosulfan sulfate	33.3	33.9		ug/Kg		102	55 - 140
Endrin	33.3	35.5		ug/Kg		106	70 - 127
Endrin aldehyde	33.3	35.2		ug/Kg		106	65 - 122
Endrin ketone	33.3	33.5		ug/Kg		100	59 - 132
gamma-BHC (Lindane)	33.3	35.4		ug/Kg		106	66 - 124
gamma-Chlordane	33.3	35.5		ug/Kg		107	68 - 123
Heptachlor	33.3	35.4		ug/Kg		106	70 - 128
Heptachlor epoxide	33.3	35.2		ug/Kg		106	69 - 131
Methoxychlor	33.3	31.0		ug/Kg		93	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*98*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*
Tetrachloro-m-xylene	*106*		*45 - 130*
Tetrachloro-m-xylene	*100*		*45 - 130*

Lab Sample ID: 180-35818-18 MS
Client Sample ID: SSHS-B83-0.17-2 (1)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116178
Prep Batch: 116127

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		36.9	32.6		ug/Kg	☼	88	70 - 123
alpha-BHC	ND		36.9	32.7		ug/Kg	☼	88	59 - 127
alpha-Chlordane	ND		36.9	29.3		ug/Kg	☼	79	71 - 130
beta-BHC	ND		36.9	30.0		ug/Kg	☼	81	70 - 138
4,4'-DDD	ND		36.9	30.8		ug/Kg	☼	83	65 - 135
4,4'-DDE	ND		36.9	30.6		ug/Kg	☼	83	70 - 133

QC Sample Results

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35818-18 MS
Matrix: Solid
Analysis Batch: 116178

Client Sample ID: SSHS-B83-0.17-2 (1)
Prep Type: Total/NA
Prep Batch: 116127

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDT	ND		36.9	29.8		ug/Kg	☼	81	10 - 140
delta-BHC	ND		36.9	29.9		ug/Kg	☼	81	40 - 124
Dieldrin	ND		36.9	30.9		ug/Kg	☼	84	70 - 123
Endosulfan I	ND		36.9	31.4		ug/Kg	☼	85	62 - 126
Endosulfan II	ND		36.9	28.3		ug/Kg	☼	77	65 - 128
Endosulfan sulfate	ND		36.9	29.9		ug/Kg	☼	81	55 - 140
Endrin	ND		36.9	31.5		ug/Kg	☼	85	70 - 127
Endrin aldehyde	ND		36.9	25.2		ug/Kg	☼	68	65 - 122
Endrin ketone	ND		36.9	29.2		ug/Kg	☼	79	59 - 132
gamma-BHC (Lindane)	ND		36.9	33.2		ug/Kg	☼	90	66 - 124
gamma-Chlordane	ND		36.9	30.5		ug/Kg	☼	83	68 - 123
Heptachlor	ND		36.9	33.3		ug/Kg	☼	90	70 - 128
Heptachlor epoxide	ND		36.9	31.7		ug/Kg	☼	86	69 - 131
Methoxychlor	ND		36.9	29.0		ug/Kg	☼	79	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 130*
Tetrachloro-m-xylene	*92*		*45 - 130*
Tetrachloro-m-xylene	*88*		*45 - 130*

Lab Sample ID: 180-35818-18 MSD
Matrix: Solid
Analysis Batch: 116178

Client Sample ID: SSHS-B83-0.17-2 (1)
Prep Type: Total/NA
Prep Batch: 116127

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		36.9	35.7		ug/Kg	☼	97	70 - 123	9	20
alpha-BHC	ND		36.9	35.2		ug/Kg	☼	95	59 - 127	7	20
alpha-Chlordane	ND		36.9	33.3		ug/Kg	☼	90	71 - 130	13	20
beta-BHC	ND		36.9	33.0		ug/Kg	☼	89	70 - 138	10	20
4,4'-DDD	ND		36.9	35.5		ug/Kg	☼	96	65 - 135	14	20
4,4'-DDE	ND		36.9	34.7		ug/Kg	☼	94	70 - 133	13	20
4,4'-DDT	ND		36.9	33.4		ug/Kg	☼	91	10 - 140	11	37
delta-BHC	ND		36.9	34.2		ug/Kg	☼	93	40 - 124	13	20
Dieldrin	ND		36.9	35.2		ug/Kg	☼	95	70 - 123	13	20
Endosulfan I	ND		36.9	35.7		ug/Kg	☼	97	62 - 126	13	23
Endosulfan II	ND		36.9	32.0		ug/Kg	☼	87	65 - 128	12	33
Endosulfan sulfate	ND		36.9	34.0		ug/Kg	☼	92	55 - 140	13	26
Endrin	ND		36.9	35.8		ug/Kg	☼	97	70 - 127	13	20
Endrin aldehyde	ND		36.9	31.6	F2	ug/Kg	☼	86	65 - 122	23	20
Endrin ketone	ND		36.9	33.6		ug/Kg	☼	91	59 - 132	14	20
gamma-BHC (Lindane)	ND		36.9	35.8		ug/Kg	☼	97	66 - 124	7	20
gamma-Chlordane	ND		36.9	33.9		ug/Kg	☼	92	68 - 123	11	24
Heptachlor	ND		36.9	35.7		ug/Kg	☼	97	70 - 128	7	20
Heptachlor epoxide	ND		36.9	34.7		ug/Kg	☼	94	69 - 131	9	20
Methoxychlor	ND		36.9	33.7		ug/Kg	☼	91	10 - 150	15	26

QC Sample Results

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35818-18 MSD
Matrix: Solid
Analysis Batch: 116178

Client Sample ID: SSHS-B83-0.17-2 (1)
Prep Type: Total/NA
Prep Batch: 116127

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*
Tetrachloro-m-xylene	*96*		*45 - 130*
Tetrachloro-m-xylene	*93*		*45 - 130*

Lab Sample ID: MB 180-116128/1-A
Matrix: Solid
Analysis Batch: 116355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.30	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
alpha-BHC	ND		1.7	0.27	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
alpha-Chlordane	ND		1.7	0.33	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
beta-BHC	ND		1.7	0.43	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
4,4'-DDD	ND		1.7	0.22	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
delta-BHC	ND		1.7	0.26	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Dieldrin	ND		1.7	0.28	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Endosulfan I	ND		1.7	0.31	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Endosulfan II	ND		1.7	0.29	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Endosulfan sulfate	ND		1.7	0.17	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Endrin	ND		1.7	0.32	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Endrin aldehyde	ND		1.7	0.32	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Endrin ketone	ND		1.7	0.26	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
gamma-BHC (Lindane)	ND		1.7	0.29	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
gamma-Chlordane	ND		1.7	0.33	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Heptachlor	ND		1.7	0.37	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Heptachlor epoxide	ND		1.7	0.32	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Methoxychlor	ND		3.3	0.35	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Toxaphene	ND		67	11	ug/Kg		08/26/14 22:14	08/28/14 16:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*08/26/14 22:14*	*08/28/14 16:23*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/26/14 22:14*	*08/28/14 16:23*	*1*
Tetrachloro-m-xylene	*100*		*45 - 130*	*08/26/14 22:14*	*08/28/14 16:23*	*1*
Tetrachloro-m-xylene	*95*		*45 - 130*	*08/26/14 22:14*	*08/28/14 16:23*	*1*

Lab Sample ID: LCS 180-116128/2-A
Matrix: Solid
Analysis Batch: 116355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	33.3	34.2		ug/Kg		103	70 - 123
alpha-BHC	33.3	32.4		ug/Kg		97	59 - 127
alpha-Chlordane	33.3	32.6		ug/Kg		98	71 - 130
beta-BHC	33.3	33.1		ug/Kg		99	70 - 138
4,4'-DDD	33.3	33.7		ug/Kg		101	65 - 135

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-116128/2-A
Matrix: Solid
Analysis Batch: 116355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDE	33.3	32.6		ug/Kg		98	70 - 133
4,4'-DDT	33.3	30.4		ug/Kg		91	10 - 140
delta-BHC	33.3	32.5		ug/Kg		97	40 - 124
Dieldrin	33.3	33.7		ug/Kg		101	70 - 123
Endosulfan I	33.3	33.9		ug/Kg		102	62 - 126
Endosulfan II	33.3	33.6		ug/Kg		101	65 - 128
Endosulfan sulfate	33.3	32.9		ug/Kg		99	55 - 140
Endrin	33.3	34.3		ug/Kg		103	70 - 127
Endrin aldehyde	33.3	33.8		ug/Kg		101	65 - 122
Endrin ketone	33.3	32.1		ug/Kg		96	59 - 132
gamma-BHC (Lindane)	33.3	34.1		ug/Kg		102	66 - 124
gamma-Chlordane	33.3	33.6		ug/Kg		101	68 - 123
Heptachlor	33.3	34.5		ug/Kg		103	70 - 128
Heptachlor epoxide	33.3	33.4		ug/Kg		100	69 - 131
Methoxychlor	33.3	28.5		ug/Kg		86	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*
Tetrachloro-m-xylene	*105*		*45 - 130*
Tetrachloro-m-xylene	*100*		*45 - 130*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-116007/1-C
Matrix: Solid
Analysis Batch: 116167

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116007

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg		08/26/14 07:50	08/27/14 11:05	1
PCB-1221	ND		17	3.2	ug/Kg		08/26/14 07:50	08/27/14 11:05	1
PCB-1232	ND		17	2.9	ug/Kg		08/26/14 07:50	08/27/14 11:05	1
PCB-1242	ND		17	2.7	ug/Kg		08/26/14 07:50	08/27/14 11:05	1
PCB-1248	ND		17	1.6	ug/Kg		08/26/14 07:50	08/27/14 11:05	1
PCB-1254	ND		17	2.4	ug/Kg		08/26/14 07:50	08/27/14 11:05	1
PCB-1260	ND		17	2.4	ug/Kg		08/26/14 07:50	08/27/14 11:05	1
PCB-1262	ND		17	3.7	ug/Kg		08/26/14 07:50	08/27/14 11:05	1
PCB-1268	ND		17	2.1	ug/Kg		08/26/14 07:50	08/27/14 11:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*	*08/26/14 07:50*	*08/27/14 11:05*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*	*08/26/14 07:50*	*08/27/14 11:05*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-116007/1-C
Matrix: Solid
Analysis Batch: 116170

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116007

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/26/14 07:50*	*08/27/14 11:36*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*	*08/26/14 07:50*	*08/27/14 11:36*	*1*

Lab Sample ID: LCS 180-116007/5-C
Matrix: Solid
Analysis Batch: 116167

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116007

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016			1330	1110		ug/Kg		83	55 - 135
PCB-1260			1330	1120		ug/Kg		84	50 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*

Lab Sample ID: LCS 180-116007/5-C
Matrix: Solid
Analysis Batch: 116170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116007

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*93*		*45 - 135*

Lab Sample ID: 180-35818-9 MS
Matrix: Solid
Analysis Batch: 116403

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116007

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		1560	ND	F1	ug/Kg	☼	0	55 - 135
PCB-1260	8300		1560	8000	4	ug/Kg	☼	-21	50 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*121*	*D*	*45 - 125*
Tetrachloro-m-xylene (Surr)	*137*	*D X*	*45 - 135*

Lab Sample ID: 180-35818-9 MS
Matrix: Solid
Analysis Batch: 116401

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116007

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*148*	*D X*	*45 - 125*
Tetrachloro-m-xylene (Surr)	*108*	*D*	*45 - 135*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-35818-9 MSD
Matrix: Solid
Analysis Batch: 116403

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116007

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1570	ND	F1	ug/Kg	☼	0	55 - 135	NC	20
PCB-1260	8300		1570	7790	4	ug/Kg	☼	-34	50 - 140	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*110*	*D p*	*45 - 125*
Tetrachloro-m-xylene (Surr)	*135*	*D*	*45 - 135*

Lab Sample ID: 180-35818-9 MSD
Matrix: Solid
Analysis Batch: 116401

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116007

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*572*	*D X*	*45 - 125*
Tetrachloro-m-xylene (Surr)	*106*	*D*	*45 - 135*

Lab Sample ID: MB 180-116127/1-C
Matrix: Solid
Analysis Batch: 116167

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116127

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg		08/26/14 20:50	08/28/14 07:38	1
PCB-1221	ND		17	3.2	ug/Kg		08/26/14 20:50	08/28/14 07:38	1
PCB-1232	ND		17	2.9	ug/Kg		08/26/14 20:50	08/28/14 07:38	1
PCB-1242	ND		17	2.7	ug/Kg		08/26/14 20:50	08/28/14 07:38	1
PCB-1248	ND		17	1.6	ug/Kg		08/26/14 20:50	08/28/14 07:38	1
PCB-1254	ND		17	2.4	ug/Kg		08/26/14 20:50	08/28/14 07:38	1
PCB-1260	ND		17	2.4	ug/Kg		08/26/14 20:50	08/28/14 07:38	1
PCB-1262	ND		17	3.7	ug/Kg		08/26/14 20:50	08/28/14 07:38	1
PCB-1268	ND		17	2.1	ug/Kg		08/26/14 20:50	08/28/14 07:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 125*	*08/26/14 20:50*	*08/28/14 07:38*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*45 - 135*	*08/26/14 20:50*	*08/28/14 07:38*	*1*

Lab Sample ID: MB 180-116127/1-C
Matrix: Solid
Analysis Batch: 116170

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116127

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 125*	*08/26/14 20:50*	*08/28/14 08:10*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*45 - 135*	*08/26/14 20:50*	*08/28/14 08:10*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-116127/3-C
Matrix: Solid
Analysis Batch: 116167

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116127

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1330	1190		ug/Kg		89	55 - 135		
PCB-1260			1330	1170		ug/Kg		88	50 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*

Lab Sample ID: LCS 180-116127/3-C
Matrix: Solid
Analysis Batch: 116170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*96*		*45 - 135*

Lab Sample ID: 180-35818-18 MS
Matrix: Solid
Analysis Batch: 116167

Client Sample ID: SSHS-B83-0.17-2 (1)
Prep Type: Total/NA
Prep Batch: 116127

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		1480	1080		ug/Kg	☼	73	55 - 135		
PCB-1260	ND		1480	980		ug/Kg	☼	66	50 - 140		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*

Lab Sample ID: 180-35818-18 MS
Matrix: Solid
Analysis Batch: 116170

Client Sample ID: SSHS-B83-0.17-2 (1)
Prep Type: Total/NA
Prep Batch: 116127

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*84*		*45 - 135*

Lab Sample ID: 180-35818-18 MSD
Matrix: Solid
Analysis Batch: 116167

Client Sample ID: SSHS-B83-0.17-2 (1)
Prep Type: Total/NA
Prep Batch: 116127

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1480	982		ug/Kg	☼	66	55 - 135	10	20
PCB-1260	ND		1480	904		ug/Kg	☼	61	50 - 140	8	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*66*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*71*		*45 - 135*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-35818-18 MSD
Matrix: Solid
Analysis Batch: 116170

Client Sample ID: SSHS-B83-0.17-2 (1)
Prep Type: Total/NA
Prep Batch: 116127

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*75*		*45 - 135*

Lab Sample ID: MB 180-116128/1-C
Matrix: Solid
Analysis Batch: 116627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg		08/26/14 22:14	08/31/14 10:43	1
PCB-1221	ND		17	3.2	ug/Kg		08/26/14 22:14	08/31/14 10:43	1
PCB-1232	ND		17	2.9	ug/Kg		08/26/14 22:14	08/31/14 10:43	1
PCB-1242	ND		17	2.7	ug/Kg		08/26/14 22:14	08/31/14 10:43	1
PCB-1248	ND		17	1.6	ug/Kg		08/26/14 22:14	08/31/14 10:43	1
PCB-1254	ND		17	2.4	ug/Kg		08/26/14 22:14	08/31/14 10:43	1
PCB-1260	ND		17	2.4	ug/Kg		08/26/14 22:14	08/31/14 10:43	1
PCB-1262	ND		17	3.7	ug/Kg		08/26/14 22:14	08/31/14 10:43	1
PCB-1268	ND		17	2.1	ug/Kg		08/26/14 22:14	08/31/14 10:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 125*	*08/26/14 22:14*	*08/31/14 10:43*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*45 - 135*	*08/26/14 22:14*	*08/31/14 10:43*	*1*

Lab Sample ID: MB 180-116128/1-C
Matrix: Solid
Analysis Batch: 116625

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116128

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 125*	*08/26/14 22:14*	*08/31/14 11:14*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*45 - 135*	*08/26/14 22:14*	*08/31/14 11:14*	*1*

Lab Sample ID: LCS 180-116128/3-C
Matrix: Solid
Analysis Batch: 116627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1330	1260		ug/Kg		94	55 - 135
PCB-1260	1330	1250		ug/Kg		94	50 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*97*		*45 - 135*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-116128/3-C **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116625 **Prep Batch: 116128**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*97*		*45 - 135*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 180-115610/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116285 **Prep Batch: 115610**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	2.1	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Antimony	ND		1.0	0.20	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Arsenic	ND		1.0	0.31	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Barium	ND		20	0.013	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Beryllium	ND		0.40	0.011	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Cadmium	0.0190	J	0.50	0.014	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Calcium	ND		500	1.5	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Chromium	0.0840	J	0.50	0.077	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Cobalt	ND		5.0	0.042	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Copper	ND		2.5	0.14	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Iron	ND		10	0.89	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Lead	ND		1.0	0.10	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Magnesium	ND		500	2.1	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Manganese	ND		1.5	0.089	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Nickel	ND		4.0	0.048	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Potassium	ND		500	6.4	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Selenium	ND		1.0	0.27	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Silver	ND		0.50	0.040	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Sodium	ND		500	1.1	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Thallium	ND		2.0	0.15	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Vanadium	0.282	J	5.0	0.17	mg/Kg		08/21/14 13:02	08/27/14 11:51	1
Zinc	0.133	J	2.0	0.10	mg/Kg		08/21/14 13:02	08/27/14 11:51	1

Lab Sample ID: LCS 180-115610/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116285 **Prep Batch: 115610**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	200	195		mg/Kg		97	80 - 120
Antimony	50.0	50.1		mg/Kg		100	80 - 120
Arsenic	50.0	50.8		mg/Kg		102	80 - 120
Barium	200	196		mg/Kg		98	80 - 120
Beryllium	5.00	5.00		mg/Kg		100	80 - 120
Cadmium	5.00	4.69		mg/Kg		94	80 - 120
Calcium	5000	5000		mg/Kg		100	80 - 120
Chromium	20.0	19.7		mg/Kg		98	80 - 120
Cobalt	50.0	49.1		mg/Kg		98	80 - 120
Copper	25.0	23.9		mg/Kg		96	80 - 120

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-115610/2-A
Matrix: Solid
Analysis Batch: 116285

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115610

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	100	101		mg/Kg		101	80 - 120
Lead	50.0	48.2		mg/Kg		96	80 - 120
Magnesium	5000	4870		mg/Kg		97	80 - 120
Manganese	50.0	47.6		mg/Kg		95	80 - 120
Nickel	50.0	49.1		mg/Kg		98	80 - 120
Potassium	5000	4980		mg/Kg		100	80 - 120
Selenium	50.0	49.4		mg/Kg		99	80 - 120
Silver	5.00	4.92		mg/Kg		98	80 - 120
Sodium	5000	5090		mg/Kg		102	80 - 120
Thallium	50.0	46.5		mg/Kg		93	80 - 120
Vanadium	50.0	51.2		mg/Kg		102	80 - 120
Zinc	50.0	48.7		mg/Kg		97	80 - 120

Lab Sample ID: 180-35818-9 MS
Matrix: Solid
Analysis Batch: 116285

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 115610

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	4900		232	8240	4	mg/Kg	☼	1434	75 - 125
Antimony	0.66	J	57.9	44.6		mg/Kg	☼	76	75 - 125
Arsenic	83		57.9	139		mg/Kg	☼	96	75 - 125
Barium	160		232	384		mg/Kg	☼	97	75 - 125
Beryllium	0.45		5.79	5.87		mg/Kg	☼	94	75 - 125
Cadmium	ND		5.79	5.01		mg/Kg	☼	87	75 - 125
Calcium	6100		5790	26700	F1	mg/Kg	☼	356	75 - 125
Chromium	29	B	23.2	58.9	F1	mg/Kg	☼	127	75 - 125
Cobalt	5.8		57.9	62.7		mg/Kg	☼	98	75 - 125
Copper	210		28.9	269	4	mg/Kg	☼	203	75 - 125
Iron	39000		116	43900	4	mg/Kg	☼	4476	75 - 125
Lead	220		57.9	531	F1	mg/Kg	☼	540	75 - 125
Magnesium	2000		5790	9780	F1	mg/Kg	☼	135	75 - 125
Manganese	290		57.9	675	4	mg/Kg	☼	669	75 - 125
Nickel	160		57.9	216		mg/Kg	☼	104	75 - 125
Potassium	680		5790	6570		mg/Kg	☼	102	75 - 125
Selenium	5.1		57.9	58.5		mg/Kg	☼	92	75 - 125
Silver	ND		5.79	5.57		mg/Kg	☼	96	75 - 125
Sodium	340	J	5790	5950		mg/Kg	☼	97	75 - 125
Thallium	0.32	J	57.9	48.8		mg/Kg	☼	84	75 - 125
Vanadium	18	B	57.9	79.4		mg/Kg	☼	106	75 - 125
Zinc	120	B	57.9	191		mg/Kg	☼	115	75 - 125

Lab Sample ID: 180-35818-9 MSD
Matrix: Solid
Analysis Batch: 116285

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 115610

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	4900		234	7090	4	mg/Kg	☼	928	75 - 125	15	20
Antimony	0.66	J	58.5	42.0	F1	mg/Kg	☼	71	75 - 125	6	20
Arsenic	83		58.5	166	F1	mg/Kg	☼	142	75 - 125	18	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35818-9 MSD
Matrix: Solid
Analysis Batch: 116285

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 115610

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	160		234	352		mg/Kg	☼	82	75 - 125	9	20
Beryllium	0.45		5.85	5.73		mg/Kg	☼	90	75 - 125	2	20
Cadmium	ND		5.85	4.57		mg/Kg	☼	78	75 - 125	9	20
Calcium	6100		5850	11500	F2	mg/Kg	☼	93	75 - 125	79	20
Chromium	29	B	23.4	42.4	F1 F2	mg/Kg	☼	56	75 - 125	32	20
Cobalt	5.8		58.5	59.3		mg/Kg	☼	91	75 - 125	6	20
Copper	210		29.2	140	4 F2	mg/Kg	☼	-243	75 - 125	63	20
Iron	39000		117	38000	4	mg/Kg	☼	-545	75 - 125	14	20
Lead	220		58.5	155	F1 F2	mg/Kg	☼	-108	75 - 125	110	20
Magnesium	2000		5850	7040	F2	mg/Kg	☼	87	75 - 125	33	20
Manganese	290		58.5	271	4 F2	mg/Kg	☼	-28	75 - 125	85	20
Nickel	160		58.5	136	F1 F2	mg/Kg	☼	-33	75 - 125	45	20
Potassium	680		5850	6560		mg/Kg	☼	101	75 - 125	0	20
Selenium	5.1		58.5	58.2		mg/Kg	☼	91	75 - 125	1	20
Silver	ND		5.85	5.40		mg/Kg	☼	92	75 - 125	3	20
Sodium	340	J	5850	5950		mg/Kg	☼	96	75 - 125	0	20
Thallium	0.32	J	58.5	48.1		mg/Kg	☼	82	75 - 125	1	20
Vanadium	18	B	58.5	76.6		mg/Kg	☼	100	75 - 125	4	20
Zinc	120	B	58.5	147	F1 F2	mg/Kg	☼	40	75 - 125	26	20

Lab Sample ID: MB 180-115611/1-A
Matrix: Solid
Analysis Batch: 116450

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115611

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	2.1	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Antimony	ND		1.0	0.20	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Arsenic	ND		1.0	0.31	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Barium	ND		20	0.013	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Beryllium	ND		0.40	0.011	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Cadmium	0.0230	J	0.50	0.014	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Calcium	ND		500	1.5	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Chromium	ND		0.50	0.077	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Cobalt	ND		5.0	0.042	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Copper	ND		2.5	0.14	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Iron	ND		10	0.89	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Lead	ND		1.0	0.10	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Magnesium	ND		500	2.1	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Manganese	ND		1.5	0.089	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Nickel	ND		4.0	0.048	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Potassium	ND		500	6.4	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Selenium	0.441	J	1.0	0.27	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Silver	ND		0.50	0.040	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Sodium	ND		500	1.1	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Thallium	ND		2.0	0.15	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Vanadium	ND		5.0	0.17	mg/Kg		08/21/14 13:03	08/28/14 12:05	1
Zinc	0.221	J	2.0	0.10	mg/Kg		08/21/14 13:03	08/28/14 12:05	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-115611/2-A
Matrix: Solid
Analysis Batch: 116450

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115611

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	194	187		mg/Kg		96	80 - 120
Antimony	48.5	47.4		mg/Kg		98	80 - 120
Arsenic	48.5	47.3		mg/Kg		97	80 - 120
Barium	194	194		mg/Kg		100	80 - 120
Beryllium	4.85	4.84		mg/Kg		100	80 - 120
Cadmium	4.85	4.68		mg/Kg		96	80 - 120
Calcium	4850	4650		mg/Kg		96	80 - 120
Chromium	19.4	19.7		mg/Kg		101	80 - 120
Cobalt	48.5	46.4		mg/Kg		96	80 - 120
Copper	24.3	23.3		mg/Kg		96	80 - 120
Iron	97.1	96.2		mg/Kg		99	80 - 120
Lead	48.5	45.6		mg/Kg		94	80 - 120
Magnesium	4850	4530		mg/Kg		93	80 - 120
Manganese	48.5	47.1		mg/Kg		97	80 - 120
Nickel	48.5	46.4		mg/Kg		96	80 - 120
Potassium	4850	4650		mg/Kg		96	80 - 120
Selenium	48.5	46.3		mg/Kg		95	80 - 120
Silver	4.85	4.94		mg/Kg		102	80 - 120
Sodium	4850	4760		mg/Kg		98	80 - 120
Thallium	48.5	44.6		mg/Kg		92	80 - 120
Vanadium	48.5	50.4		mg/Kg		104	80 - 120
Zinc	48.5	46.6		mg/Kg		96	80 - 120

Lab Sample ID: 180-35818-19 MS
Matrix: Solid
Analysis Batch: 116450

Client Sample ID: SSHS-B84-0.17-2 (1)
Prep Type: Total/NA
Prep Batch: 115611

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8600		217	7250	4	mg/Kg	☼	-604	75 - 125
Antimony	0.23	J	54.2	39.2	F1	mg/Kg	☼	72	75 - 125
Arsenic	8.3		54.2	51.5		mg/Kg	☼	80	75 - 125
Barium	80		217	372	F1	mg/Kg	☼	135	75 - 125
Beryllium	0.41		5.42	5.03		mg/Kg	☼	85	75 - 125
Calcium	5100		5420	84600	E F1	mg/Kg	☼	1466	75 - 125
Chromium	11		21.7	26.1	F1	mg/Kg	☼	69	75 - 125
Cobalt	7.6		54.2	53.0		mg/Kg	☼	84	75 - 125
Copper	47		27.1	61.6	F1	mg/Kg	☼	54	75 - 125
Iron	19000		108	13100	4	mg/Kg	☼	-4953	75 - 125
Lead	27		54.2	78.1		mg/Kg	☼	94	75 - 125
Magnesium	3400		5420	9090		mg/Kg	☼	105	75 - 125
Manganese	450		54.2	349	4	mg/Kg	☼	-191	75 - 125
Nickel	18		54.2	61.7		mg/Kg	☼	81	75 - 125
Potassium	600		5420	5490		mg/Kg	☼	90	75 - 125
Selenium	ND		54.2	44.5		mg/Kg	☼	82	75 - 125
Silver	ND		5.42	4.83		mg/Kg	☼	89	75 - 125
Sodium	370	J	5420	5100		mg/Kg	☼	87	75 - 125
Thallium	ND		54.2	42.5		mg/Kg	☼	78	75 - 125
Vanadium	14		54.2	60.2		mg/Kg	☼	84	75 - 125

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35818-19 MS
Matrix: Solid
Analysis Batch: 116450

Client Sample ID: SSHS-B84-0.17-2 (1)
Prep Type: Total/NA
Prep Batch: 115611

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	59	B	54.2	83.7	F1	mg/Kg	☼	46	75 - 125

Lab Sample ID: 180-35818-19 MS
Matrix: Solid
Analysis Batch: 116527

Client Sample ID: SSHS-B84-0.17-2 (1)
Prep Type: Total/NA
Prep Batch: 115611

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.041	J B	5.42	4.36		mg/Kg	☼	80	75 - 125

Lab Sample ID: 180-35818-19 MSD
Matrix: Solid
Analysis Batch: 116450

Client Sample ID: SSHS-B84-0.17-2 (1)
Prep Type: Total/NA
Prep Batch: 115611

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	8600		209	10200	4 F2	mg/Kg	☼	786	75 - 125	34	20
Antimony	0.23	J	52.2	36.5	F1	mg/Kg	☼	70	75 - 125	7	20
Arsenic	8.3		52.2	54.2		mg/Kg	☼	88	75 - 125	5	20
Barium	80		209	268	F2	mg/Kg	☼	90	75 - 125	32	20
Beryllium	0.41		5.22	5.07		mg/Kg	☼	89	75 - 125	1	20
Calcium	5100		5220	11300	F2	mg/Kg	☼	118	75 - 125	153	20
Chromium	11		20.9	30.4		mg/Kg	☼	93	75 - 125	15	20
Cobalt	7.6		52.2	54.8		mg/Kg	☼	90	75 - 125	3	20
Copper	47		26.1	73.2		mg/Kg	☼	101	75 - 125	17	20
Iron	19000		104	18200	4 F2	mg/Kg	☼	-307	75 - 125	32	20
Lead	27		52.2	82.6		mg/Kg	☼	106	75 - 125	6	20
Magnesium	3400		5220	8240		mg/Kg	☼	93	75 - 125	10	20
Manganese	450		52.2	423	4	mg/Kg	☼	-57	75 - 125	19	20
Nickel	18		52.2	67.9		mg/Kg	☼	96	75 - 125	9	20
Potassium	600		5220	5360		mg/Kg	☼	91	75 - 125	2	20
Selenium	ND		52.2	44.3		mg/Kg	☼	85	75 - 125	1	20
Silver	ND		5.22	4.60		mg/Kg	☼	88	75 - 125	5	20
Sodium	370	J	5220	5060		mg/Kg	☼	90	75 - 125	1	20
Thallium	ND		52.2	42.5		mg/Kg	☼	81	75 - 125	0	20
Vanadium	14		52.2	62.9		mg/Kg	☼	93	75 - 125	5	20
Zinc	59	B	52.2	113	F2	mg/Kg	☼	103	75 - 125	30	20

Lab Sample ID: 180-35818-19 MSD
Matrix: Solid
Analysis Batch: 116527

Client Sample ID: SSHS-B84-0.17-2 (1)
Prep Type: Total/NA
Prep Batch: 115611

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.041	J B	5.22	4.52		mg/Kg	☼	86	75 - 125	4	20

Lab Sample ID: MB 180-115612/1-A
Matrix: Solid
Analysis Batch: 116412

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115612

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	2.1	mg/Kg		08/21/14 13:05	08/28/14 10:35	1

QC Sample Results

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-115612/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116412
Prep Batch: 115612

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.20	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Arsenic	ND		1.0	0.31	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Barium	ND		20	0.013	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Beryllium	ND		0.40	0.011	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Cadmium	ND		0.51	0.014	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Calcium	ND		510	1.5	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Chromium	ND		0.51	0.078	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Cobalt	ND		5.1	0.042	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Copper	ND		2.5	0.15	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Iron	ND		10	0.90	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Lead	ND		1.0	0.10	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Magnesium	ND		510	2.1	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Manganese	ND		1.5	0.090	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Nickel	ND		4.0	0.048	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Potassium	ND		510	6.5	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Selenium	ND		1.0	0.27	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Silver	ND		0.51	0.041	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Sodium	ND		510	1.1	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Thallium	ND		2.0	0.15	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Vanadium	ND		5.1	0.18	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Zinc	0.175	J	2.0	0.10	mg/Kg		08/21/14 13:05	08/28/14 10:35	1

Lab Sample ID: LCS 180-115612/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116412
Prep Batch: 115612

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	196	195		mg/Kg		100	80 - 120
Antimony	49.0	49.0		mg/Kg		100	80 - 120
Arsenic	49.0	50.5		mg/Kg		103	80 - 120
Barium	196	199		mg/Kg		102	80 - 120
Beryllium	4.90	5.07		mg/Kg		103	80 - 120
Cadmium	4.90	4.65		mg/Kg		95	80 - 120
Calcium	4900	4990		mg/Kg		102	80 - 120
Chromium	19.6	19.7		mg/Kg		101	80 - 120
Cobalt	49.0	48.8		mg/Kg		99	80 - 120
Copper	24.5	24.1		mg/Kg		98	80 - 120
Iron	98.0	102		mg/Kg		104	80 - 120
Lead	49.0	47.5		mg/Kg		97	80 - 120
Magnesium	4900	4890		mg/Kg		100	80 - 120
Manganese	49.0	48.4		mg/Kg		99	80 - 120
Nickel	49.0	48.5		mg/Kg		99	80 - 120
Potassium	4900	4960		mg/Kg		101	80 - 120
Selenium	49.0	48.3		mg/Kg		99	80 - 120
Silver	4.90	4.82		mg/Kg		98	80 - 120
Sodium	4900	5070		mg/Kg		104	80 - 120
Thallium	49.0	46.2		mg/Kg		94	80 - 120
Vanadium	49.0	51.3		mg/Kg		105	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-115612/2-A
Matrix: Solid
Analysis Batch: 116412

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115612

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	49.0	48.6		mg/Kg		99	80 - 120

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 180-116176/1-A
Matrix: Solid
Analysis Batch: 116253

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.011	mg/Kg		08/27/14 09:11	08/27/14 11:51	1

Lab Sample ID: LCS 180-116176/2-A
Matrix: Solid
Analysis Batch: 116253

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.410	0.413		mg/Kg		101	80 - 120

Lab Sample ID: 180-35818-9 MS
Matrix: Solid
Analysis Batch: 116253

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116176

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.85		0.195	0.995	4	mg/Kg	☼	73	75 - 125

Lab Sample ID: 180-35818-9 MSD
Matrix: Solid
Analysis Batch: 116253

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116176

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.85		0.195	0.909	4	mg/Kg	☼	29	75 - 125	9	20

Lab Sample ID: MB 180-116177/1-A
Matrix: Solid
Analysis Batch: 116253

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116177

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.011	mg/Kg		08/27/14 09:12	08/27/14 12:41	1

Lab Sample ID: LCS 180-116177/2-A
Matrix: Solid
Analysis Batch: 116253

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.410	0.416		mg/Kg		101	80 - 120

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique) (Continued)

Lab Sample ID: 180-35818-29 MS
Client Sample ID: SSHS-B81-6-10 (8)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116253
Prep Batch: 116177

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	ND		0.188	0.197		mg/Kg	☼	105	75 - 125		

Lab Sample ID: 180-35818-29 MSD
Client Sample ID: SSHS-B81-6-10 (8)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116253
Prep Batch: 116177

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.188	0.198		mg/Kg	☼	105	75 - 125	1	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-35818-9 DU
Client Sample ID: SSHS-B67-2-6 (4.5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115150

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	16			13		%				19	20
Percent Solids	84			87		%				3	20

Lab Sample ID: 180-35818-36 DU
Client Sample ID: SSHS-B77-SS
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115150

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	18			18		%				2	20
Percent Solids	82			82		%				0.5	20

Lab Sample ID: 180-35818-15 DU
Client Sample ID: SSHS-B69-0.17-2 (1)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115151

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	9.2			10		%				8	20
Percent Solids	91			90		%				0.9	20

Lab Sample ID: 180-35818-25 DU
Client Sample ID: SSHS-B87-6-10 (8)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115151

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	11			10		%				11	20
Percent Solids	89			90		%				1	20

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

Method: 9014 - Cyanide

Lab Sample ID: MB 180-115605/4-A
Matrix: Solid
Analysis Batch: 115631

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.15	mg/Kg		08/21/14 12:25	08/21/14 13:47	1

Lab Sample ID: HLCS 180-115605/2-A
Matrix: Solid
Analysis Batch: 115631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115605

Analyte			Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.250	0.234		mg/Kg		94	90 - 110		

Lab Sample ID: LCS 180-115605/3-A
Matrix: Solid
Analysis Batch: 115631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115605

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			101	83.8		mg/Kg		83	38 - 162		

Lab Sample ID: LLCS 180-115605/1-A
Matrix: Solid
Analysis Batch: 115631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115605

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.0500	0.0487		mg/Kg		97	90 - 110		

Lab Sample ID: MB 180-115650/4-A
Matrix: Solid
Analysis Batch: 115748

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115650

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.15	mg/Kg		08/22/14 07:00	08/22/14 09:45	1

Lab Sample ID: HLCS 180-115650/2-A
Matrix: Solid
Analysis Batch: 115748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115650

Analyte			Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.250	0.230		mg/Kg		92	90 - 110		

Lab Sample ID: LCS 180-115650/3-A
Matrix: Solid
Analysis Batch: 115748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115650

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			101	91.9		mg/Kg		91	38 - 162		

Lab Sample ID: LLCS 180-115650/1-A
Matrix: Solid
Analysis Batch: 115748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115650

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.0500	0.0466		mg/Kg		93	90 - 110		

QC Sample Results

Lab Sample ID: 180-35818-3 MS
Matrix: Solid
Analysis Batch: 115748

Client Sample ID: SSHS-B65-8-10 (9)
Prep Type: Total/NA
Prep Batch: 115650

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	1.0		6.09	7.40		mg/Kg	☼	105	75 - 125

Lab Sample ID: 180-35818-9 MS
Matrix: Solid
Analysis Batch: 115748

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 115650

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.67		5.73	6.03		mg/Kg	☼	94	75 - 125

Lab Sample ID: 180-35818-9 MSD
Matrix: Solid
Analysis Batch: 115748

Client Sample ID: SSHS-B67-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 115650

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.67		5.79	6.13		mg/Kg	☼	94	75 - 125	2	20

Lab Sample ID: MB 180-115799/4-A
Matrix: Solid
Analysis Batch: 115822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115799

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.15	mg/Kg		08/23/14 09:00	08/23/14 10:45	1

Lab Sample ID: HLCS 180-115799/2-A
Matrix: Solid
Analysis Batch: 115822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115799

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.230		mg/Kg		92	90 - 110

Lab Sample ID: LCS 180-115799/3-A
Matrix: Solid
Analysis Batch: 115822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115799

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	101	84.1		mg/Kg		83	38 - 162

Lab Sample ID: LLCS 180-115799/1-A
Matrix: Solid
Analysis Batch: 115822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115799

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0473		mg/Kg		95	90 - 110

Lab Sample ID: 180-35818-28 MS
Matrix: Solid
Analysis Batch: 115822

Client Sample ID: SSHS-B81-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115799

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.36	J	5.60	9.36	F1	mg/Kg	☼	161	75 - 125

QC Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-1
Project/Site: Former Sperry Remington Site - North

Method: 9014 - Cyanide (Continued)

Lab Sample ID: MB 180-115921/4-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115970 **Prep Batch: 115921**

	MB	MB							
Analyte	**Result**	**Qualifier**	**RL**	**MDL**	**Unit**	**D**	**Prepared**	**Analyzed**	**Dil Fac**
Cyanide, Total	0.171	J	0.50	0.15	mg/Kg		08/25/14 10:00	08/25/14 14:03	1

Lab Sample ID: HLCS 180-115921/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115970 **Prep Batch: 115921**

			Spike	HLCS	HLCS				%Rec.		
Analyte			**Added**	**Result**	**Qualifier**	**Unit**	**D**	**%Rec**	**Limits**		
Cyanide, Total			0.250	0.246		mg/Kg		98	90 - 110		

Lab Sample ID: LCS 180-115921/3-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115970 **Prep Batch: 115921**

			Spike	LCS	LCS				%Rec.		
Analyte			**Added**	**Result**	**Qualifier**	**Unit**	**D**	**%Rec**	**Limits**		
Cyanide, Total			101	88.1		mg/Kg		87	38 - 162		

Lab Sample ID: LLCS 180-115921/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115970 **Prep Batch: 115921**

			Spike	LLCS	LLCS				%Rec.		
Analyte			**Added**	**Result**	**Qualifier**	**Unit**	**D**	**%Rec**	**Limits**		
Cyanide, Total			0.0500	0.0482		mg/Kg		96	90 - 110		

Lab Sample ID: 180-35818-27 MS **Client Sample ID: SSHS-B81-0.17-2 (1.5)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115970 **Prep Batch: 115921**

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	**Result**	**Qualifier**	**Added**	**Result**	**Qualifier**	**Unit**	**D**	**%Rec**	**Limits**		
Cyanide, Total	0.30	J B	5.60	5.78		mg/Kg	☼	98	75 - 125		

Lab Sample ID: 180-35818-27 MSD **Client Sample ID: SSHS-B81-0.17-2 (1.5)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115970 **Prep Batch: 115921**

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	**Result**	**Qualifier**	**Added**	**Result**	**Qualifier**	**Unit**	**D**	**%Rec**	**Limits**	**RPD**	**Limit**
Cyanide, Total	0.30	J B	5.66	6.18		mg/Kg	☼	104	75 - 125	7	20

Lab Sample ID: MB 180-116102/4-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116257 **Prep Batch: 116102**

	MB	MB							
Analyte	**Result**	**Qualifier**	**RL**	**MDL**	**Unit**	**D**	**Prepared**	**Analyzed**	**Dil Fac**
Cyanide, Total	ND		0.50	0.15	mg/Kg		08/27/14 07:00	08/27/14 09:53	1

Lab Sample ID: HLCS 180-116102/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116257 **Prep Batch: 116102**

			Spike	HLCS	HLCS				%Rec.		
Analyte			**Added**	**Result**	**Qualifier**	**Unit**	**D**	**%Rec**	**Limits**		
Cyanide, Total			0.250	0.250		mg/Kg		100	90 - 110		

QC Sample Results

Lab Sample ID: LCS 180-116102/3-A
Matrix: Solid
Analysis Batch: 116257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116102

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			101	98.6		mg/Kg		98	38 - 162		

Lab Sample ID: LLCS 180-116102/1-A
Matrix: Solid
Analysis Batch: 116257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116102

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.0500	0.0525		mg/Kg		105	90 - 110		

Lab Sample ID: 180-35818-22 MS
Matrix: Solid
Analysis Batch: 116257

Client Sample ID: SSHS-B84-10-14 (12)
Prep Type: Total/NA
Prep Batch: 116102

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	ND		5.23	5.04		mg/Kg	☼	96	75 - 125		

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-1

GC/MS VOA

Analysis Batch: 115020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-1	SSHS-B65-0.17-2 (1)	Total/NA	Solid	8260C	115034
180-35818-3	SSHS-B65-8-10 (9)	Total/NA	Solid	8260C	115034
180-35818-9	SSHS-B67-2-6 (4.5)	Total/NA	Solid	8260C	115034
180-35818-9 MS	SSHS-B67-2-6 (4.5)	Total/NA	Solid	8260C	115034
180-35818-9 MSD	SSHS-B67-2-6 (4.5)	Total/NA	Solid	8260C	115034
LCS 180-115034/2-A	Lab Control Sample	Total/NA	Solid	8260C	115034
MB 180-115034/1-A	Method Blank	Total/NA	Solid	8260C	115034

Prep Batch: 115034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-1	SSHS-B65-0.17-2 (1)	Total/NA	Solid	5035	
180-35818-3	SSHS-B65-8-10 (9)	Total/NA	Solid	5035	
180-35818-9	SSHS-B67-2-6 (4.5)	Total/NA	Solid	5035	
180-35818-9 MS	SSHS-B67-2-6 (4.5)	Total/NA	Solid	5035	
180-35818-9 MSD	SSHS-B67-2-6 (4.5)	Total/NA	Solid	5035	
LCS 180-115034/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-115034/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-2	SSHS-B65-4-6 (4)	Total/NA	Solid	8260C	115168
180-35818-4	SSHS-B65-10-12 (11)	Total/NA	Solid	8260C	115168
180-35818-5	SSHS-B66-0.17-2 (1)	Total/NA	Solid	8260C	115168
180-35818-6	SSHS-B66-2-4 (3)	Total/NA	Solid	8260C	115168
180-35818-7	SSHS-B66-6-8R (7)	Total/NA	Solid	8260C	115168
180-35818-8	SSHS-B67-0.17-2 (1)	Total/NA	Solid	8260C	115168
180-35818-10	SSHS-B67-8-10 (9)	Total/NA	Solid	8260C	115168
180-35818-11	SSHS-B67-10-12 (11)	Total/NA	Solid	8260C	115168
180-35818-12	SSHS-B68-0.17-2 (1)	Total/NA	Solid	8260C	115168
180-35818-13	SSHS-B68-2-6 (5.5)	Total/NA	Solid	8260C	115168
180-35818-14	SSHS-B68-6-8R (6.5)	Total/NA	Solid	8260C	115168
180-35818-15	SSHS-B69-0.17-2 (1)	Total/NA	Solid	8260C	115168
180-35818-16	SSHS-B69-2-4 (4)	Total/NA	Solid	8260C	115168
LCS 180-115168/2-A	Lab Control Sample	Total/NA	Solid	8260C	115168
MB 180-115168/1-A	Method Blank	Total/NA	Solid	8260C	115168

Prep Batch: 115168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-2	SSHS-B65-4-6 (4)	Total/NA	Solid	5035	
180-35818-4	SSHS-B65-10-12 (11)	Total/NA	Solid	5035	
180-35818-5	SSHS-B66-0.17-2 (1)	Total/NA	Solid	5035	
180-35818-6	SSHS-B66-2-4 (3)	Total/NA	Solid	5035	
180-35818-7	SSHS-B66-6-8R (7)	Total/NA	Solid	5035	
180-35818-8	SSHS-B67-0.17-2 (1)	Total/NA	Solid	5035	
180-35818-10	SSHS-B67-8-10 (9)	Total/NA	Solid	5035	
180-35818-11	SSHS-B67-10-12 (11)	Total/NA	Solid	5035	
180-35818-12	SSHS-B68-0.17-2 (1)	Total/NA	Solid	5035	
180-35818-13	SSHS-B68-2-6 (5.5)	Total/NA	Solid	5035	
180-35818-14	SSHS-B68-6-8R (6.5)	Total/NA	Solid	5035	
180-35818-15	SSHS-B69-0.17-2 (1)	Total/NA	Solid	5035	
180-35818-16	SSHS-B69-2-4 (4)	Total/NA	Solid	5035	

GC/MS VOA (Continued)

Prep Batch: 115168 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-115168/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-115168/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-17	SSHS-B69-4-6R (5)	Total/NA	Solid	8260C	115346
180-35818-18	SSHS-B83-0.17-2 (1)	Total/NA	Solid	8260C	115346
180-35818-19	SSHS-B84-0.17-2 (1)	Total/NA	Solid	8260C	115346
180-35818-20	SSHS-B84-2-6 (4)	Total/NA	Solid	8260C	115346
180-35818-21	SSHS-B84-6-10 (8)	Total/NA	Solid	8260C	115346
180-35818-22	SSHS-B84-10-14 (12)	Total/NA	Solid	8260C	115346
180-35818-23	SSHS-B87-0.17-2 (1.5)	Total/NA	Solid	8260C	115346
180-35818-24	SSHS-B87-2-6 (5)	Total/NA	Solid	8260C	115346
180-35818-25	SSHS-B87-6-10 (8)	Total/NA	Solid	8260C	115346
180-35818-26	SSHS-B87-10-15 (12)	Total/NA	Solid	8260C	115346
180-35818-27	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	8260C	115346
180-35818-28	SSHS-B81-2-6 (4)	Total/NA	Solid	8260C	115346
180-35818-29	SSHS-B81-6-10 (8)	Total/NA	Solid	8260C	115346
180-35818-30	SSHS-B81-10-13.5 (10.5)	Total/NA	Solid	8260C	115346
180-35818-31	SSHS-B76-SS	Total/NA	Solid	8260C	115346
180-35818-32	SSHS-B76-0.17-2 (1.5)	Total/NA	Solid	8260C	115346
180-35818-33	SSHS-B76-2-6 (5)	Total/NA	Solid	8260C	115346
180-35818-34	SSHS-B76-6-10 (8)	Total/NA	Solid	8260C	115346
180-35818-35	SSHS-B76-10-15 (12.5)	Total/NA	Solid	8260C	115346
LCS 180-115346/2-A	Lab Control Sample	Total/NA	Solid	8260C	115346
MB 180-115346/1-A	Method Blank	Total/NA	Solid	8260C	115346

Prep Batch: 115346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-17	SSHS-B69-4-6R (5)	Total/NA	Solid	5035	
180-35818-18	SSHS-B83-0.17-2 (1)	Total/NA	Solid	5035	
180-35818-19	SSHS-B84-0.17-2 (1)	Total/NA	Solid	5035	
180-35818-20	SSHS-B84-2-6 (4)	Total/NA	Solid	5035	
180-35818-21	SSHS-B84-6-10 (8)	Total/NA	Solid	5035	
180-35818-22	SSHS-B84-10-14 (12)	Total/NA	Solid	5035	
180-35818-23	SSHS-B87-0.17-2 (1.5)	Total/NA	Solid	5035	
180-35818-24	SSHS-B87-2-6 (5)	Total/NA	Solid	5035	
180-35818-25	SSHS-B87-6-10 (8)	Total/NA	Solid	5035	
180-35818-26	SSHS-B87-10-15 (12)	Total/NA	Solid	5035	
180-35818-27	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	5035	
180-35818-28	SSHS-B81-2-6 (4)	Total/NA	Solid	5035	
180-35818-29	SSHS-B81-6-10 (8)	Total/NA	Solid	5035	
180-35818-30	SSHS-B81-10-13.5 (10.5)	Total/NA	Solid	5035	
180-35818-31	SSHS-B76-SS	Total/NA	Solid	5035	
180-35818-32	SSHS-B76-0.17-2 (1.5)	Total/NA	Solid	5035	
180-35818-33	SSHS-B76-2-6 (5)	Total/NA	Solid	5035	
180-35818-34	SSHS-B76-6-10 (8)	Total/NA	Solid	5035	
180-35818-35	SSHS-B76-10-15 (12.5)	Total/NA	Solid	5035	
LCS 180-115346/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-115346/1-A	Method Blank	Total/NA	Solid	5035	

GC/MS VOA (Continued)

Analysis Batch: 115535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-36	SSHS-B77-SS	Total/NA	Solid	8260C	115538
180-35818-37	SSHS-B77-0.17-2 (1.5)	Total/NA	Solid	8260C	115538
180-35818-38	SSHS-B77-2-6 (5)	Total/NA	Solid	8260C	115538
180-35818-39	SSHS-B77-6-10 (8)	Total/NA	Solid	8260C	115538
180-35818-40	SSHS-B77-10-15 (12.5)	Total/NA	Solid	8260C	115538
LCS 180-115538/2-A	Lab Control Sample	Total/NA	Solid	8260C	115538
MB 180-115538/1-A	Method Blank	Total/NA	Solid	8260C	115538

Prep Batch: 115538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-36	SSHS-B77-SS	Total/NA	Solid	5035	
180-35818-37	SSHS-B77-0.17-2 (1.5)	Total/NA	Solid	5035	
180-35818-38	SSHS-B77-2-6 (5)	Total/NA	Solid	5035	
180-35818-39	SSHS-B77-6-10 (8)	Total/NA	Solid	5035	
180-35818-40	SSHS-B77-10-15 (12.5)	Total/NA	Solid	5035	
LCS 180-115538/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-115538/1-A	Method Blank	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 116124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-1	SSHS-B65-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-2	SSHS-B65-4-6 (4)	Total/NA	Solid	3541	
180-35818-3	SSHS-B65-8-10 (9)	Total/NA	Solid	3541	
180-35818-4	SSHS-B65-10-12 (11)	Total/NA	Solid	3541	
180-35818-5	SSHS-B66-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-6	SSHS-B66-2-4 (3)	Total/NA	Solid	3541	
180-35818-7	SSHS-B66-6-8R (7)	Total/NA	Solid	3541	
180-35818-8	SSHS-B67-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-9	SSHS-B67-2-6 (4.5)	Total/NA	Solid	3541	
180-35818-9 MS	SSHS-B67-2-6 (4.5)	Total/NA	Solid	3541	
180-35818-9 MSD	SSHS-B67-2-6 (4.5)	Total/NA	Solid	3541	
180-35818-10	SSHS-B67-8-10 (9)	Total/NA	Solid	3541	
180-35818-11	SSHS-B67-10-12 (11)	Total/NA	Solid	3541	
180-35818-12	SSHS-B68-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-13	SSHS-B68-2-6 (5.5)	Total/NA	Solid	3541	
180-35818-14	SSHS-B68-6-8R (6.5)	Total/NA	Solid	3541	
180-35818-15	SSHS-B69-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-16	SSHS-B69-2-4 (4)	Total/NA	Solid	3541	
180-35818-17	SSHS-B69-4-6R (5)	Total/NA	Solid	3541	
180-35818-18	SSHS-B83-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-19	SSHS-B84-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-20	SSHS-B84-2-6 (4)	Total/NA	Solid	3541	
LCS 180-116124/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-116124/1-A	Method Blank	Total/NA	Solid	3541	

Prep Batch: 116125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-21	SSHS-B84-6-10 (8)	Total/NA	Solid	3541	

QC Association Summary

GC/MS Semi VOA (Continued)

Prep Batch: 116125 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-21 MS	SSHS-B84-6-10 (8)	Total/NA	Solid	3541	
180-35818-21 MSD	SSHS-B84-6-10 (8)	Total/NA	Solid	3541	
180-35818-22	SSHS-B84-10-14 (12)	Total/NA	Solid	3541	
180-35818-23	SSHS-B87-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35818-24	SSHS-B87-2-6 (5)	Total/NA	Solid	3541	
180-35818-25	SSHS-B87-6-10 (8)	Total/NA	Solid	3541	
180-35818-26	SSHS-B87-10-15 (12)	Total/NA	Solid	3541	
180-35818-27	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35818-28	SSHS-B81-2-6 (4)	Total/NA	Solid	3541	
180-35818-29	SSHS-B81-6-10 (8)	Total/NA	Solid	3541	
180-35818-30	SSHS-B81-10-13.5 (10.5)	Total/NA	Solid	3541	
180-35818-31	SSHS-B76-SS	Total/NA	Solid	3541	
180-35818-32	SSHS-B76-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35818-33	SSHS-B76-2-6 (5)	Total/NA	Solid	3541	
180-35818-34	SSHS-B76-6-10 (8)	Total/NA	Solid	3541	
180-35818-35	SSHS-B76-10-15 (12.5)	Total/NA	Solid	3541	
180-35818-36	SSHS-B77-SS	Total/NA	Solid	3541	
180-35818-37	SSHS-B77-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35818-38	SSHS-B77-2-6 (5)	Total/NA	Solid	3541	
180-35818-39	SSHS-B77-6-10 (8)	Total/NA	Solid	3541	
180-35818-40	SSHS-B77-10-15 (12.5)	Total/NA	Solid	3541	
LCS 180-116125/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-116125/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 116206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-1	SSHS-B65-0.17-2 (1)	Total/NA	Solid	8270D	116124
180-35818-2	SSHS-B65-4-6 (4)	Total/NA	Solid	8270D	116124
180-35818-3	SSHS-B65-8-10 (9)	Total/NA	Solid	8270D	116124
180-35818-4	SSHS-B65-10-12 (11)	Total/NA	Solid	8270D	116124
180-35818-5	SSHS-B66-0.17-2 (1)	Total/NA	Solid	8270D	116124
180-35818-6	SSHS-B66-2-4 (3)	Total/NA	Solid	8270D	116124
180-35818-7	SSHS-B66-6-8R (7)	Total/NA	Solid	8270D	116124
180-35818-8	SSHS-B67-0.17-2 (1)	Total/NA	Solid	8270D	116124
180-35818-9	SSHS-B67-2-6 (4.5)	Total/NA	Solid	8270D	116124
180-35818-9 MS	SSHS-B67-2-6 (4.5)	Total/NA	Solid	8270D	116124
180-35818-9 MSD	SSHS-B67-2-6 (4.5)	Total/NA	Solid	8270D	116124
180-35818-10	SSHS-B67-8-10 (9)	Total/NA	Solid	8270D	116124
180-35818-11	SSHS-B67-10-12 (11)	Total/NA	Solid	8270D	116124
180-35818-12	SSHS-B68-0.17-2 (1)	Total/NA	Solid	8270D	116124
180-35818-13	SSHS-B68-2-6 (5.5)	Total/NA	Solid	8270D	116124
180-35818-14	SSHS-B68-6-8R (6.5)	Total/NA	Solid	8270D	116124
180-35818-15	SSHS-B69-0.17-2 (1)	Total/NA	Solid	8270D	116124
180-35818-16	SSHS-B69-2-4 (4)	Total/NA	Solid	8270D	116124
180-35818-17	SSHS-B69-4-6R (5)	Total/NA	Solid	8270D	116124
180-35818-18	SSHS-B83-0.17-2 (1)	Total/NA	Solid	8270D	116124
180-35818-19	SSHS-B84-0.17-2 (1)	Total/NA	Solid	8270D	116124
LCS 180-116124/2-A	Lab Control Sample	Total/NA	Solid	8270D	116124
MB 180-116124/1-A	Method Blank	Total/NA	Solid	8270D	116124

GC/MS Semi VOA (Continued)

Analysis Batch: 116273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-21	SSHS-B84-6-10 (8)	Total/NA	Solid	8270D	116125
180-35818-21 MSD	SSHS-B84-6-10 (8)	Total/NA	Solid	8270D	116125
180-35818-23	SSHS-B87-0.17-2 (1.5)	Total/NA	Solid	8270D	116125
180-35818-24	SSHS-B87-2-6 (5)	Total/NA	Solid	8270D	116125
180-35818-26	SSHS-B87-10-15 (12)	Total/NA	Solid	8270D	116125
180-35818-27	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	8270D	116125
180-35818-31	SSHS-B76-SS	Total/NA	Solid	8270D	116125
180-35818-34	SSHS-B76-6-10 (8)	Total/NA	Solid	8270D	116125
180-35818-35	SSHS-B76-10-15 (12.5)	Total/NA	Solid	8270D	116125

Analysis Batch: 116372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-20	SSHS-B84-2-6 (4)	Total/NA	Solid	8270D	116124

Analysis Batch: 116446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-21 MS	SSHS-B84-6-10 (8)	Total/NA	Solid	8270D	116125
180-35818-22	SSHS-B84-10-14 (12)	Total/NA	Solid	8270D	116125
180-35818-25	SSHS-B87-6-10 (8)	Total/NA	Solid	8270D	116125
180-35818-28	SSHS-B81-2-6 (4)	Total/NA	Solid	8270D	116125
180-35818-29	SSHS-B81-6-10 (8)	Total/NA	Solid	8270D	116125
180-35818-30	SSHS-B81-10-13.5 (10.5)	Total/NA	Solid	8270D	116125
180-35818-32	SSHS-B76-0.17-2 (1.5)	Total/NA	Solid	8270D	116125
180-35818-33	SSHS-B76-2-6 (5)	Total/NA	Solid	8270D	116125
180-35818-36	SSHS-B77-SS	Total/NA	Solid	8270D	116125
180-35818-37	SSHS-B77-0.17-2 (1.5)	Total/NA	Solid	8270D	116125
180-35818-38	SSHS-B77-2-6 (5)	Total/NA	Solid	8270D	116125
180-35818-39	SSHS-B77-6-10 (8)	Total/NA	Solid	8270D	116125
180-35818-40	SSHS-B77-10-15 (12.5)	Total/NA	Solid	8270D	116125
LCS 180-116125/2-A	Lab Control Sample	Total/NA	Solid	8270D	116125
MB 180-116125/1-A	Method Blank	Total/NA	Solid	8270D	116125

GC Semi VOA

Prep Batch: 116007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-1	SSHS-B65-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-2	SSHS-B65-4-6 (4)	Total/NA	Solid	3541	
180-35818-2 - DL	SSHS-B65-4-6 (4)	Total/NA	Solid	3541	
180-35818-3	SSHS-B65-8-10 (9)	Total/NA	Solid	3541	
180-35818-4	SSHS-B65-10-12 (11)	Total/NA	Solid	3541	
180-35818-5	SSHS-B66-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-5 - DL	SSHS-B66-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-6	SSHS-B66-2-4 (3)	Total/NA	Solid	3541	
180-35818-7	SSHS-B66-6-8R (7)	Total/NA	Solid	3541	
180-35818-8	SSHS-B67-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-8 - DL	SSHS-B67-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-9	SSHS-B67-2-6 (4.5)	Total/NA	Solid	3541	
180-35818-9 - DL	SSHS-B67-2-6 (4.5)	Total/NA	Solid	3541	
180-35818-9 MS	SSHS-B67-2-6 (4.5)	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 116007 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-9 MS	SSHS-B67-2-6 (4.5)	Total/NA	Solid	3541	
180-35818-9 MSD	SSHS-B67-2-6 (4.5)	Total/NA	Solid	3541	
180-35818-9 MSD	SSHS-B67-2-6 (4.5)	Total/NA	Solid	3541	
180-35818-10	SSHS-B67-8-10 (9)	Total/NA	Solid	3541	
180-35818-11	SSHS-B67-10-12 (11)	Total/NA	Solid	3541	
180-35818-12	SSHS-B68-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-13	SSHS-B68-2-6 (5.5)	Total/NA	Solid	3541	
180-35818-13 - DL	SSHS-B68-2-6 (5.5)	Total/NA	Solid	3541	
180-35818-14	SSHS-B68-6-8R (6.5)	Total/NA	Solid	3541	
180-35818-15	SSHS-B69-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-16	SSHS-B69-2-4 (4)	Total/NA	Solid	3541	
180-35818-16 - DL	SSHS-B69-2-4 (4)	Total/NA	Solid	3541	
180-35818-17	SSHS-B69-4-6R (5)	Total/NA	Solid	3541	
180-35818-17 - DL	SSHS-B69-4-6R (5)	Total/NA	Solid	3541	
LCS 180-116007/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCS 180-116007/5-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-116007/1-A	Method Blank	Total/NA	Solid	3541	
MB 180-116007/1-C	Method Blank	Total/NA	Solid	3541	

Prep Batch: 116127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-18	SSHS-B83-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-18 MS	SSHS-B83-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-18 MS	SSHS-B83-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-18 MSD	SSHS-B83-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-18 MSD	SSHS-B83-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-19	SSHS-B84-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-20	SSHS-B84-2-6 (4)	Total/NA	Solid	3541	
180-35818-21	SSHS-B84-6-10 (8)	Total/NA	Solid	3541	
180-35818-22	SSHS-B84-10-14 (12)	Total/NA	Solid	3541	
180-35818-23	SSHS-B87-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35818-24	SSHS-B87-2-6 (5)	Total/NA	Solid	3541	
180-35818-25	SSHS-B87-6-10 (8)	Total/NA	Solid	3541	
180-35818-26	SSHS-B87-10-15 (12)	Total/NA	Solid	3541	
180-35818-27	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35818-28	SSHS-B81-2-6 (4)	Total/NA	Solid	3541	
180-35818-29	SSHS-B81-6-10 (8)	Total/NA	Solid	3541	
180-35818-30	SSHS-B81-10-13.5 (10.5)	Total/NA	Solid	3541	
180-35818-31	SSHS-B76-SS	Total/NA	Solid	3541	
180-35818-32	SSHS-B76-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35818-33	SSHS-B76-2-6 (5)	Total/NA	Solid	3541	
180-35818-34	SSHS-B76-6-10 (8)	Total/NA	Solid	3541	
180-35818-35	SSHS-B76-10-15 (12.5)	Total/NA	Solid	3541	
180-35818-36	SSHS-B77-SS	Total/NA	Solid	3541	
180-35818-37	SSHS-B77-0.17-2 (1.5)	Total/NA	Solid	3541	
LCS 180-116127/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCS 180-116127/3-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-116127/1-A	Method Blank	Total/NA	Solid	3541	
MB 180-116127/1-C	Method Blank	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 116128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-38	SSHS-B77-2-6 (5)	Total/NA	Solid	3541	
180-35818-39	SSHS-B77-6-10 (8)	Total/NA	Solid	3541	
180-35818-40	SSHS-B77-10-15 (12.5)	Total/NA	Solid	3541	
LCS 180-116128/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCS 180-116128/3-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-116128/1-A	Method Blank	Total/NA	Solid	3541	
MB 180-116128/1-C	Method Blank	Total/NA	Solid	3541	

Cleanup Batch: 116142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-1	SSHS-B65-0.17-2 (1)	Total/NA	Solid	3665A	116007
180-35818-2	SSHS-B65-4-6 (4)	Total/NA	Solid	3665A	116007
180-35818-3	SSHS-B65-8-10 (9)	Total/NA	Solid	3665A	116007
180-35818-4	SSHS-B65-10-12 (11)	Total/NA	Solid	3665A	116007
180-35818-5	SSHS-B66-0.17-2 (1)	Total/NA	Solid	3665A	116007
180-35818-6	SSHS-B66-2-4 (3)	Total/NA	Solid	3665A	116007
180-35818-7	SSHS-B66-6-8R (7)	Total/NA	Solid	3665A	116007
180-35818-8	SSHS-B67-0.17-2 (1)	Total/NA	Solid	3665A	116007
180-35818-9	SSHS-B67-2-6 (4.5)	Total/NA	Solid	3665A	116007
180-35818-9 MS	SSHS-B67-2-6 (4.5)	Total/NA	Solid	3665A	116007
180-35818-9 MSD	SSHS-B67-2-6 (4.5)	Total/NA	Solid	3665A	116007
180-35818-10	SSHS-B67-8-10 (9)	Total/NA	Solid	3665A	116007
180-35818-11	SSHS-B67-10-12 (11)	Total/NA	Solid	3665A	116007
180-35818-12	SSHS-B68-0.17-2 (1)	Total/NA	Solid	3665A	116007
180-35818-13	SSHS-B68-2-6 (5.5)	Total/NA	Solid	3665A	116007
180-35818-14	SSHS-B68-6-8R (6.5)	Total/NA	Solid	3665A	116007
180-35818-15	SSHS-B69-0.17-2 (1)	Total/NA	Solid	3665A	116007
180-35818-16	SSHS-B69-2-4 (4)	Total/NA	Solid	3665A	116007
180-35818-17	SSHS-B69-4-6R (5)	Total/NA	Solid	3665A	116007
LCS 180-116007/5-C	Lab Control Sample	Total/NA	Solid	3665A	116007
MB 180-116007/1-C	Method Blank	Total/NA	Solid	3665A	116007

Cleanup Batch: 116143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-1	SSHS-B65-0.17-2 (1)	Total/NA	Solid	3660B	116142
180-35818-2	SSHS-B65-4-6 (4)	Total/NA	Solid	3660B	116142
180-35818-3	SSHS-B65-8-10 (9)	Total/NA	Solid	3660B	116142
180-35818-4	SSHS-B65-10-12 (11)	Total/NA	Solid	3660B	116142
180-35818-5	SSHS-B66-0.17-2 (1)	Total/NA	Solid	3660B	116142
180-35818-6	SSHS-B66-2-4 (3)	Total/NA	Solid	3660B	116142
180-35818-7	SSHS-B66-6-8R (7)	Total/NA	Solid	3660B	116142
180-35818-8	SSHS-B67-0.17-2 (1)	Total/NA	Solid	3660B	116142
180-35818-9	SSHS-B67-2-6 (4.5)	Total/NA	Solid	3660B	116142
180-35818-9 MS	SSHS-B67-2-6 (4.5)	Total/NA	Solid	3660B	116142
180-35818-9 MSD	SSHS-B67-2-6 (4.5)	Total/NA	Solid	3660B	116142
180-35818-10	SSHS-B67-8-10 (9)	Total/NA	Solid	3660B	116142
180-35818-11	SSHS-B67-10-12 (11)	Total/NA	Solid	3660B	116142
180-35818-12	SSHS-B68-0.17-2 (1)	Total/NA	Solid	3660B	116142
180-35818-13	SSHS-B68-2-6 (5.5)	Total/NA	Solid	3660B	116142
180-35818-14	SSHS-B68-6-8R (6.5)	Total/NA	Solid	3660B	116142
180-35818-15	SSHS-B69-0.17-2 (1)	Total/NA	Solid	3660B	116142

GC Semi VOA (Continued)

Cleanup Batch: 116143 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-16	SSHS-B69-2-4 (4)	Total/NA	Solid	3660B	116142
180-35818-17	SSHS-B69-4-6R (5)	Total/NA	Solid	3660B	116142
LCS 180-116007/5-C	Lab Control Sample	Total/NA	Solid	3660B	116142
MB 180-116007/1-C	Method Blank	Total/NA	Solid	3660B	116142

Analysis Batch: 116167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-3	SSHS-B65-8-10 (9)	Total/NA	Solid	8082A	116143
180-35818-4	SSHS-B65-10-12 (11)	Total/NA	Solid	8082A	116143
180-35818-7	SSHS-B66-6-8R (7)	Total/NA	Solid	8082A	116143
180-35818-10	SSHS-B67-8-10 (9)	Total/NA	Solid	8082A	116143
180-35818-11	SSHS-B67-10-12 (11)	Total/NA	Solid	8082A	116143
180-35818-14	SSHS-B68-6-8R (6.5)	Total/NA	Solid	8082A	116143
180-35818-15	SSHS-B69-0.17-2 (1)	Total/NA	Solid	8082A	116143
180-35818-18	SSHS-B83-0.17-2 (1)	Total/NA	Solid	8082A	116224
180-35818-18 MS	SSHS-B83-0.17-2 (1)	Total/NA	Solid	8082A	116224
180-35818-18 MSD	SSHS-B83-0.17-2 (1)	Total/NA	Solid	8082A	116224
180-35818-19	SSHS-B84-0.17-2 (1)	Total/NA	Solid	8082A	116224
180-35818-20	SSHS-B84-2-6 (4)	Total/NA	Solid	8082A	116224
180-35818-21	SSHS-B84-6-10 (8)	Total/NA	Solid	8082A	116224
180-35818-22	SSHS-B84-10-14 (12)	Total/NA	Solid	8082A	116224
180-35818-23	SSHS-B87-0.17-2 (1.5)	Total/NA	Solid	8082A	116224
180-35818-24	SSHS-B87-2-6 (5)	Total/NA	Solid	8082A	116224
180-35818-25	SSHS-B87-6-10 (8)	Total/NA	Solid	8082A	116224
180-35818-26	SSHS-B87-10-15 (12)	Total/NA	Solid	8082A	116224
180-35818-27	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	8082A	116224
180-35818-28	SSHS-B81-2-6 (4)	Total/NA	Solid	8082A	116224
180-35818-29	SSHS-B81-6-10 (8)	Total/NA	Solid	8082A	116224
180-35818-30	SSHS-B81-10-13.5 (10.5)	Total/NA	Solid	8082A	116224
180-35818-31	SSHS-B76-SS	Total/NA	Solid	8082A	116224
180-35818-32	SSHS-B76-0.17-2 (1.5)	Total/NA	Solid	8082A	116224
180-35818-33	SSHS-B76-2-6 (5)	Total/NA	Solid	8082A	116224
180-35818-34	SSHS-B76-6-10 (8)	Total/NA	Solid	8082A	116224
180-35818-35	SSHS-B76-10-15 (12.5)	Total/NA	Solid	8082A	116224
180-35818-36	SSHS-B77-SS	Total/NA	Solid	8082A	116224
180-35818-37	SSHS-B77-0.17-2 (1.5)	Total/NA	Solid	8082A	116224
LCS 180-116007/5-C	Lab Control Sample	Total/NA	Solid	8082A	116143
LCS 180-116127/3-C	Lab Control Sample	Total/NA	Solid	8082A	116224
MB 180-116007/1-C	Method Blank	Total/NA	Solid	8082A	116143
MB 180-116127/1-C	Method Blank	Total/NA	Solid	8082A	116224

Analysis Batch: 116170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-3	SSHS-B65-8-10 (9)	Total/NA	Solid	8082A	116143
180-35818-4	SSHS-B65-10-12 (11)	Total/NA	Solid	8082A	116143
180-35818-7	SSHS-B66-6-8R (7)	Total/NA	Solid	8082A	116143
180-35818-10	SSHS-B67-8-10 (9)	Total/NA	Solid	8082A	116143
180-35818-11	SSHS-B67-10-12 (11)	Total/NA	Solid	8082A	116143
180-35818-14	SSHS-B68-6-8R (6.5)	Total/NA	Solid	8082A	116143
180-35818-15	SSHS-B69-0.17-2 (1)	Total/NA	Solid	8082A	116143
180-35818-18	SSHS-B83-0.17-2 (1)	Total/NA	Solid	8082A	116224

GC Semi VOA (Continued)

Analysis Batch: 116170 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-18 MS	SSHS-B83-0.17-2 (1)	Total/NA	Solid	8082A	116224
180-35818-18 MSD	SSHS-B83-0.17-2 (1)	Total/NA	Solid	8082A	116224
180-35818-19	SSHS-B84-0.17-2 (1)	Total/NA	Solid	8082A	116224
180-35818-20	SSHS-B84-2-6 (4)	Total/NA	Solid	8082A	116224
180-35818-21	SSHS-B84-6-10 (8)	Total/NA	Solid	8082A	116224
180-35818-22	SSHS-B84-10-14 (12)	Total/NA	Solid	8082A	116224
180-35818-23	SSHS-B87-0.17-2 (1.5)	Total/NA	Solid	8082A	116224
180-35818-24	SSHS-B87-2-6 (5)	Total/NA	Solid	8082A	116224
180-35818-25	SSHS-B87-6-10 (8)	Total/NA	Solid	8082A	116224
180-35818-26	SSHS-B87-10-15 (12)	Total/NA	Solid	8082A	116224
180-35818-27	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	8082A	116224
180-35818-28	SSHS-B81-2-6 (4)	Total/NA	Solid	8082A	116224
180-35818-29	SSHS-B81-6-10 (8)	Total/NA	Solid	8082A	116224
180-35818-30	SSHS-B81-10-13.5 (10.5)	Total/NA	Solid	8082A	116224
180-35818-31	SSHS-B76-SS	Total/NA	Solid	8082A	116224
180-35818-32	SSHS-B76-0.17-2 (1.5)	Total/NA	Solid	8082A	116224
180-35818-33	SSHS-B76-2-6 (5)	Total/NA	Solid	8082A	116224
180-35818-34	SSHS-B76-6-10 (8)	Total/NA	Solid	8082A	116224
180-35818-35	SSHS-B76-10-15 (12.5)	Total/NA	Solid	8082A	116224
180-35818-36	SSHS-B77-SS	Total/NA	Solid	8082A	116224
180-35818-37	SSHS-B77-0.17-2 (1.5)	Total/NA	Solid	8082A	116224
LCS 180-116007/5-C	Lab Control Sample	Total/NA	Solid	8082A	116143
LCS 180-116127/3-C	Lab Control Sample	Total/NA	Solid	8082A	116224
MB 180-116007/1-C	Method Blank	Total/NA	Solid	8082A	116143
MB 180-116127/1-C	Method Blank	Total/NA	Solid	8082A	116224

Analysis Batch: 116178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-1	SSHS-B65-0.17-2 (1)	Total/NA	Solid	8081B	116007
180-35818-2	SSHS-B65-4-6 (4)	Total/NA	Solid	8081B	116007
180-35818-3	SSHS-B65-8-10 (9)	Total/NA	Solid	8081B	116007
180-35818-4	SSHS-B65-10-12 (11)	Total/NA	Solid	8081B	116007
180-35818-5	SSHS-B66-0.17-2 (1)	Total/NA	Solid	8081B	116007
180-35818-6	SSHS-B66-2-4 (3)	Total/NA	Solid	8081B	116007
180-35818-7	SSHS-B66-6-8R (7)	Total/NA	Solid	8081B	116007
180-35818-8	SSHS-B67-0.17-2 (1)	Total/NA	Solid	8081B	116007
180-35818-9	SSHS-B67-2-6 (4.5)	Total/NA	Solid	8081B	116007
180-35818-9 MS	SSHS-B67-2-6 (4.5)	Total/NA	Solid	8081B	116007
180-35818-9 MSD	SSHS-B67-2-6 (4.5)	Total/NA	Solid	8081B	116007
180-35818-10	SSHS-B67-8-10 (9)	Total/NA	Solid	8081B	116007
180-35818-11	SSHS-B67-10-12 (11)	Total/NA	Solid	8081B	116007
180-35818-12	SSHS-B68-0.17-2 (1)	Total/NA	Solid	8081B	116007
180-35818-13	SSHS-B68-2-6 (5.5)	Total/NA	Solid	8081B	116007
180-35818-14	SSHS-B68-6-8R (6.5)	Total/NA	Solid	8081B	116007
180-35818-15	SSHS-B69-0.17-2 (1)	Total/NA	Solid	8081B	116007
180-35818-16	SSHS-B69-2-4 (4)	Total/NA	Solid	8081B	116007
180-35818-17	SSHS-B69-4-6R (5)	Total/NA	Solid	8081B	116007
180-35818-18	SSHS-B83-0.17-2 (1)	Total/NA	Solid	8081B	116127
180-35818-18 MS	SSHS-B83-0.17-2 (1)	Total/NA	Solid	8081B	116127
180-35818-18 MSD	SSHS-B83-0.17-2 (1)	Total/NA	Solid	8081B	116127
180-35818-19	SSHS-B84-0.17-2 (1)	Total/NA	Solid	8081B	116127

GC Semi VOA (Continued)

Analysis Batch: 116178 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-20	SSHS-B84-2-6 (4)	Total/NA	Solid	8081B	116127
180-35818-21	SSHS-B84-6-10 (8)	Total/NA	Solid	8081B	116127
180-35818-22	SSHS-B84-10-14 (12)	Total/NA	Solid	8081B	116127
180-35818-23	SSHS-B87-0.17-2 (1.5)	Total/NA	Solid	8081B	116127
180-35818-24	SSHS-B87-2-6 (5)	Total/NA	Solid	8081B	116127
180-35818-25	SSHS-B87-6-10 (8)	Total/NA	Solid	8081B	116127
180-35818-26	SSHS-B87-10-15 (12)	Total/NA	Solid	8081B	116127
180-35818-27	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	8081B	116127
180-35818-28	SSHS-B81-2-6 (4)	Total/NA	Solid	8081B	116127
180-35818-29	SSHS-B81-6-10 (8)	Total/NA	Solid	8081B	116127
180-35818-30	SSHS-B81-10-13.5 (10.5)	Total/NA	Solid	8081B	116127
180-35818-31	SSHS-B76-SS	Total/NA	Solid	8081B	116127
180-35818-32	SSHS-B76-0.17-2 (1.5)	Total/NA	Solid	8081B	116127
180-35818-33	SSHS-B76-2-6 (5)	Total/NA	Solid	8081B	116127
180-35818-34	SSHS-B76-6-10 (8)	Total/NA	Solid	8081B	116127
180-35818-35	SSHS-B76-10-15 (12.5)	Total/NA	Solid	8081B	116127
180-35818-36	SSHS-B77-SS	Total/NA	Solid	8081B	116127
180-35818-37	SSHS-B77-0.17-2 (1.5)	Total/NA	Solid	8081B	116127
LCS 180-116007/2-A	Lab Control Sample	Total/NA	Solid	8081B	116007
LCS 180-116127/2-A	Lab Control Sample	Total/NA	Solid	8081B	116127
MB 180-116007/1-A	Method Blank	Total/NA	Solid	8081B	116007
MB 180-116127/1-A	Method Blank	Total/NA	Solid	8081B	116127

Cleanup Batch: 116223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-18	SSHS-B83-0.17-2 (1)	Total/NA	Solid	3665A	116127
180-35818-18 MS	SSHS-B83-0.17-2 (1)	Total/NA	Solid	3665A	116127
180-35818-18 MSD	SSHS-B83-0.17-2 (1)	Total/NA	Solid	3665A	116127
180-35818-19	SSHS-B84-0.17-2 (1)	Total/NA	Solid	3665A	116127
180-35818-20	SSHS-B84-2-6 (4)	Total/NA	Solid	3665A	116127
180-35818-21	SSHS-B84-6-10 (8)	Total/NA	Solid	3665A	116127
180-35818-22	SSHS-B84-10-14 (12)	Total/NA	Solid	3665A	116127
180-35818-23	SSHS-B87-0.17-2 (1.5)	Total/NA	Solid	3665A	116127
180-35818-24	SSHS-B87-2-6 (5)	Total/NA	Solid	3665A	116127
180-35818-25	SSHS-B87-6-10 (8)	Total/NA	Solid	3665A	116127
180-35818-26	SSHS-B87-10-15 (12)	Total/NA	Solid	3665A	116127
180-35818-27	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	3665A	116127
180-35818-28	SSHS-B81-2-6 (4)	Total/NA	Solid	3665A	116127
180-35818-29	SSHS-B81-6-10 (8)	Total/NA	Solid	3665A	116127
180-35818-30	SSHS-B81-10-13.5 (10.5)	Total/NA	Solid	3665A	116127
180-35818-31	SSHS-B76-SS	Total/NA	Solid	3665A	116127
180-35818-32	SSHS-B76-0.17-2 (1.5)	Total/NA	Solid	3665A	116127
180-35818-33	SSHS-B76-2-6 (5)	Total/NA	Solid	3665A	116127
180-35818-34	SSHS-B76-6-10 (8)	Total/NA	Solid	3665A	116127
180-35818-35	SSHS-B76-10-15 (12.5)	Total/NA	Solid	3665A	116127
180-35818-36	SSHS-B77-SS	Total/NA	Solid	3665A	116127
180-35818-37	SSHS-B77-0.17-2 (1.5)	Total/NA	Solid	3665A	116127
LCS 180-116127/3-C	Lab Control Sample	Total/NA	Solid	3665A	116127
MB 180-116127/1-C	Method Blank	Total/NA	Solid	3665A	116127

GC Semi VOA (Continued)

Cleanup Batch: 116224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-18	SSHS-B83-0.17-2 (1)	Total/NA	Solid	3660B	116223
180-35818-18 MS	SSHS-B83-0.17-2 (1)	Total/NA	Solid	3660B	116223
180-35818-18 MSD	SSHS-B83-0.17-2 (1)	Total/NA	Solid	3660B	116223
180-35818-19	SSHS-B84-0.17-2 (1)	Total/NA	Solid	3660B	116223
180-35818-20	SSHS-B84-2-6 (4)	Total/NA	Solid	3660B	116223
180-35818-21	SSHS-B84-6-10 (8)	Total/NA	Solid	3660B	116223
180-35818-22	SSHS-B84-10-14 (12)	Total/NA	Solid	3660B	116223
180-35818-23	SSHS-B87-0.17-2 (1.5)	Total/NA	Solid	3660B	116223
180-35818-24	SSHS-B87-2-6 (5)	Total/NA	Solid	3660B	116223
180-35818-25	SSHS-B87-6-10 (8)	Total/NA	Solid	3660B	116223
180-35818-26	SSHS-B87-10-15 (12)	Total/NA	Solid	3660B	116223
180-35818-27	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	3660B	116223
180-35818-28	SSHS-B81-2-6 (4)	Total/NA	Solid	3660B	116223
180-35818-29	SSHS-B81-6-10 (8)	Total/NA	Solid	3660B	116223
180-35818-30	SSHS-B81-10-13.5 (10.5)	Total/NA	Solid	3660B	116223
180-35818-31	SSHS-B76-SS	Total/NA	Solid	3660B	116223
180-35818-32	SSHS-B76-0.17-2 (1.5)	Total/NA	Solid	3660B	116223
180-35818-33	SSHS-B76-2-6 (5)	Total/NA	Solid	3660B	116223
180-35818-34	SSHS-B76-6-10 (8)	Total/NA	Solid	3660B	116223
180-35818-35	SSHS-B76-10-15 (12.5)	Total/NA	Solid	3660B	116223
180-35818-36	SSHS-B77-SS	Total/NA	Solid	3660B	116223
180-35818-37	SSHS-B77-0.17-2 (1.5)	Total/NA	Solid	3660B	116223
LCS 180-116127/3-C	Lab Control Sample	Total/NA	Solid	3660B	116223
MB 180-116127/1-C	Method Blank	Total/NA	Solid	3660B	116223

Cleanup Batch: 116291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-38	SSHS-B77-2-6 (5)	Total/NA	Solid	3665A	116128
180-35818-39	SSHS-B77-6-10 (8)	Total/NA	Solid	3665A	116128
180-35818-40	SSHS-B77-10-15 (12.5)	Total/NA	Solid	3665A	116128
LCS 180-116128/3-C	Lab Control Sample	Total/NA	Solid	3665A	116128
MB 180-116128/1-C	Method Blank	Total/NA	Solid	3665A	116128

Cleanup Batch: 116292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-38	SSHS-B77-2-6 (5)	Total/NA	Solid	3660B	116291
180-35818-39	SSHS-B77-6-10 (8)	Total/NA	Solid	3660B	116291
180-35818-40	SSHS-B77-10-15 (12.5)	Total/NA	Solid	3660B	116291
LCS 180-116128/3-C	Lab Control Sample	Total/NA	Solid	3660B	116291
MB 180-116128/1-C	Method Blank	Total/NA	Solid	3660B	116291

Analysis Batch: 116355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-2 - DL	SSHS-B65-4-6 (4)	Total/NA	Solid	8081B	116007
180-35818-5 - DL	SSHS-B66-0.17-2 (1)	Total/NA	Solid	8081B	116007
180-35818-8 - DL	SSHS-B67-0.17-2 (1)	Total/NA	Solid	8081B	116007
180-35818-9 - DL	SSHS-B67-2-6 (4.5)	Total/NA	Solid	8081B	116007
180-35818-9 MS	SSHS-B67-2-6 (4.5)	Total/NA	Solid	8081B	116007
180-35818-9 MSD	SSHS-B67-2-6 (4.5)	Total/NA	Solid	8081B	116007
180-35818-12	SSHS-B68-0.17-2 (1)	Total/NA	Solid	8081B	116007
180-35818-13 - DL	SSHS-B68-2-6 (5.5)	Total/NA	Solid	8081B	116007

GC Semi VOA (Continued)

Analysis Batch: 116355 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-16 - DL	SSHS-B69-2-4 (4)	Total/NA	Solid	8081B	116007
180-35818-17 - DL	SSHS-B69-4-6R (5)	Total/NA	Solid	8081B	116007
180-35818-38	SSHS-B77-2-6 (5)	Total/NA	Solid	8081B	116128
180-35818-39	SSHS-B77-6-10 (8)	Total/NA	Solid	8081B	116128
180-35818-40	SSHS-B77-10-15 (12.5)	Total/NA	Solid	8081B	116128
LCS 180-116128/2-A	Lab Control Sample	Total/NA	Solid	8081B	116128
MB 180-116128/1-A	Method Blank	Total/NA	Solid	8081B	116128

Analysis Batch: 116401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-1	SSHS-B65-0.17-2 (1)	Total/NA	Solid	8082A	116143
180-35818-2	SSHS-B65-4-6 (4)	Total/NA	Solid	8082A	116143
180-35818-5	SSHS-B66-0.17-2 (1)	Total/NA	Solid	8082A	116143
180-35818-6	SSHS-B66-2-4 (3)	Total/NA	Solid	8082A	116143
180-35818-8	SSHS-B67-0.17-2 (1)	Total/NA	Solid	8082A	116143
180-35818-9	SSHS-B67-2-6 (4.5)	Total/NA	Solid	8082A	116143
180-35818-9 MS	SSHS-B67-2-6 (4.5)	Total/NA	Solid	8082A	116143
180-35818-9 MSD	SSHS-B67-2-6 (4.5)	Total/NA	Solid	8082A	116143
180-35818-12	SSHS-B68-0.17-2 (1)	Total/NA	Solid	8082A	116143
180-35818-13	SSHS-B68-2-6 (5.5)	Total/NA	Solid	8082A	116143
180-35818-16	SSHS-B69-2-4 (4)	Total/NA	Solid	8082A	116143
180-35818-17	SSHS-B69-4-6R (5)	Total/NA	Solid	8082A	116143

Analysis Batch: 116403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-1	SSHS-B65-0.17-2 (1)	Total/NA	Solid	8082A	116143
180-35818-2	SSHS-B65-4-6 (4)	Total/NA	Solid	8082A	116143
180-35818-5	SSHS-B66-0.17-2 (1)	Total/NA	Solid	8082A	116143
180-35818-6	SSHS-B66-2-4 (3)	Total/NA	Solid	8082A	116143
180-35818-8	SSHS-B67-0.17-2 (1)	Total/NA	Solid	8082A	116143
180-35818-9	SSHS-B67-2-6 (4.5)	Total/NA	Solid	8082A	116143
180-35818-9 MS	SSHS-B67-2-6 (4.5)	Total/NA	Solid	8082A	116143
180-35818-9 MSD	SSHS-B67-2-6 (4.5)	Total/NA	Solid	8082A	116143
180-35818-12	SSHS-B68-0.17-2 (1)	Total/NA	Solid	8082A	116143
180-35818-13	SSHS-B68-2-6 (5.5)	Total/NA	Solid	8082A	116143
180-35818-16	SSHS-B69-2-4 (4)	Total/NA	Solid	8082A	116143
180-35818-17	SSHS-B69-4-6R (5)	Total/NA	Solid	8082A	116143

Analysis Batch: 116625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-38	SSHS-B77-2-6 (5)	Total/NA	Solid	8082A	116292
180-35818-39	SSHS-B77-6-10 (8)	Total/NA	Solid	8082A	116292
180-35818-40	SSHS-B77-10-15 (12.5)	Total/NA	Solid	8082A	116292
LCS 180-116128/3-C	Lab Control Sample	Total/NA	Solid	8082A	116292
MB 180-116128/1-C	Method Blank	Total/NA	Solid	8082A	116292

Analysis Batch: 116627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-38	SSHS-B77-2-6 (5)	Total/NA	Solid	8082A	116292
180-35818-39	SSHS-B77-6-10 (8)	Total/NA	Solid	8082A	116292
180-35818-40	SSHS-B77-10-15 (12.5)	Total/NA	Solid	8082A	116292

GC Semi VOA (Continued)

Analysis Batch: 116627 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-116128/3-C	Lab Control Sample	Total/NA	Solid	8082A	116292
MB 180-116128/1-C	Method Blank	Total/NA	Solid	8082A	116292

Metals

Prep Batch: 115610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-1	SSHS-B65-0.17-2 (1)	Total/NA	Solid	3050B	
180-35818-2	SSHS-B65-4-6 (4)	Total/NA	Solid	3050B	
180-35818-3	SSHS-B65-8-10 (9)	Total/NA	Solid	3050B	
180-35818-4	SSHS-B65-10-12 (11)	Total/NA	Solid	3050B	
180-35818-5	SSHS-B66-0.17-2 (1)	Total/NA	Solid	3050B	
180-35818-6	SSHS-B66-2-4 (3)	Total/NA	Solid	3050B	
180-35818-7	SSHS-B66-6-8R (7)	Total/NA	Solid	3050B	
180-35818-8	SSHS-B67-0.17-2 (1)	Total/NA	Solid	3050B	
180-35818-9	SSHS-B67-2-6 (4.5)	Total/NA	Solid	3050B	
180-35818-9 MS	SSHS-B67-2-6 (4.5)	Total/NA	Solid	3050B	
180-35818-9 MSD	SSHS-B67-2-6 (4.5)	Total/NA	Solid	3050B	
180-35818-10	SSHS-B67-8-10 (9)	Total/NA	Solid	3050B	
180-35818-11	SSHS-B67-10-12 (11)	Total/NA	Solid	3050B	
180-35818-12	SSHS-B68-0.17-2 (1)	Total/NA	Solid	3050B	
180-35818-13	SSHS-B68-2-6 (5.5)	Total/NA	Solid	3050B	
180-35818-14	SSHS-B68-6-8R (6.5)	Total/NA	Solid	3050B	
180-35818-15	SSHS-B69-0.17-2 (1)	Total/NA	Solid	3050B	
180-35818-16	SSHS-B69-2-4 (4)	Total/NA	Solid	3050B	
180-35818-17	SSHS-B69-4-6R (5)	Total/NA	Solid	3050B	
180-35818-18	SSHS-B83-0.17-2 (1)	Total/NA	Solid	3050B	
LCS 180-115610/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 180-115610/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 115611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-19	SSHS-B84-0.17-2 (1)	Total/NA	Solid	3050B	
180-35818-19 MS	SSHS-B84-0.17-2 (1)	Total/NA	Solid	3050B	
180-35818-19 MSD	SSHS-B84-0.17-2 (1)	Total/NA	Solid	3050B	
180-35818-20	SSHS-B84-2-6 (4)	Total/NA	Solid	3050B	
180-35818-21	SSHS-B84-6-10 (8)	Total/NA	Solid	3050B	
180-35818-22	SSHS-B84-10-14 (12)	Total/NA	Solid	3050B	
180-35818-23	SSHS-B87-0.17-2 (1.5)	Total/NA	Solid	3050B	
180-35818-24	SSHS-B87-2-6 (5)	Total/NA	Solid	3050B	
180-35818-25	SSHS-B87-6-10 (8)	Total/NA	Solid	3050B	
180-35818-26	SSHS-B87-10-15 (12)	Total/NA	Solid	3050B	
180-35818-27	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	3050B	
180-35818-28	SSHS-B81-2-6 (4)	Total/NA	Solid	3050B	
180-35818-29	SSHS-B81-6-10 (8)	Total/NA	Solid	3050B	
180-35818-30	SSHS-B81-10-13.5 (10.5)	Total/NA	Solid	3050B	
180-35818-31	SSHS-B76-SS	Total/NA	Solid	3050B	
180-35818-32	SSHS-B76-0.17-2 (1.5)	Total/NA	Solid	3050B	
180-35818-33	SSHS-B76-2-6 (5)	Total/NA	Solid	3050B	
180-35818-34	SSHS-B76-6-10 (8)	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 115611 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-35	SSHS-B76-10-15 (12.5)	Total/NA	Solid	3050B	
180-35818-36	SSHS-B77-SS	Total/NA	Solid	3050B	
180-35818-37	SSHS-B77-0.17-2 (1.5)	Total/NA	Solid	3050B	
180-35818-38	SSHS-B77-2-6 (5)	Total/NA	Solid	3050B	
LCS 180-115611/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 180-115611/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 115612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-39	SSHS-B77-6-10 (8)	Total/NA	Solid	3050B	
180-35818-40	SSHS-B77-10-15 (12.5)	Total/NA	Solid	3050B	
LCS 180-115612/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 180-115612/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 116176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-1	SSHS-B65-0.17-2 (1)	Total/NA	Solid	7471B	
180-35818-2	SSHS-B65-4-6 (4)	Total/NA	Solid	7471B	
180-35818-3	SSHS-B65-8-10 (9)	Total/NA	Solid	7471B	
180-35818-4	SSHS-B65-10-12 (11)	Total/NA	Solid	7471B	
180-35818-5	SSHS-B66-0.17-2 (1)	Total/NA	Solid	7471B	
180-35818-6	SSHS-B66-2-4 (3)	Total/NA	Solid	7471B	
180-35818-7	SSHS-B66-6-8R (7)	Total/NA	Solid	7471B	
180-35818-8	SSHS-B67-0.17-2 (1)	Total/NA	Solid	7471B	
180-35818-9	SSHS-B67-2-6 (4.5)	Total/NA	Solid	7471B	
180-35818-9 MS	SSHS-B67-2-6 (4.5)	Total/NA	Solid	7471B	
180-35818-9 MSD	SSHS-B67-2-6 (4.5)	Total/NA	Solid	7471B	
180-35818-10	SSHS-B67-8-10 (9)	Total/NA	Solid	7471B	
180-35818-11	SSHS-B67-10-12 (11)	Total/NA	Solid	7471B	
180-35818-12	SSHS-B68-0.17-2 (1)	Total/NA	Solid	7471B	
180-35818-13	SSHS-B68-2-6 (5.5)	Total/NA	Solid	7471B	
180-35818-14	SSHS-B68-6-8R (6.5)	Total/NA	Solid	7471B	
180-35818-15	SSHS-B69-0.17-2 (1)	Total/NA	Solid	7471B	
180-35818-16	SSHS-B69-2-4 (4)	Total/NA	Solid	7471B	
180-35818-17	SSHS-B69-4-6R (5)	Total/NA	Solid	7471B	
180-35818-18	SSHS-B83-0.17-2 (1)	Total/NA	Solid	7471B	
180-35818-19	SSHS-B84-0.17-2 (1)	Total/NA	Solid	7471B	
180-35818-20	SSHS-B84-2-6 (4)	Total/NA	Solid	7471B	
LCS 180-116176/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 180-116176/1-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 116177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-21	SSHS-B84-6-10 (8)	Total/NA	Solid	7471B	
180-35818-22	SSHS-B84-10-14 (12)	Total/NA	Solid	7471B	
180-35818-23	SSHS-B87-0.17-2 (1.5)	Total/NA	Solid	7471B	
180-35818-24	SSHS-B87-2-6 (5)	Total/NA	Solid	7471B	
180-35818-25	SSHS-B87-6-10 (8)	Total/NA	Solid	7471B	
180-35818-26	SSHS-B87-10-15 (12)	Total/NA	Solid	7471B	
180-35818-27	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	7471B	
180-35818-28	SSHS-B81-2-6 (4)	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 116177 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-29	SSHS-B81-6-10 (8)	Total/NA	Solid	7471B	
180-35818-29 MS	SSHS-B81-6-10 (8)	Total/NA	Solid	7471B	
180-35818-29 MSD	SSHS-B81-6-10 (8)	Total/NA	Solid	7471B	
180-35818-30	SSHS-B81-10-13.5 (10.5)	Total/NA	Solid	7471B	
180-35818-31	SSHS-B76-SS	Total/NA	Solid	7471B	
180-35818-32	SSHS-B76-0.17-2 (1.5)	Total/NA	Solid	7471B	
180-35818-33	SSHS-B76-2-6 (5)	Total/NA	Solid	7471B	
180-35818-34	SSHS-B76-6-10 (8)	Total/NA	Solid	7471B	
180-35818-35	SSHS-B76-10-15 (12.5)	Total/NA	Solid	7471B	
180-35818-36	SSHS-B77-SS	Total/NA	Solid	7471B	
180-35818-37	SSHS-B77-0.17-2 (1.5)	Total/NA	Solid	7471B	
180-35818-38	SSHS-B77-2-6 (5)	Total/NA	Solid	7471B	
180-35818-39	SSHS-B77-6-10 (8)	Total/NA	Solid	7471B	
180-35818-40	SSHS-B77-10-15 (12.5)	Total/NA	Solid	7471B	
LCS 180-116177/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 180-116177/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 116253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-1	SSHS-B65-0.17-2 (1)	Total/NA	Solid	7471B	116176
180-35818-2	SSHS-B65-4-6 (4)	Total/NA	Solid	7471B	116176
180-35818-3	SSHS-B65-8-10 (9)	Total/NA	Solid	7471B	116176
180-35818-4	SSHS-B65-10-12 (11)	Total/NA	Solid	7471B	116176
180-35818-5	SSHS-B66-0.17-2 (1)	Total/NA	Solid	7471B	116176
180-35818-6	SSHS-B66-2-4 (3)	Total/NA	Solid	7471B	116176
180-35818-7	SSHS-B66-6-8R (7)	Total/NA	Solid	7471B	116176
180-35818-8	SSHS-B67-0.17-2 (1)	Total/NA	Solid	7471B	116176
180-35818-9	SSHS-B67-2-6 (4.5)	Total/NA	Solid	7471B	116176
180-35818-9 MS	SSHS-B67-2-6 (4.5)	Total/NA	Solid	7471B	116176
180-35818-9 MSD	SSHS-B67-2-6 (4.5)	Total/NA	Solid	7471B	116176
180-35818-10	SSHS-B67-8-10 (9)	Total/NA	Solid	7471B	116176
180-35818-11	SSHS-B67-10-12 (11)	Total/NA	Solid	7471B	116176
180-35818-12	SSHS-B68-0.17-2 (1)	Total/NA	Solid	7471B	116176
180-35818-13	SSHS-B68-2-6 (5.5)	Total/NA	Solid	7471B	116176
180-35818-14	SSHS-B68-6-8R (6.5)	Total/NA	Solid	7471B	116176
180-35818-15	SSHS-B69-0.17-2 (1)	Total/NA	Solid	7471B	116176
180-35818-16	SSHS-B69-2-4 (4)	Total/NA	Solid	7471B	116176
180-35818-17	SSHS-B69-4-6R (5)	Total/NA	Solid	7471B	116176
180-35818-18	SSHS-B83-0.17-2 (1)	Total/NA	Solid	7471B	116176
180-35818-19	SSHS-B84-0.17-2 (1)	Total/NA	Solid	7471B	116176
180-35818-20	SSHS-B84-2-6 (4)	Total/NA	Solid	7471B	116176
180-35818-21	SSHS-B84-6-10 (8)	Total/NA	Solid	7471B	116177
180-35818-22	SSHS-B84-10-14 (12)	Total/NA	Solid	7471B	116177
180-35818-23	SSHS-B87-0.17-2 (1.5)	Total/NA	Solid	7471B	116177
180-35818-24	SSHS-B87-2-6 (5)	Total/NA	Solid	7471B	116177
180-35818-25	SSHS-B87-6-10 (8)	Total/NA	Solid	7471B	116177
180-35818-26	SSHS-B87-10-15 (12)	Total/NA	Solid	7471B	116177
180-35818-27	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	7471B	116177
180-35818-28	SSHS-B81-2-6 (4)	Total/NA	Solid	7471B	116177
180-35818-29	SSHS-B81-6-10 (8)	Total/NA	Solid	7471B	116177
180-35818-29 MS	SSHS-B81-6-10 (8)	Total/NA	Solid	7471B	116177

Metals (Continued)

Analysis Batch: 116253 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-29 MSD	SSHS-B81-6-10 (8)	Total/NA	Solid	7471B	116177
180-35818-30	SSHS-B81-10-13.5 (10.5)	Total/NA	Solid	7471B	116177
180-35818-31	SSHS-B76-SS	Total/NA	Solid	7471B	116177
180-35818-32	SSHS-B76-0.17-2 (1.5)	Total/NA	Solid	7471B	116177
180-35818-33	SSHS-B76-2-6 (5)	Total/NA	Solid	7471B	116177
180-35818-34	SSHS-B76-6-10 (8)	Total/NA	Solid	7471B	116177
180-35818-35	SSHS-B76-10-15 (12.5)	Total/NA	Solid	7471B	116177
180-35818-36	SSHS-B77-SS	Total/NA	Solid	7471B	116177
180-35818-37	SSHS-B77-0.17-2 (1.5)	Total/NA	Solid	7471B	116177
180-35818-38	SSHS-B77-2-6 (5)	Total/NA	Solid	7471B	116177
180-35818-39	SSHS-B77-6-10 (8)	Total/NA	Solid	7471B	116177
180-35818-40	SSHS-B77-10-15 (12.5)	Total/NA	Solid	7471B	116177
LCS 180-116176/2-A	Lab Control Sample	Total/NA	Solid	7471B	116176
LCS 180-116177/2-A	Lab Control Sample	Total/NA	Solid	7471B	116177
MB 180-116176/1-A	Method Blank	Total/NA	Solid	7471B	116176
MB 180-116177/1-A	Method Blank	Total/NA	Solid	7471B	116177

Analysis Batch: 116285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-1	SSHS-B65-0.17-2 (1)	Total/NA	Solid	6010C	115610
180-35818-2	SSHS-B65-4-6 (4)	Total/NA	Solid	6010C	115610
180-35818-3	SSHS-B65-8-10 (9)	Total/NA	Solid	6010C	115610
180-35818-4	SSHS-B65-10-12 (11)	Total/NA	Solid	6010C	115610
180-35818-5	SSHS-B66-0.17-2 (1)	Total/NA	Solid	6010C	115610
180-35818-6	SSHS-B66-2-4 (3)	Total/NA	Solid	6010C	115610
180-35818-7	SSHS-B66-6-8R (7)	Total/NA	Solid	6010C	115610
180-35818-8	SSHS-B67-0.17-2 (1)	Total/NA	Solid	6010C	115610
180-35818-9	SSHS-B67-2-6 (4.5)	Total/NA	Solid	6010C	115610
180-35818-9 MS	SSHS-B67-2-6 (4.5)	Total/NA	Solid	6010C	115610
180-35818-9 MSD	SSHS-B67-2-6 (4.5)	Total/NA	Solid	6010C	115610
180-35818-10	SSHS-B67-8-10 (9)	Total/NA	Solid	6010C	115610
180-35818-11	SSHS-B67-10-12 (11)	Total/NA	Solid	6010C	115610
180-35818-12	SSHS-B68-0.17-2 (1)	Total/NA	Solid	6010C	115610
180-35818-13	SSHS-B68-2-6 (5.5)	Total/NA	Solid	6010C	115610
180-35818-14	SSHS-B68-6-8R (6.5)	Total/NA	Solid	6010C	115610
180-35818-15	SSHS-B69-0.17-2 (1)	Total/NA	Solid	6010C	115610
180-35818-16	SSHS-B69-2-4 (4)	Total/NA	Solid	6010C	115610
180-35818-17	SSHS-B69-4-6R (5)	Total/NA	Solid	6010C	115610
180-35818-18	SSHS-B83-0.17-2 (1)	Total/NA	Solid	6010C	115610
LCS 180-115610/2-A	Lab Control Sample	Total/NA	Solid	6010C	115610
MB 180-115610/1-A	Method Blank	Total/NA	Solid	6010C	115610

Analysis Batch: 116361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-16	SSHS-B69-2-4 (4)	Total/NA	Solid	6010C	115610

Analysis Batch: 116412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-39	SSHS-B77-6-10 (8)	Total/NA	Solid	6010C	115612
180-35818-40	SSHS-B77-10-15 (12.5)	Total/NA	Solid	6010C	115612
180-35818-40	SSHS-B77-10-15 (12.5)	Total/NA	Solid	6010C	115612

Metals (Continued)

Analysis Batch: 116412 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-115612/2-A	Lab Control Sample	Total/NA	Solid	6010C	115612
MB 180-115612/1-A	Method Blank	Total/NA	Solid	6010C	115612

Analysis Batch: 116450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-19	SSHS-B84-0.17-2 (1)	Total/NA	Solid	6010C	115611
180-35818-19 MS	SSHS-B84-0.17-2 (1)	Total/NA	Solid	6010C	115611
180-35818-19 MSD	SSHS-B84-0.17-2 (1)	Total/NA	Solid	6010C	115611
180-35818-20	SSHS-B84-2-6 (4)	Total/NA	Solid	6010C	115611
180-35818-21	SSHS-B84-6-10 (8)	Total/NA	Solid	6010C	115611
180-35818-22	SSHS-B84-10-14 (12)	Total/NA	Solid	6010C	115611
180-35818-23	SSHS-B87-0.17-2 (1.5)	Total/NA	Solid	6010C	115611
180-35818-24	SSHS-B87-2-6 (5)	Total/NA	Solid	6010C	115611
180-35818-25	SSHS-B87-6-10 (8)	Total/NA	Solid	6010C	115611
180-35818-26	SSHS-B87-10-15 (12)	Total/NA	Solid	6010C	115611
180-35818-27	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	6010C	115611
180-35818-28	SSHS-B81-2-6 (4)	Total/NA	Solid	6010C	115611
180-35818-29	SSHS-B81-6-10 (8)	Total/NA	Solid	6010C	115611
180-35818-30	SSHS-B81-10-13.5 (10.5)	Total/NA	Solid	6010C	115611
180-35818-31	SSHS-B76-SS	Total/NA	Solid	6010C	115611
180-35818-32	SSHS-B76-0.17-2 (1.5)	Total/NA	Solid	6010C	115611
180-35818-33	SSHS-B76-2-6 (5)	Total/NA	Solid	6010C	115611
180-35818-34	SSHS-B76-6-10 (8)	Total/NA	Solid	6010C	115611
180-35818-35	SSHS-B76-10-15 (12.5)	Total/NA	Solid	6010C	115611
180-35818-36	SSHS-B77-SS	Total/NA	Solid	6010C	115611
180-35818-37	SSHS-B77-0.17-2 (1.5)	Total/NA	Solid	6010C	115611
180-35818-38	SSHS-B77-2-6 (5)	Total/NA	Solid	6010C	115611
LCS 180-115611/2-A	Lab Control Sample	Total/NA	Solid	6010C	115611
MB 180-115611/1-A	Method Blank	Total/NA	Solid	6010C	115611

Analysis Batch: 116527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-19	SSHS-B84-0.17-2 (1)	Total/NA	Solid	6010C	115611
180-35818-19 MS	SSHS-B84-0.17-2 (1)	Total/NA	Solid	6010C	115611
180-35818-19 MSD	SSHS-B84-0.17-2 (1)	Total/NA	Solid	6010C	115611
180-35818-20	SSHS-B84-2-6 (4)	Total/NA	Solid	6010C	115611
180-35818-23	SSHS-B87-0.17-2 (1.5)	Total/NA	Solid	6010C	115611
180-35818-24	SSHS-B87-2-6 (5)	Total/NA	Solid	6010C	115611
180-35818-25	SSHS-B87-6-10 (8)	Total/NA	Solid	6010C	115611
180-35818-27	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	6010C	115611
180-35818-28	SSHS-B81-2-6 (4)	Total/NA	Solid	6010C	115611
180-35818-29	SSHS-B81-6-10 (8)	Total/NA	Solid	6010C	115611
180-35818-30	SSHS-B81-10-13.5 (10.5)	Total/NA	Solid	6010C	115611
180-35818-31	SSHS-B76-SS	Total/NA	Solid	6010C	115611
180-35818-32	SSHS-B76-0.17-2 (1.5)	Total/NA	Solid	6010C	115611
180-35818-33	SSHS-B76-2-6 (5)	Total/NA	Solid	6010C	115611
180-35818-38	SSHS-B77-2-6 (5)	Total/NA	Solid	6010C	115611

General Chemistry

Analysis Batch: 115111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-30	SSHS-B81-10-13.5 (10.5)	Total/NA	Solid	2540G	
180-35818-31	SSHS-B76-SS	Total/NA	Solid	2540G	
180-35818-32	SSHS-B76-0.17-2 (1.5)	Total/NA	Solid	2540G	
180-35818-33	SSHS-B76-2-6 (5)	Total/NA	Solid	2540G	
180-35818-34	SSHS-B76-6-10 (8)	Total/NA	Solid	2540G	
180-35818-35	SSHS-B76-10-15 (12.5)	Total/NA	Solid	2540G	

Analysis Batch: 115150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-1	SSHS-B65-0.17-2 (1)	Total/NA	Solid	2540G	
180-35818-2	SSHS-B65-4-6 (4)	Total/NA	Solid	2540G	
180-35818-3	SSHS-B65-8-10 (9)	Total/NA	Solid	2540G	
180-35818-4	SSHS-B65-10-12 (11)	Total/NA	Solid	2540G	
180-35818-5	SSHS-B66-0.17-2 (1)	Total/NA	Solid	2540G	
180-35818-6	SSHS-B66-2-4 (3)	Total/NA	Solid	2540G	
180-35818-7	SSHS-B66-6-8R (7)	Total/NA	Solid	2540G	
180-35818-8	SSHS-B67-0.17-2 (1)	Total/NA	Solid	2540G	
180-35818-9	SSHS-B67-2-6 (4.5)	Total/NA	Solid	2540G	
180-35818-9 DU	SSHS-B67-2-6 (4.5)	Total/NA	Solid	2540G	
180-35818-10	SSHS-B67-8-10 (9)	Total/NA	Solid	2540G	
180-35818-11	SSHS-B67-10-12 (11)	Total/NA	Solid	2540G	
180-35818-12	SSHS-B68-0.17-2 (1)	Total/NA	Solid	2540G	
180-35818-13	SSHS-B68-2-6 (5.5)	Total/NA	Solid	2540G	
180-35818-14	SSHS-B68-6-8R (6.5)	Total/NA	Solid	2540G	
180-35818-36	SSHS-B77-SS	Total/NA	Solid	2540G	
180-35818-36 DU	SSHS-B77-SS	Total/NA	Solid	2540G	
180-35818-37	SSHS-B77-0.17-2 (1.5)	Total/NA	Solid	2540G	
180-35818-38	SSHS-B77-2-6 (5)	Total/NA	Solid	2540G	
180-35818-39	SSHS-B77-6-10 (8)	Total/NA	Solid	2540G	
180-35818-40	SSHS-B77-10-15 (12.5)	Total/NA	Solid	2540G	

Analysis Batch: 115151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-15	SSHS-B69-0.17-2 (1)	Total/NA	Solid	2540G	
180-35818-15 DU	SSHS-B69-0.17-2 (1)	Total/NA	Solid	2540G	
180-35818-16	SSHS-B69-2-4 (4)	Total/NA	Solid	2540G	
180-35818-17	SSHS-B69-4-6R (5)	Total/NA	Solid	2540G	
180-35818-18	SSHS-B83-0.17-2 (1)	Total/NA	Solid	2540G	
180-35818-19	SSHS-B84-0.17-2 (1)	Total/NA	Solid	2540G	
180-35818-20	SSHS-B84-2-6 (4)	Total/NA	Solid	2540G	
180-35818-21	SSHS-B84-6-10 (8)	Total/NA	Solid	2540G	
180-35818-22	SSHS-B84-10-14 (12)	Total/NA	Solid	2540G	
180-35818-23	SSHS-B87-0.17-2 (1.5)	Total/NA	Solid	2540G	
180-35818-24	SSHS-B87-2-6 (5)	Total/NA	Solid	2540G	
180-35818-25	SSHS-B87-6-10 (8)	Total/NA	Solid	2540G	
180-35818-25 DU	SSHS-B87-6-10 (8)	Total/NA	Solid	2540G	
180-35818-26	SSHS-B87-10-15 (12)	Total/NA	Solid	2540G	
180-35818-27	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	2540G	
180-35818-28	SSHS-B81-2-6 (4)	Total/NA	Solid	2540G	
180-35818-29	SSHS-B81-6-10 (8)	Total/NA	Solid	2540G	

General Chemistry (Continued)

Prep Batch: 115605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-1	SSHS-B65-0.17-2 (1)	Total/NA	Solid	9010C	
180-35818-2	SSHS-B65-4-6 (4)	Total/NA	Solid	9010C	
HLCS 180-115605/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-115605/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-115605/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-115605/4-A	Method Blank	Total/NA	Solid	9010C	

Analysis Batch: 115631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-1	SSHS-B65-0.17-2 (1)	Total/NA	Solid	9014	115605
180-35818-2	SSHS-B65-4-6 (4)	Total/NA	Solid	9014	115605
HLCS 180-115605/2-A	Lab Control Sample	Total/NA	Solid	9014	115605
LCS 180-115605/3-A	Lab Control Sample	Total/NA	Solid	9014	115605
LLCS 180-115605/1-A	Lab Control Sample	Total/NA	Solid	9014	115605
MB 180-115605/4-A	Method Blank	Total/NA	Solid	9014	115605

Prep Batch: 115650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-3	SSHS-B65-8-10 (9)	Total/NA	Solid	9010C	
180-35818-3 MS	SSHS-B65-8-10 (9)	Total/NA	Solid	9010C	
180-35818-4	SSHS-B65-10-12 (11)	Total/NA	Solid	9010C	
180-35818-5	SSHS-B66-0.17-2 (1)	Total/NA	Solid	9010C	
180-35818-6	SSHS-B66-2-4 (3)	Total/NA	Solid	9010C	
180-35818-7	SSHS-B66-6-8R (7)	Total/NA	Solid	9010C	
180-35818-8	SSHS-B67-0.17-2 (1)	Total/NA	Solid	9010C	
180-35818-9	SSHS-B67-2-6 (4.5)	Total/NA	Solid	9010C	
180-35818-9 MS	SSHS-B67-2-6 (4.5)	Total/NA	Solid	9010C	
180-35818-9 MSD	SSHS-B67-2-6 (4.5)	Total/NA	Solid	9010C	
180-35818-10	SSHS-B67-8-10 (9)	Total/NA	Solid	9010C	
180-35818-11	SSHS-B67-10-12 (11)	Total/NA	Solid	9010C	
180-35818-12	SSHS-B68-0.17-2 (1)	Total/NA	Solid	9010C	
180-35818-13	SSHS-B68-2-6 (5.5)	Total/NA	Solid	9010C	
180-35818-14	SSHS-B68-6-8R (6.5)	Total/NA	Solid	9010C	
180-35818-15	SSHS-B69-0.17-2 (1)	Total/NA	Solid	9010C	
180-35818-16	SSHS-B69-2-4 (4)	Total/NA	Solid	9010C	
180-35818-17	SSHS-B69-4-6R (5)	Total/NA	Solid	9010C	
180-35818-18	SSHS-B83-0.17-2 (1)	Total/NA	Solid	9010C	
180-35818-19	SSHS-B84-0.17-2 (1)	Total/NA	Solid	9010C	
180-35818-20	SSHS-B84-2-6 (4)	Total/NA	Solid	9010C	
180-35818-21	SSHS-B84-6-10 (8)	Total/NA	Solid	9010C	
HLCS 180-115650/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-115650/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-115650/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-115650/4-A	Method Blank	Total/NA	Solid	9010C	

Analysis Batch: 115748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-3	SSHS-B65-8-10 (9)	Total/NA	Solid	9014	115650
180-35818-3 MS	SSHS-B65-8-10 (9)	Total/NA	Solid	9014	115650
180-35818-4	SSHS-B65-10-12 (11)	Total/NA	Solid	9014	115650
180-35818-5	SSHS-B66-0.17-2 (1)	Total/NA	Solid	9014	115650

General Chemistry (Continued)

Analysis Batch: 115748 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-6	SSHS-B66-2-4 (3)	Total/NA	Solid	9014	115650
180-35818-7	SSHS-B66-6-8R (7)	Total/NA	Solid	9014	115650
180-35818-8	SSHS-B67-0.17-2 (1)	Total/NA	Solid	9014	115650
180-35818-9	SSHS-B67-2-6 (4.5)	Total/NA	Solid	9014	115650
180-35818-9 MS	SSHS-B67-2-6 (4.5)	Total/NA	Solid	9014	115650
180-35818-9 MSD	SSHS-B67-2-6 (4.5)	Total/NA	Solid	9014	115650
180-35818-10	SSHS-B67-8-10 (9)	Total/NA	Solid	9014	115650
180-35818-11	SSHS-B67-10-12 (11)	Total/NA	Solid	9014	115650
180-35818-12	SSHS-B68-0.17-2 (1)	Total/NA	Solid	9014	115650
180-35818-13	SSHS-B68-2-6 (5.5)	Total/NA	Solid	9014	115650
180-35818-14	SSHS-B68-6-8R (6.5)	Total/NA	Solid	9014	115650
180-35818-15	SSHS-B69-0.17-2 (1)	Total/NA	Solid	9014	115650
180-35818-16	SSHS-B69-2-4 (4)	Total/NA	Solid	9014	115650
180-35818-17	SSHS-B69-4-6R (5)	Total/NA	Solid	9014	115650
180-35818-18	SSHS-B83-0.17-2 (1)	Total/NA	Solid	9014	115650
180-35818-19	SSHS-B84-0.17-2 (1)	Total/NA	Solid	9014	115650
180-35818-20	SSHS-B84-2-6 (4)	Total/NA	Solid	9014	115650
180-35818-21	SSHS-B84-6-10 (8)	Total/NA	Solid	9014	115650
HLCS 180-115650/2-A	Lab Control Sample	Total/NA	Solid	9014	115650
LCS 180-115650/3-A	Lab Control Sample	Total/NA	Solid	9014	115650
LLCS 180-115650/1-A	Lab Control Sample	Total/NA	Solid	9014	115650
MB 180-115650/4-A	Method Blank	Total/NA	Solid	9014	115650

Prep Batch: 115799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-28	SSHS-B81-2-6 (4)	Total/NA	Solid	9010C	
180-35818-28 MS	SSHS-B81-2-6 (4)	Total/NA	Solid	9010C	
180-35818-29	SSHS-B81-6-10 (8)	Total/NA	Solid	9010C	
180-35818-30	SSHS-B81-10-13.5 (10.5)	Total/NA	Solid	9010C	
180-35818-31	SSHS-B76-SS	Total/NA	Solid	9010C	
180-35818-32	SSHS-B76-0.17-2 (1.5)	Total/NA	Solid	9010C	
180-35818-33	SSHS-B76-2-6 (5)	Total/NA	Solid	9010C	
180-35818-34	SSHS-B76-6-10 (8)	Total/NA	Solid	9010C	
180-35818-35	SSHS-B76-10-15 (12.5)	Total/NA	Solid	9010C	
180-35818-36	SSHS-B77-SS	Total/NA	Solid	9010C	
180-35818-37	SSHS-B77-0.17-2 (1.5)	Total/NA	Solid	9010C	
180-35818-38	SSHS-B77-2-6 (5)	Total/NA	Solid	9010C	
180-35818-39	SSHS-B77-6-10 (8)	Total/NA	Solid	9010C	
180-35818-40	SSHS-B77-10-15 (12.5)	Total/NA	Solid	9010C	
HLCS 180-115799/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-115799/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-115799/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-115799/4-A	Method Blank	Total/NA	Solid	9010C	

Analysis Batch: 115822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-28	SSHS-B81-2-6 (4)	Total/NA	Solid	9014	115799
180-35818-28 MS	SSHS-B81-2-6 (4)	Total/NA	Solid	9014	115799
180-35818-29	SSHS-B81-6-10 (8)	Total/NA	Solid	9014	115799
180-35818-30	SSHS-B81-10-13.5 (10.5)	Total/NA	Solid	9014	115799
180-35818-31	SSHS-B76-SS	Total/NA	Solid	9014	115799

General Chemistry (Continued)

Analysis Batch: 115822 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-32	SSHS-B76-0.17-2 (1.5)	Total/NA	Solid	9014	115799
180-35818-33	SSHS-B76-2-6 (5)	Total/NA	Solid	9014	115799
180-35818-34	SSHS-B76-6-10 (8)	Total/NA	Solid	9014	115799
180-35818-35	SSHS-B76-10-15 (12.5)	Total/NA	Solid	9014	115799
180-35818-36	SSHS-B77-SS	Total/NA	Solid	9014	115799
180-35818-37	SSHS-B77-0.17-2 (1.5)	Total/NA	Solid	9014	115799
180-35818-38	SSHS-B77-2-6 (5)	Total/NA	Solid	9014	115799
180-35818-39	SSHS-B77-6-10 (8)	Total/NA	Solid	9014	115799
180-35818-40	SSHS-B77-10-15 (12.5)	Total/NA	Solid	9014	115799
HLCS 180-115799/2-A	Lab Control Sample	Total/NA	Solid	9014	115799
LCS 180-115799/3-A	Lab Control Sample	Total/NA	Solid	9014	115799
LLCS 180-115799/1-A	Lab Control Sample	Total/NA	Solid	9014	115799
MB 180-115799/4-A	Method Blank	Total/NA	Solid	9014	115799

Prep Batch: 115921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-27	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	9010C	
180-35818-27 MS	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	9010C	
180-35818-27 MSD	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	9010C	
HLCS 180-115921/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-115921/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-115921/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-115921/4-A	Method Blank	Total/NA	Solid	9010C	

Analysis Batch: 115970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-27	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	9014	115921
180-35818-27 MS	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	9014	115921
180-35818-27 MSD	SSHS-B81-0.17-2 (1.5)	Total/NA	Solid	9014	115921
HLCS 180-115921/2-A	Lab Control Sample	Total/NA	Solid	9014	115921
LCS 180-115921/3-A	Lab Control Sample	Total/NA	Solid	9014	115921
LLCS 180-115921/1-A	Lab Control Sample	Total/NA	Solid	9014	115921
MB 180-115921/4-A	Method Blank	Total/NA	Solid	9014	115921

Prep Batch: 116102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-22	SSHS-B84-10-14 (12)	Total/NA	Solid	9010C	
180-35818-22 MS	SSHS-B84-10-14 (12)	Total/NA	Solid	9010C	
180-35818-23	SSHS-B87-0.17-2 (1.5)	Total/NA	Solid	9010C	
180-35818-24	SSHS-B87-2-6 (5)	Total/NA	Solid	9010C	
180-35818-25	SSHS-B87-6-10 (8)	Total/NA	Solid	9010C	
180-35818-26	SSHS-B87-10-15 (12)	Total/NA	Solid	9010C	
HLCS 180-116102/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-116102/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-116102/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-116102/4-A	Method Blank	Total/NA	Solid	9010C	

Analysis Batch: 116257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-22	SSHS-B84-10-14 (12)	Total/NA	Solid	9014	116102
180-35818-22 MS	SSHS-B84-10-14 (12)	Total/NA	Solid	9014	116102

General Chemistry (Continued)

Analysis Batch: 116257 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-23	SSHS-B87-0.17-2 (1.5)	Total/NA	Solid	9014	116102
180-35818-24	SSHS-B87-2-6 (5)	Total/NA	Solid	9014	116102
180-35818-25	SSHS-B87-6-10 (8)	Total/NA	Solid	9014	116102
180-35818-26	SSHS-B87-10-15 (12)	Total/NA	Solid	9014	116102
HLCS 180-116102/2-A	Lab Control Sample	Total/NA	Solid	9014	116102
LCS 180-116102/3-A	Lab Control Sample	Total/NA	Solid	9014	116102
LLCS 180-116102/1-A	Lab Control Sample	Total/NA	Solid	9014	116102
MB 180-116102/4-A	Method Blank	Total/NA	Solid	9014	116102

Temp 3.7 + CF = 3.7 Thermo 5
5.4 5.4
4.9 4.9
3.6 3.6

Temp 4.1 + CF = 4.6 Thermo 5
5.1 + CF = 5.1

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): Lab Courier	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 8 of 8
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C / 7471B metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082A/8081 PCB/Pest	Total Number of containers	Special Instructions/Note: No Custody Seals Signed tape
			Preservation Code:										
SSHS-B65-0.17-2(1)	8/14/2014	1310	C,G	S	N	N	x	x	x	x	x		
SSHS-B65-4-6 (4)	8/14/2014	1314	C,G	S	N	N	x	x	x	x	x		
SSHS-B65-8-10 (9)	8/14/2014	1324	C,G	S	N	N	X	X	X	X	X		
SSHS-B65-10-12 (11)	8/14/2014	1331	C,G	S	N	N	X	X	X	X	X		
SSHS-B66-0.17-2(1)	8/14/2014	1610	C,G	S	N	N	X	X	X	X	X		
SSHS-B66-2-4 (3)	8/14/2014	1623	C,G	S	N	N	X	X	X	X	X		
SSHS-B66-6-~~8~~(7)	8/14/2014	1629	C,G	S	N	N	X	X	X	X	X		
SSHS-B67-0.17-2(1)	8/14/2014	1347	C,G	S	N	N	X	X	X	X	X		
SSHS-B67-2-6(4.5)	8/14/2014	1400	C,G	S	N	Y	X	X	X	X	X		
SSHS-B67-2-6 (4.5) MS/MSD	8/14/2014	1400	C,G	S	N	*	X	X	X	X	X		
SSHS-B67-8-10(9)	8/14/2014	1415	C,G	S	N	N	X	X	X	X	X		

180-35818 Chain of Custody

Possible Hazard Identification

☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ________ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 8/15/14 0705	Company: Geosyntec	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time: 8-15-14 ~~0705~~ 1315	Company: Express	Received by:	Date/Time: 8/15/14 1315	Company: TAT
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam L Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): Lab Courier	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301 379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 2 of 9
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C / 7471B metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082A / 8081 PCB/Pest	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SSHS-B67-10-12(11)	8/14/2014	1425	C,G	S	N	N	X	X	X	X	X		
SSHS-B68-0.17-2(1)	8/14/2014	1528	C,G	S	N	N	X	X	X	X	X		
SSHS-B68-2-6(5.5)	8/14/2014	1540	C,G	S	N	N	X	X	X	X	X		
SSHS-B68-6-8R(6.5)	8/14/2014	1548	C,G	S	N	N	X	X	X	X	X		
SSHS-B69-0.17-2(1)	8/14/2014	1458	C,G	S	N	N	X	X	X	X	X		
SSHS-B69-2-4(4)	8/14/2014	1504	C,G	S	N	N	X	X	X	X	X		
SSHS-B69-4-6R(5)	8/14/2014	1512	C,G	S	N	N	X	X	X	X	X		
SSHS-B83-0.17-2(1)	8/14/2014	0827	C,G	S	N	N	X	X	X	X	X		
SSHS-B84-0.17-2(1)	8/14/2014	0948	C,G	S	N	N	X	X	X	X	X		
SSHS-B84-2-6(4)	8/14/2014	1014	C,G	S	N	N	X	X	X	X	X		
SSHS-B84-6-10(8)	8/14/2014	1020	C,G	S	N	N	X	X	X	X	X		

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 8/15/14 0705	Company: Geosyntec	Received by:		Date/Time:	Company
Relinquished by:	Date/Time: 8-15-14 1315	Company: Express	Received by:		Date/Time: 8/15/14 1315	Company: TAP
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company
Custody Seals Intact: △ Yes △ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam L. Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): Lab Courier	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 3 of 9
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C / 7471B metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082A / 8081 PCB/Pest	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SSHS-B84-10-14 (12)	8/14/2014	1030	C,G	S	N	N	X	X	X	X	X		
SSHS-B87-0.17-2 (1.5)	8/14/2014	1057	C,G	S	N	N	X	X	X	X	X		
SSHS-B87-2-6 (5)	8/14/2014	1118	C,G	S	N	N	X	X	X	X	X		
SSHS-B87-6-10 (8)	8/14/2014	1122	C,G	S	N	N	X	X	X	X	X		
SSHS-B87-10-15 (12)	8/14/2014	1128	C,G	S	N	N	X	X	X	X	X		
SSHS-B81-0.17-2 (1.5)	8/14/2014	0900	C,G	S	N	N	X	X	X	X	X		
SSHS-B81-2-6 (4)	8/14/2014	0910	C,G	S	N	N	X	X	X	X	X		
SSHS-B81-6-10 (8)	8/14/2014	0915	C,G	S	N	N	X	X	X	X	X		
SSHS-B81-10-13.5 (10.5)	8/14/2014	0924	C,G	S	N	N	X	X	X	X	X		
SSHS-B76-SS	8/14/2014	1639	C,G	S	N	N	X	X	X	X	X		
SSHS-B76-0.17-2 (1.5)	8/14/2014	1641	C,G	S	N	N	X	X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:	
Relinquished by:	Date/Time: 8/15/14 705	Company: Geosyntec	Received by:	Date/Time: / Company:
Relinquished by:	Date/Time: 8/15-14	Company: Express	Received by:	Date/Time: 8/15/14 1315 / Company: TAL
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: / Company:

Custody Seals Intact: △ Yes △ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam L. Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): Lab Courier	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 6 of 9
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C / 7471B metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082D / 8081 PCB/Pest	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SSHS-B26-A-SS	8/14/2014	0822	C,G	S	N	N	X	X	X	X	X		
SSHS-B26-A-0.17-2(0.5)	8/14/2014	0827	C,G	S	N	N	X	X	X	X	X		
SSHS-B26-A-2-6(2)	8/14/2014	0835	C,G	S	N	N	X	X	X	X	X		
SSHS-B26-A-6-8(7)	8/14/2014	0846	C,G	S	N	N	X	X	X	X	X		
SSHS-B26-A-13.5-15.5(15)	8/14/2014	0906	C,G	S	N	N	X	X	X	X	X		
SSHS-B70-SS	8/14/2014	1452	C,G	S	N	N	X	X	X	X	X		
SSHS-B70-0.17-2(1)	8/14/2014	1454	C,G	S	N	N	X	X	X	X	X		
SSHS-B70-2-6(3.5)	8/14/2014	1503	C,G	S	N	N	X	X	X	X	X		
SSHS-B70-6-10(7.5)	8/14/2014	1508	C,G	S	N	N	X	X	X	X	X		
SSHS-B70-10-14(12.5)	8/14/2014	1516	C,G	S	N	N	X	X	X	X	X		
SSHS-B80-0.17-2(1)	8/14/2014	1343	C,G	S	N	N	X	X	X	X	X		

Preservation Codes:

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

Other:

Possible Hazard Identification

☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 8/15/14 0705	Company: Geosyntec	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 8-15-14 ~~705~~ 1317	Company: Express	Received by:	Date/Time: 8/15/14	Company: TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Adam L. Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): Lab Courier	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 5 of 9
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA

M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C / 7471B metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082D / 8081 PCB/Pest	Total Number of containers	Special Instructions/Note:
			Preservation Code:						E,F				
SSHS-B75-2-6(3) MS/MSD	8/14/2014	1545	C,G	S	N	Y	X	X	X	X	X		
SSHS-B75-6-10(8)	8/14/2014	1558	C,G	S	N	N	X	X	X	X	X		
SSHS-B75-10-15(12.5)	8/14/2014	1611	C,G	S	N	N	X	X	X	X	X		
SSHS-B64-0.17-2(1)	8/14/2014	1058	C,G	S	N	N	X	X	X	X	X		
SSHS-B64-4-6(5)	8/14/2014	1106	C,G	S	N	N	X	X	X	X	X		
SSHS-B64-6-9(9)	8/14/2014	1113	C,G	S	N	N	X	X	X	X	X		
SSHS-B64-10-12(11)	8/14/2014	1120	C,G	S	N	N	X	X	X	X	X		
SSHS-B101-0.17-2(1)	8/14/2014	1137	C,G	S	N	N	X	X	X	X	X		
SSHS-B101-3-6(4)	8/14/2014	1146	C,G	S	N	N	X	X	X	X	X		
SSHS-B101-8-10(9)	8/14/2014	1158	C,G	S	N	N	X	X	X	X	X		
SSHS-B101-12-15.5(15)	8/14/2014	1205	C,G	S	N	N	X	X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time: 8/15/14 0705	Company: Geosyntec	Received by:		Date/Time:	Company
Relinquished by:	Date/Time: 8-15-14 1325	Company: Express	Received by: R. Br		Date/Time: 8/15/14 1315	Company: TAP
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam L. Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): Lab Carrier	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 9 of 9
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10220 Old Columbia Road Suite A	Due Date Requested:
City: Columbia	TAT Requested (days): Normal
State, Zip: MD, 21046	
Phone:	PO #: MN0832
Email: agray@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site - North	Project #: 18013464
Site:	SSOW#:

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C / 7471B metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs # LL+TICs	8082A / 8081 PCB/Pest								Total Number of containers	Special Instructions/Note:
			Preservation Code:																	
SSHS-B76-2-6(5)	8/14/2014	1643	C,G	S	N	N	X	X	X	X	X									
SSHS-B76-6-10(8)	8/14/2014	1656	C,G	S	N	N	X	X	X	X	X									
SSHS-B76-10-15(12.5)	8/14/2014	1704	C,G	S	N	N	X	X	X	X	X									
SSHS-B77-SS	8/14/2014	1725	C,G	S	N	N	X	X	X	X	X									
SSHS-B77-0.17-2(1.5)	8/14/2014	1731	C,G	S	N	N	X	X	X	X	X									
SSHS-B77-2-6(5)	8/14/2014	1738	C,G	S	N	N	X	X	X	X	X									
SSHS-B77-6-10(8)	8/14/2014	1744	C,G	S	N	N	X	X	X	X	X									
SSHS-B77-10-15(12.5)	8/14/2014	1750	C,G	S	N	N	X	X	X	X	X									
SSHS-B75-SS	8/14/2014	1532	C,G	S	N	N	X	X	X	X	X									
SSHS-B75-0.17-2(1.5)	8/14/2014	1537	C,G	S	N	N	X	X	X	X	X									
SSHS-B75-2-6(3)	8/14/2014	1545	C,G	S	N	Y	X	X	X	X	X									

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 8/15/14 0705	Company: Geosyntec	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 8-15-14	Company: Express	Received by: K. Butler	Date/Time: 8/15/14 1315	Company: TAT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam L Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): Lab Courier	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 7 of 9
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10220 Old Columbia Road Suite A
City: Columbia
State, Zip: MD, 21046
Phone:
Email: agray@geosyntec.com
Project Name: Former Sperry Remington Site - North
Site:

Due Date Requested:
TAT Requested (days): Normal
PO #: MN0832
WO #:
Project #: 18013464
SSOW#:

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010 C / 7471 B metals	Cyanide	8260 B - VOCs LL+TICs	8270 D - SVOCs, LL+TIC	8082 D / 8081 PCB/Pests	Total Number of containers	Special Instructions/Note:
			Preservation Code:						FJ				
SSHS-B80-2-6(5)	8/14/2014	1352	C,G	S	N	N	X	X	X	X	X		
SSHS-B80-6-10(8)	8/14/2014	1400	C,G	S	N	N	X	X	X	X	X		
SSHS-B80-10-14.5(12.5)	8/14/2014	1410	C,G	S	N	N	X	X	X	X	X		
SSHS-B79-0.17-2(1)	8/14/2014	1300	C,G	S	N	N	X	X	X	X	X		
SSHS-B79-2-6(4.5)	8/14/2014	1305	C,G	S	N	N	X	X	X	X	X		
SSHS-B79-2-6(4.5) MS/MSD	8/14/2014	1305	C,G	S	N	*	X	X	X	X	X		
SSHS-B79-6-10(8)	8/14/2014	1311	C,G	S	N	N	X	X	X	X	X		
SSHS-B79-10-15(12.5)	8/14/2014	1318	C,G	S	N	N	X	X	X	X	X		
SSHS-B78-0.17-2(1.5)	8/14/2014	1150	C,G	S	N		X	X	X	X	X		
SSHS-B78-2-6(3.5)	8/14/2014	1157	C,G	S	N		X	X	X	X	X		
SSHS-B78-6-10(8)	8/14/2014	1203	C,G	S	N		X	X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)
Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time: 8/15/14 0705	Company: Geosyntec	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time: 8-15-14 705	Company: Express	Received by:	Date/Time: 8/15/14 1315	Company: TAP	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam L. Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): Lab Carrier	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 8 of 9
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C / 7471B metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082 / 8081 PCB/Pest	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SSHS-B378-10-15(12)	8/14/2014	1210	C,G	S	N	N	X	X	X	X	X		
Dup-12	8/14/2014	—	C,G	S	N	N	X	X	X	X	X		
Dup-13	8/14/2014	—	C,G	S	N	N	X	X	X	X	X		
Dup-14	8/14/2014	—	C,G	S	N	N	X	X	X	X	X		
Dup-15	8/14/2014	—	C,G	S	N	N	X	X	X	X	X		
Dup-16	8/14/2014	—	C,G	S	N	N	X	X	X	X	X		
Dup-17	8/14/2014	—	C,G	S	N	N	X	X	X	X	X		
Dup-18	8/14/2014	—	C,G	S	N	N	X	X	X	X	X		
Dup-19	8/14/2014	—	C,G	S	N	N	X	X	X	X	X		

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 8/15/14 0705	Company: Geosyntec	Received by:	Date/Time: 8-15-14	Company: Express
Relinquished by:	Date/Time: 8-15-14 1315	Company: Express	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 8/15/14 1315	Company: TAP

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Adam L. Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): Lab Courier	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 9 of 9
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOCs LL+TICs	8015D - TPH-GRO	8015D - TPH-DRO	8082A - PCB LL	8081 - Pest LL	8270D - SVOCs LL+TICs	6010C / 7471B - metals	Cyanide	Total Number of containers	Special Instructions/Note:
			Preservation Code:													
SSHS-B26-A-GW-18-22	8/14/2014	0930	G	W	N	N	X	X	X			X				Potential Product (petroleum) in Samples
SSHS-B26-A-GW-18-22 MS/MSD	8/14/2014	0930	G	W	N	N	X	X	X			X				
20140814-Equipment Blank-Soil	8/14/2014	1755	G	W	N	N	X			X	X	X	X	X		
Trip Blank	8/14/2014	—	—	W	N	N	X									

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 8/15/14 0705	Company: Geosyntec	Received by:	Date/Time: 8-15-14	Company
Relinquished by:	Date/Time: 8-15-14/1315	Company: Express	Received by:	Date/Time: 8-15-14	Company: TAT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-35818-1

Login Number: 35818

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Butcher, Ryan M

Question	**Answer**	**Comment**
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

TestAmerica Job ID: 180-35818-2
Client Project/Site: Former Sperry Remington Site - North

For:
Geosyntec Consultants, Inc.
10220 Old Columbia Road
Suite A
Columbia, Maryland 21046

Attn: Mr. Aron Krasnopoler

Authorized for release by:
9/10/2014 11:12:26 PM

David Dunlap, Senior Project Manager
(412)963-2432
dave.dunlap@testamericainc.com

LINKS

Review your project results through
TotalAccess

Have a Question?
Ask The Expert

Visit us at:
www.testamericainc.com

Table of Contents

Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Job ID: 180-35818-2

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-35818-2

This report contains the results of the 41st sample to the last sample on the COCs. The remainder of the samples are reported in laboratory job# 180-35818-1.

Receipt
The samples were received on 8/15/2014 1:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 3.6° C, 3.7° C, 4.4° C, 4.6° C, 5.1° C, and 5.4° C.

GC/MS VOA
Method(s) 8260C: The following sample was analyzed via the methanol preserved terracore vial to bring the concentration of target analytes within the calibration range: SSHS-B26-A-SS (180-35818-54). Elevated reporting limits (RLs) are provided.

Method 8260C: Sample DUP-17 (180-35818-81) was analyzed twice. The initial analysis had the recovery of surrogate dibromofluoromethane above the control limits by 1%. The re-analysis had all internal standard area counts below criteria, likely due to a poor purge. As the sample was collected in terracore vials, a third analysis could not be completed. Only the results of the initial analysis were reported.

Method(s) 8260C: The laboratory control sample duplicate (LCSD) for batch 115684 recovered above the control limits for the following analyte: cis-1,3-dichloropropene. As this analyte was biased high in the LCSD and was not detected in the associated samples, the results were reported.

Method(s) 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch 115684 was above the control limits for the following analytes: 1,2-dibromoethane and 4-methyl-2-pentanone. The recoveries were within the control limits.

Method(s) 8260C: The laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) for batch 115777 recovered above the control limits for the following analytes: carbon tetrachloride, trans-1,2-dichloroethene, 1,1,1-trichloroethane, and/or 1,1,2-trichloro-1,2,2-trifluoroethane. As these analytes were biased high in the LCS/LCSD and were not detected in the associated samples (with the exception of sample DUP-16 (180-35818-80) which had 1,1,2-trichloro-1,2,2-trifluoroethane detected at 9.2 ug/kg, which was noted after the holding time has past), the results were reported.

Method(s) 8260C: The laboratory control sample duplicate (LCSD) for prep batch 115842 recovered slightly below the control limits for the following analyte: 1,2-dibromoethane.

Method(s) 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for prep batch 115842 was above the control limits for the following analytes: bromomethane and chloroethane. The recoveries were within the control limits.

Method(s) 8260C: The laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) for batch 115865 recovered above the control limits for the following analytes: carbon tetrachloride, trans-1,2-dichloroethene, 1,1,1-trichloroethane, and/or 1,1,2-trichloro-1,2,2-trifluoroethane. As these analytes were biased high in the LCS/LCSD and were not detected in the associated samples, the results were reported.

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

GC/MS Semi VOA
Method 8270D: The following samples were diluted due to the nature of the sample matrix (viscous extract): SSHS-B75-0.17-2 (1.5) (180-35818-42) and DUP-18 (180-35818-82). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: SSHS-B70-6-10 (7.5) (180-35818-62). Elevated reporting limits (RLs) are provided.

Job ID: 180-35818-2 (Continued)

Laboratory: TestAmerica Pittsburgh (Continued)

Method(s) 8270D: The laboratory control sample (LCS) for prep batch 116269 recovered below the control limits for the following analyte: benzaldehyde. Benzaldehyde has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

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

GC VOA

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

GC Semi VOA

Method(s) 8015D: The following sample was diluted to bring the concentration of target analytes within the calibration range: SSHS-B26-A-GW-18-22 (180-35818-84). Elevated reporting limits (RLs) are provided.

Method 8081B: The following samples were diluted to bring the concentration of target analytes within the calibration range: SSHS-B70-6-10 (7.5) (180-35818-62) and DUP-18 (180-35818-82). Elevated reporting limits (RLs) are provided.

Method 8081B: The recovery of surrogate tetrachloro-m-xylene was above the control limits for sample DUP-18 (180-35818-82) on column MR-1.

Method 8081B: The recovery of surrogate tetrachloro-m-xylene was slightly below the control limits for sample 20140814-EQUIPMENT BLANK-SOIL (180-35818-85) on both columns. The recovery of decachlorobiphenyl was within the control limits.

Method 8082A: Several samples contained compounds over the calibration range and required dilution. Elevated reporting limits (RLs) are provided.

Method 8082A: The recovery of surrogates tetrachloro-m-xylene and decachlorobiphenyl were above the control limits for the matrix spike duplicate of sample DUP-14 (180-35818-78). After review of the surrogate and spike recoveries for both the matrix spike and matrix spike duplicate, the possibility exists that surrogate spiking solution was added twice to the matrix spike duplicate.

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

Metals

Method(s) 6010C: The following samples were diluted to bring the concentration of calcium within the instrument's linear range: SSHS-B78-6-10 (8) (180-35818-74) and SSHS-B78-10-15 (12) (180-35818-75). Elevated reporting limits (RLs) are provided.

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

General Chemistry

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

Definitions/Glossary

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
*	RPD of the LCS and LCSD exceeds the control limits
X	Surrogate is outside control limits

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
E	Result exceeded calibration range.
*	LCS or LCSD exceeds the control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.
N	Presumptive evidence of material.

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-15
California	State Program	9	2891	03-31-15
Connecticut	State Program	1	PH-0688	09-30-14 *
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	01-31-15
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-15
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-15
North Carolina (WW/SW)	State Program	4	434	12-31-14
Pennsylvania	NELAP	3	02-00416	04-30-15
South Carolina	State Program	4	89014	04-30-15
Texas	NELAP	6	T104704528	03-31-15
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P330-10-00139	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-14 *
West Virginia DEP	State Program	3	142	01-31-15
Wisconsin	State Program	5	998027800	08-31-14 *

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-14 *
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-14 *

* Certification renewal pending - certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-2
Project/Site: Former Sperry Remington Site - North

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-35818-41	SSHS-B75-SS	Solid	08/14/14 15:32	08/15/14 09:10
180-35818-42	SSHS-B75-0.17-2 (1.5)	Solid	08/14/14 15:37	08/15/14 09:10
180-35818-43	SSHS-B75-2-6 (3)	Solid	08/14/14 15:45	08/15/14 09:10
180-35818-44	SSHS-B75-6-10 (8)	Solid	08/14/14 15:58	08/15/14 09:10
180-35818-45	SSHS-B75-10-15 (12.5)	Solid	08/14/14 16:11	08/15/14 09:10
180-35818-46	SSHS-B64-0.17-2 (1)	Solid	08/14/14 10:58	08/15/14 09:10
180-35818-47	SSHS-B64-4-6 (5)	Solid	08/14/14 11:06	08/15/14 09:10
180-35818-48	SSHS-B64-6-9 (9)	Solid	08/14/14 11:13	08/15/14 09:10
180-35818-49	SSHS-B64-10-12 (11)	Solid	08/14/14 11:20	08/15/14 09:10
180-35818-50	SSHS-B101-0.17-2 (1)	Solid	08/14/14 11:37	08/15/14 09:10
180-35818-51	SSHS-B101-3-6 (4)	Solid	08/14/14 11:46	08/15/14 09:10
180-35818-52	SSHS-B101-8-10 (9)	Solid	08/14/14 11:58	08/15/14 09:10
180-35818-53	SSHS-B101-12-15.5R (15)	Solid	08/14/14 12:05	08/15/14 09:10
180-35818-54	SSHS-B26-A-SS	Solid	08/14/14 08:22	08/15/14 09:10
180-35818-55	SSHS-B26-A-0.17-2 (0.5)	Solid	08/14/14 08:27	08/15/14 09:10
180-35818-56	SSHS-B26-A-2-6 (2)	Solid	08/14/14 08:35	08/15/14 09:10
180-35818-57	SSHS-B26-A-6-8 (7)	Solid	08/14/14 08:46	08/15/14 09:10
180-35818-58	SSHS-B26-A-13.5-15.5 (15)	Solid	08/14/14 09:06	08/15/14 09:10
180-35818-59	SSHS-B70-SS	Solid	08/14/14 14:52	08/15/14 09:10
180-35818-60	SSHS-B70-0.17-2 (1)	Solid	08/14/14 14:54	08/15/14 09:10
180-35818-61	SSHS-B70-2-6 (3.5)	Solid	08/14/14 15:03	08/15/14 09:10
180-35818-62	SSHS-B70-6-10 (7.5)	Solid	08/14/14 15:08	08/15/14 09:10
180-35818-63	SSHS-B70-10-14 (12.5)	Solid	08/14/14 15:16	08/15/14 09:10
180-35818-64	SSHS-B80-0.17-2 (1)	Solid	08/14/14 13:43	08/15/14 09:10
180-35818-65	SSHS-B80-2-6 (5)	Solid	08/14/14 13:52	08/15/14 09:10
180-35818-66	SSHS-B80-6-10 (8)	Solid	08/14/14 14:00	08/15/14 09:10
180-35818-67	SSHS-B80-10-14.5 (12.5)	Solid	08/14/14 14:10	08/15/14 09:10
180-35818-68	SSHS-B79-0.17-2 (1)	Solid	08/14/14 13:00	08/15/14 09:10
180-35818-69	SSHS-B79-2-6 (4.5)	Solid	08/14/14 13:05	08/15/14 09:10
180-35818-70	SSHS-B79-6-10 (8)	Solid	08/14/14 13:11	08/15/14 09:10
180-35818-71	SSHS-B79-10-15 (12.5)	Solid	08/14/14 13:18	08/15/14 09:10
180-35818-72	SSHS-B78-0.17-2 (1.5)	Solid	08/14/14 11:50	08/15/14 09:10
180-35818-73	SSHS-B78-2-6 (3.5)	Solid	08/14/14 11:57	08/15/14 09:10
180-35818-74	SSHS-B78-6-10 (8)	Solid	08/14/14 12:03	08/15/14 09:10
180-35818-75	SSHS-B78-10-15 (12)	Solid	08/14/14 12:10	08/15/14 09:10
180-35818-76	DUP-12	Solid	08/14/14 00:00	08/15/14 09:10
180-35818-77	DUP-13	Solid	08/14/14 00:00	08/15/14 09:10
180-35818-78	DUP-14	Solid	08/14/14 00:00	08/15/14 09:10
180-35818-79	DUP-15	Solid	08/14/14 00:00	08/15/14 09:10
180-35818-80	DUP-16	Solid	08/14/14 00:00	08/15/14 09:10
180-35818-81	DUP-17	Solid	08/14/14 00:00	08/15/14 09:10
180-35818-82	DUP-18	Solid	08/14/14 00:00	08/15/14 09:10
180-35818-83	DUP-19	Solid	08/14/14 00:00	08/15/14 09:10
180-35818-84	SSHS-B26-A-GW-18-22	Water	08/14/14 09:30	08/15/14 09:10
180-35818-85	20140814-EQUIPMENT BLANK- SOIL	Water	08/14/14 17:55	08/15/14 09:10
180-35818-86	TRIP BLANK	Water	08/14/14 00:00	08/15/14 09:10

Method Summary

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds (GC/MS)	SW846	TAL PIT
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PIT
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
8015D	Gasoline Range Organics (GRO) (GC)	SW846	TAL CAN
8015D	Diesel Range Organics (DRO) (GC)	SW846	TAL CAN
8081B	Organochlorine Pesticides (GC)	SW846	TAL PIT
8081B_LL	Organochlorine Pesticides (GC)	SW846	TAL PIT
8082A	Polychlorinated Biphenyls (PCBs) (GC)	SW846	TAL PIT
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
6010C	Metals (ICP)	SW846	TAL PIT
7470A	Mercury (CVAA)	SW846	TAL PIT
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
9014	Cyanide	SW846	TAL PIT

Protocol References:

SM22 = SM22

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B75-SS

Lab Sample ID: 180-35818-41

Date Collected: 08/14/14 15:32
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9121 g	5 mL	115538	08/21/14 05:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.9121 g	5 mL	115535	08/21/14 16:24	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116372	08/28/14 12:52	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/28/14 15:05	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116627	08/31/14 12:48	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116625	08/31/14 13:20	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00000.96 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.96 g	100 mL	116412	08/28/14 10:55	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:36	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115150	08/18/14 15:15	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.98 g	50 mL	115799	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	115822	08/23/14 11:00	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B75-0.17-2 (1.5)

Lab Sample ID: 180-35818-42

Date Collected: 08/14/14 15:37
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0499 g	5 mL	115669	08/22/14 04:01	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.0499 g	5 mL	115665	08/22/14 09:34	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		10	15.1 g	5.0 mL	116372	08/28/14 13:20	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116355	08/28/14 15:20	DFE	TAL PIT
	Instrument ID: CHGC15									

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

Client Sample ID: SSHS-B75-0.17-2 (1.5) Lab Sample ID: 180-35818-42

Date Collected: 08/14/14 15:37 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116627	08/31/14 13:20	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116625	08/31/14 13:51	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.02 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116412	08/28/14 11:00	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:38	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.03 g	50 mL	115800	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	115822	08/23/14 11:00	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B75-2-6 (3) Lab Sample ID: 180-35818-43

Date Collected: 08/14/14 15:45 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 88.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4683 g	5 mL	115168	08/19/14 04:07	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.4683 g	5 mL	115162	08/19/14 06:13	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116372	08/28/14 13:49	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.2 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20.0 mL	116355	08/28/14 15:36	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.2 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	116627	08/31/14 13:51	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.2 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B75-2-6 (3)

Lab Sample ID: 180-35818-43

Date Collected: 08/14/14 15:45

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	116625	08/31/14 14:23	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.96 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.96 g	100 mL	116412	08/28/14 11:05	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:40	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115099	08/18/14 10:58	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.97 g	50 mL	115799	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.97 g	50 mL	115822	08/23/14 11:00	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B75-6-10 (8)

Lab Sample ID: 180-35818-44

Date Collected: 08/14/14 15:58

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1187 g	5 mL	115538	08/21/14 05:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.1187 g	5 mL	115535	08/21/14 17:08	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116372	08/28/14 15:13	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.3 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.3 g	20.0 mL	116355	08/28/14 17:25	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.3 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116627	08/31/14 15:26	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.3 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116625	08/31/14 15:57	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.98 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.98 g	100 mL	116412	08/28/14 11:40	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:45	LEM	TAL PIT
	Instrument ID:	K								

Client Sample ID: SSHS-B75-6-10 (8)

Lab Sample ID: 180-35818-44

Date Collected: 08/14/14 15:58

Matrix: Solid

Date Received: 08/15/14 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.02 g	50 mL	115800	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	115822	08/23/14 11:08	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B75-10-15 (12.5)

Lab Sample ID: 180-35818-45

Date Collected: 08/14/14 16:11

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2931 g	5 mL	115669	08/22/14 04:01	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.2931 g	5 mL	115665	08/22/14 09:56	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116372	08/28/14 15:41	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/28/14 17:40	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116627	08/31/14 15:57	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116625	08/31/14 16:29	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.11 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.11 g	100 mL	116412	08/28/14 11:45	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:47	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.04 g	50 mL	115800	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	115822	08/23/14 11:08	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Lab Chronicle

Client Sample ID: SSHS-B64-0.17-2 (1)

Lab Sample ID: 180-35818-46

Date Collected: 08/14/14 10:58

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.2954 g	5 mL	115669	08/22/14 04:01	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.2954 g	5 mL	115665	08/22/14 10:18	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116372	08/28/14 16:10	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/28/14 17:56	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116627	08/31/14 16:29	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116625	08/31/14 17:00	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.06 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.06 g	100 mL	116412	08/28/14 11:51	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:49	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.01 g	50 mL	115800	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	115822	08/23/14 11:08	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B64-4-6 (5)

Lab Sample ID: 180-35818-47

Date Collected: 08/14/14 11:06

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3.6121 g	5 mL	115669	08/22/14 04:01	KLG	TAL PIT
Total/NA	Analysis	8260C		1	3.6121 g	5 mL	115665	08/22/14 10:40	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116372	08/28/14 16:38	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.2 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20.0 mL	116355	08/28/14 18:11	DFE	TAL PIT
	Instrument ID: CHGC15									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B64-4-6 (5)

Lab Sample ID: 180-35818-47

Date Collected: 08/14/14 11:06
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	116627	08/31/14 17:00	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.2 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	116625	08/31/14 17:32	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00000.98 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.98 g	100 mL	116412	08/28/14 11:56	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:50	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.99 g	50 mL	115800	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115822	08/23/14 11:08	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B64-6-9 (9)

Lab Sample ID: 180-35818-48

Date Collected: 08/14/14 11:13
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.1958 g	5 mL	115669	08/22/14 04:01	KLG	TAL PIT
Total/NA	Analysis	8260C		1	7.1958 g	5 mL	115665	08/22/14 11:02	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116372	08/28/14 17:06	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/28/14 18:27	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116627	08/31/14 17:32	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B64-6-9 (9)

Lab Sample ID: 180-35818-48

Date Collected: 08/14/14 11:13
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116625	08/31/14 18:03	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.03 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116412	08/28/14 12:01	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:52	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.01 g	50 mL	115800	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	115822	08/23/14 11:08	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B64-10-12 (11)

Lab Sample ID: 180-35818-49

Date Collected: 08/14/14 11:20
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.8963 g	5 mL	115669	08/22/14 04:01	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.8963 g	5 mL	115665	08/22/14 11:24	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116372	08/28/14 17:34	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/28/14 18:42	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116627	08/31/14 18:03	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116625	08/31/14 18:35	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00000.96 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.96 g	100 mL	116412	08/28/14 12:06	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:58	LEM	TAL PIT
	Instrument ID: K									

Lab Chronicle

Client Sample ID: SSHS-B64-10-12 (11)

Lab Sample ID: 180-35818-49

Date Collected: 08/14/14 11:20

Matrix: Solid

Date Received: 08/15/14 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.03 g	50 mL	115800	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	115822	08/23/14 11:08	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B101-0.17-2 (1)

Lab Sample ID: 180-35818-50

Date Collected: 08/14/14 11:37

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.6879 g	5 mL	115669	08/22/14 04:01	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.6879 g	5 mL	115665	08/22/14 11:46	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116372	08/28/14 18:02	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/28/14 18:58	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	20.0 mL	116653	09/02/14 15:06	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	20.0 mL	116655	09/02/14 15:38	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.02 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116412	08/28/14 12:11	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 13:59	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.04 g	50 mL	115800	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	115822	08/23/14 11:08	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B101-3-6 (4)

Lab Sample ID: 180-35818-51

Date Collected: 08/14/14 11:46
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.1905 g	5 mL	115669	08/22/14 04:01	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.1905 g	5 mL	115665	08/22/14 12:08	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116372	08/28/14 18:30	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/28/14 19:13	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116627	08/31/14 19:06	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116625	08/31/14 19:38	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00000.95 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.95 g	100 mL	116412	08/28/14 12:17	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:01	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.99 g	50 mL	115800	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115822	08/23/14 11:15	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B101-8-10 (9)

Lab Sample ID: 180-35818-52

Date Collected: 08/14/14 11:58
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2.9333 g	5 mL	115669	08/22/14 04:01	KLG	TAL PIT
Total/NA	Analysis	8260C		1	2.9333 g	5 mL	115665	08/22/14 12:30	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116372	08/28/14 18:58	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/28/14 19:29	DFE	TAL PIT
	Instrument ID: CHGC15									

Client Sample ID: SSHS-B101-8-10 (9)

Lab Sample ID: 180-35818-52

Date Collected: 08/14/14 11:58
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116627	08/31/14 19:38	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116625	08/31/14 20:09	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.02 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116412	08/28/14 12:22	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:03	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.99 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115970	08/25/14 14:03	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B101-12-15.5R (15)

Lab Sample ID: 180-35818-53

Date Collected: 08/14/14 12:05
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8539 g	5 mL	115669	08/22/14 04:01	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.8539 g	5 mL	115665	08/22/14 12:52	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116372	08/28/14 19:26	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116355	08/28/14 19:44	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116627	08/31/14 21:44	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.1 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B101-12-15.5R (15)

Lab Sample ID: 180-35818-53

Date Collected: 08/14/14 12:05

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116625	08/31/14 22:15	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.17 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.17 g	100 mL	116412	08/28/14 12:37	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:04	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.02 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	115970	08/25/14 14:03	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B26-A-SS

Lab Sample ID: 180-35818-54

Date Collected: 08/14/14 08:22

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 73.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.77 g	5 mL	115842	08/24/14 10:06	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5.77 g	5 mL	115898	08/25/14 16:44	PJJ	TAL PIT
	Instrument ID:	CHHP4								
Total/NA	Prep	3541			15.0 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116372	08/28/14 19:54	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/28/14 20:00	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116627	08/31/14 22:15	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116625	08/31/14 22:47	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.01 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.01 g	100 mL	116412	08/28/14 12:42	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:06	LEM	TAL PIT
	Instrument ID:	K								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B26-A-SS

Lab Sample ID: 180-35818-54

Date Collected: 08/14/14 08:22
Date Received: 08/15/14 09:10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			115099	08/18/14 10:58	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.00 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	115970	08/25/14 14:10	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B26-A-0.17-2 (0.5)

Lab Sample ID: 180-35818-55

Date Collected: 08/14/14 08:27
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.8555 g	5 mL	115669	08/22/14 04:01	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.8555 g	5 mL	115665	08/22/14 13:36	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116372	08/28/14 20:22	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/28/14 20:15	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116627	08/31/14 22:47	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116625	08/31/14 23:18	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.04 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.04 g	100 mL	116412	08/28/14 12:47	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:08	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115099	08/18/14 10:58	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.00 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	115970	08/25/14 14:10	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Lab Chronicle

Client Sample ID: SSHS-B26-A-2-6 (2)

Lab Sample ID: 180-35818-56

Date Collected: 08/14/14 08:35
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.4715 g	5 mL	115669	08/22/14 04:01	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.4715 g	5 mL	115665	08/22/14 13:59	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116372	08/28/14 20:50	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/28/14 20:31	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	20.0 mL	116653	09/02/14 15:38	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	20.0 mL	116655	09/02/14 16:09	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.01 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.01 g	100 mL	116412	08/28/14 12:53	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:10	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115099	08/18/14 10:58	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.99 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115970	08/25/14 14:10	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B26-A-6-8 (7)

Lab Sample ID: 180-35818-57

Date Collected: 08/14/14 08:46
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.3459 g	5 mL	115669	08/22/14 04:01	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.3459 g	5 mL	115665	08/22/14 14:21	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116372	08/28/14 21:18	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.3 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.3 g	20.0 mL	116355	08/28/14 20:46	DFE	TAL PIT
	Instrument ID: CHGC15									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B26-A-6-8 (7)

Lab Sample ID: 180-35818-57

Date Collected: 08/14/14 08:46
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116627	08/31/14 23:49	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.3 g	20.0 mL	116128	08/26/14 22:14	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116291	08/28/14 06:36	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116292	08/28/14 06:39	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116625	09/01/14 00:21	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.11 g	100 mL	115612	08/21/14 13:05	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.11 g	100 mL	116412	08/28/14 12:58	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:11	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115099	08/18/14 10:58	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.97 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.97 g	50 mL	115970	08/25/14 14:10	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B26-A-13.5-15.5 (15)

Lab Sample ID: 180-35818-58

Date Collected: 08/14/14 09:06
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.2498 g	5 mL	115669	08/22/14 04:01	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.2498 g	5 mL	115665	08/22/14 14:43	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116372	08/28/14 21:46	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/29/14 02:44	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116549	08/30/14 05:47	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT

Client Sample ID: SSHS-B26-A-13.5-15.5 (15)
Lab Sample ID: 180-35818-58

Date Collected: 08/14/14 09:06
Date Received: 08/15/14 09:10
Matrix: Solid
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116554	08/30/14 06:18	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00000.97 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.97 g	100 mL	116450	08/28/14 15:22	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:13	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115099	08/18/14 10:58	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.01 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	115970	08/25/14 14:10	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B70-SS
Lab Sample ID: 180-35818-59

Date Collected: 08/14/14 14:52
Date Received: 08/15/14 09:10
Matrix: Solid
Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3063 g	5 mL	115669	08/22/14 04:01	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.3063 g	5 mL	115665	08/22/14 15:05	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116372	08/28/14 22:14	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/29/14 02:59	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116549	08/30/14 06:18	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116554	08/30/14 06:49	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.04 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.04 g	100 mL	116450	08/28/14 15:27	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			00001.04 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.04 g	100 mL	116527	08/29/14 09:47	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B70-SS

Lab Sample ID: 180-35818-59

Date Collected: 08/14/14 14:52
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:18	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115099	08/18/14 10:58	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.00 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	115970	08/25/14 14:10	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B70-0.17-2 (1)

Lab Sample ID: 180-35818-60

Date Collected: 08/14/14 14:54
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.7553 g	5 mL	115779	08/22/14 20:52	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.7553 g	5 mL	115777	08/23/14 01:29	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116222	08/27/14 12:20	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116372	08/28/14 22:42	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116355	08/29/14 03:15	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116549	08/30/14 06:49	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.1 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116554	08/30/14 07:21	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.08 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116450	08/28/14 15:33	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			00001.08 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116527	08/29/14 09:52	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	116179	08/27/14 09:14	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:20	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115099	08/18/14 10:58	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.01 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B70-0.17-2 (1)

Lab Sample ID: 180-35818-60

Date Collected: 08/14/14 14:54

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9014		1	1.01 g	50 mL	115970	08/25/14 14:10	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B70-2-6 (3.5)

Lab Sample ID: 180-35818-61

Date Collected: 08/14/14 15:03

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9746 g	5 mL	115669	08/22/14 04:01	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.9746 g	5 mL	115665	08/22/14 15:50	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116244	08/27/14 14:44	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116405	08/28/14 13:41	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/29/14 03:30	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116549	08/30/14 08:55	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116554	08/30/14 09:26	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.99 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116450	08/28/14 15:38	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:25	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115099	08/18/14 10:58	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.00 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	115970	08/25/14 14:10	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Lab Chronicle

Client Sample ID: SSHS-B70-6-10 (7.5)

Lab Sample ID: 180-35818-62

Date Collected: 08/14/14 15:08
Date Received: 08/15/14 09:10
Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.246 g	5 mL	115716	08/22/14 07:58	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5.246 g	5 mL	115684	08/22/14 19:15	PJJ	TAL PIT
	Instrument ID:	CHHP4								
Total/NA	Prep	3541			15.0 g	5.0 mL	116244	08/27/14 14:44	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116405	08/28/14 14:10	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541	DL		15.0 g	5.0 mL	116244	08/27/14 14:44	BJT	TAL PIT
Total/NA	Analysis	8270D	DL	5	15.0 g	5.0 mL	116523	08/29/14 17:07	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/29/14 04:48	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541	DL		15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Analysis	8081B	DL	5	15.0 g	20.0 mL	116496	08/29/14 14:34	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		50	15.0 g	20.0 mL	116549	08/30/14 20:29	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		50	15.0 g	20.0 mL	116554	08/30/14 21:01	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.02 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116450	08/28/14 15:43	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	3050B			00001.02 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116527	08/29/14 09:57	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:27	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115099	08/18/14 10:58	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.01 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	115970	08/25/14 14:18	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Lab Chronicle

Client Sample ID: SSHS-B70-10-14 (12.5)

Lab Sample ID: 180-35818-63

Date Collected: 08/14/14 15:16
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.4341 g	5 mL	115716	08/22/14 07:58	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	6.4341 g	5 mL	115684	08/22/14 19:45	PJJ	TAL PIT
	Instrument ID:	CHHP4								
Total/NA	Prep	3541			15.0 g	5.0 mL	116244	08/27/14 14:44	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116405	08/28/14 14:39	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/29/14 05:03	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116549	08/30/14 09:58	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116554	08/30/14 10:29	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.04 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.04 g	100 mL	116450	08/28/14 15:48	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:29	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.96 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.96 g	50 mL	115970	08/25/14 14:18	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B80-0.17-2 (1)

Lab Sample ID: 180-35818-64

Date Collected: 08/14/14 13:43
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2623 g	5 mL	115716	08/22/14 07:58	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5.2623 g	5 mL	115684	08/22/14 20:15	PJJ	TAL PIT
	Instrument ID:	CHHP4								
Total/NA	Prep	3541			15.0 g	5.0 mL	116244	08/27/14 14:44	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116405	08/28/14 15:08	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.1 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116355	08/29/14 05:19	DFE	TAL PIT
	Instrument ID:	CHGC15								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35818-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B80-0.17-2 (1)

Lab Sample ID: 180-35818-64

Date Collected: 08/14/14 13:43
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116549	08/30/14 10:29	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116554	08/30/14 11:01	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.09 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.09 g	100 mL	116450	08/28/14 15:54	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	3050B			00001.09 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.09 g	100 mL	116527	08/29/14 10:02	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:31	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.00 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	115970	08/25/14 14:18	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B80-2-6 (5)

Lab Sample ID: 180-35818-65

Date Collected: 08/14/14 13:52
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7486 g	5 mL	115716	08/22/14 07:58	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5.7486 g	5 mL	115684	08/22/14 20:45	PJJ	TAL PIT
	Instrument ID:	CHHP4								
Total/NA	Prep	3541			15.0 g	5.0 mL	116244	08/27/14 14:44	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116405	08/28/14 15:37	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/29/14 05:34	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116549	08/30/14 11:01	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT

Client Sample ID: SSHS-B80-2-6 (5) **Lab Sample ID: 180-35818-65**
Date Collected: 08/14/14 13:52 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116554	08/30/14 11:32	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.13 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.13 g	100 mL	116450	08/28/14 15:59	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:32	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115111	08/18/14 11:57	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.02 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	115970	08/25/14 14:18	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B80-6-10 (8) **Lab Sample ID: 180-35818-66**
Date Collected: 08/14/14 14:00 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 94.1**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4543 g	5 mL	115716	08/22/14 07:58	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5.4543 g	5 mL	115684	08/22/14 21:16	PJJ	TAL PIT
	Instrument ID:	CHHP4								
Total/NA	Prep	3541			15.1 g	5.0 mL	116244	08/27/14 14:44	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116405	08/28/14 16:06	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/29/14 05:50	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116549	08/30/14 11:32	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:04	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116554	08/30/14 12:04	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.02 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116450	08/28/14 16:15	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	3050B			00001.02 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B80-6-10 (8)

Lab Sample ID: 180-35818-66

Date Collected: 08/14/14 14:00

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116527	08/29/14 08:43	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:34	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115155	08/18/14 16:00	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.05 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.05 g	50 mL	115970	08/25/14 14:18	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B80-10-14.5 (12.5)

Lab Sample ID: 180-35818-67

Date Collected: 08/14/14 14:10

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.1822 g	5 mL	115716	08/22/14 07:58	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	7.1822 g	5 mL	115684	08/22/14 16:44	PJJ	TAL PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.0 g	5.0 mL	116244	08/27/14 14:44	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116405	08/28/14 16:35	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:16	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/29/14 06:05	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:16	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116549	08/30/14 12:04	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:16	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116554	08/30/14 12:35	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.07 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.07 g	100 mL	116450	08/28/14 16:20	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			00001.07 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.07 g	100 mL	116527	08/29/14 08:49	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:40	LEM	TAL PIT
	Instrument ID: K									

Lab Chronicle

Client Sample ID: SSHS-B80-10-14.5 (12.5)

Lab Sample ID: 180-35818-67

Date Collected: 08/14/14 14:10
Matrix: Solid
Date Received: 08/15/14 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			115155	08/18/14 16:00	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115970	08/25/14 14:18	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B79-0.17-2 (1)

Lab Sample ID: 180-35818-68

Date Collected: 08/14/14 13:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.6214 g	5 mL	115716	08/22/14 07:58	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	4.6214 g	5 mL	115684	08/22/14 17:15	PJJ	TAL PIT
	Instrument ID:	CHHP4								
Total/NA	Prep	3541			15.1 g	5.0 mL	116244	08/27/14 14:44	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116405	08/28/14 17:04	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.1 g	20.0 mL	116262	08/27/14 16:16	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116355	08/29/14 06:21	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	116262	08/27/14 16:16	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116549	08/30/14 12:35	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	116262	08/27/14 16:16	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116554	08/30/14 13:07	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.99 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116450	08/28/14 16:26	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	3050B			00000.99 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116527	08/29/14 08:54	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:41	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115155	08/18/14 16:00	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115970	08/25/14 14:18	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B79-2-6 (4.5)   Lab Sample ID: 180-35818-69

Date Collected: 08/14/14 13:05   **Matrix: Solid**
Date Received: 08/15/14 09:10   **Percent Solids: 92.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0012 g	5 mL	115346	08/20/14 03:43	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.0012 g	5 mL	115342	08/20/14 05:49	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116244	08/27/14 14:44	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116405	08/28/14 17:33	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:16	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/29/14 06:36	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:16	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116549	08/30/14 13:07	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:16	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116554	08/30/14 13:38	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.06 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.06 g	100 mL	116450	08/28/14 16:31	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	3050B			00001.06 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.06 g	100 mL	116527	08/29/14 09:15	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:43	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115155	08/18/14 16:00	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.03 g	50 mL	115800	08/23/14 09:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	115822	08/23/14 11:15	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B79-6-10 (8)   Lab Sample ID: 180-35818-70

Date Collected: 08/14/14 13:11   **Matrix: Solid**
Date Received: 08/15/14 09:10   **Percent Solids: 90.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5513 g	5 mL	115716	08/22/14 07:58	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5.5513 g	5 mL	115684	08/22/14 17:45	PJJ	TAL PIT
	Instrument ID:	CHHP4								
Total/NA	Prep	3541			15.1 g	5.0 mL	116244	08/27/14 14:44	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116405	08/28/14 18:59	VVP	TAL PIT
	Instrument ID:	CH731								

Client Sample ID: SSHS-B79-6-10 (8)

Lab Sample ID: 180-35818-70

Date Collected: 08/14/14 13:11

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:16	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/29/14 07:23	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:16	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116549	08/30/14 14:42	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:16	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116554	08/30/14 15:14	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00000.98 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.98 g	100 mL	116450	08/28/14 16:57	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			00000.98 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.98 g	100 mL	116527	08/29/14 09:36	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:48	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115155	08/18/14 16:00	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.01 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	115970	08/25/14 14:18	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B79-10-15 (12.5)

Lab Sample ID: 180-35818-71

Date Collected: 08/14/14 13:18

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.6164 g	5 mL	115716	08/22/14 07:58	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	4.6164 g	5 mL	115684	08/22/14 18:15	PJJ	TAL PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.0 g	5.0 mL	116244	08/27/14 14:44	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116405	08/28/14 19:28	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:16	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/29/14 07:39	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:16	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT

Client Sample ID: SSHS-B79-10-15 (12.5)

Lab Sample ID: 180-35818-71

Date Collected: 08/14/14 13:18

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116549	08/30/14 15:14	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:16	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116554	08/30/14 15:45	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.00 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.00 g	100 mL	116450	08/28/14 17:02	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	3050B			00001.00 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.00 g	100 mL	116527	08/29/14 09:41	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:50	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115155	08/18/14 16:00	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	115921	08/25/14 10:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	115970	08/25/14 14:18	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B78-0.17-2 (1.5)

Lab Sample ID: 180-35818-72

Date Collected: 08/14/14 11:50

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.316 g	5 mL	115716	08/22/14 07:58	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5.316 g	5 mL	115684	08/22/14 18:45	PJJ	TAL PIT
	Instrument ID:	CHHP4								
Total/NA	Prep	3541			15.1 g	5.0 mL	116244	08/27/14 14:44	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116405	08/28/14 19:57	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:16	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/29/14 07:54	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:16	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116549	08/30/14 15:45	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:16	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT

Client Sample ID: SSHS-B78-0.17-2 (1.5)

Lab Sample ID: 180-35818-72

Date Collected: 08/14/14 11:50
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116554	08/30/14 16:17	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.08 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116450	08/28/14 17:19	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	3050B			00001.08 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116527	08/29/14 08:11	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:52	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115155	08/18/14 16:00	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.02 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	116257	08/27/14 10:00	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B78-2-6 (3.5)

Lab Sample ID: 180-35818-73

Date Collected: 08/14/14 11:57
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9214 g	5 mL	115874	08/25/14 04:25	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.9214 g	5 mL	115865	08/25/14 08:23	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	116244	08/27/14 14:44	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116405	08/28/14 20:26	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.1 g	20.0 mL	116262	08/27/14 16:59	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116355	08/29/14 08:10	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	116262	08/27/14 16:59	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116549	08/30/14 16:17	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	116262	08/27/14 16:59	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116554	08/30/14 16:48	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.04 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.04 g	100 mL	116450	08/28/14 17:24	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	3050B			00001.04 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B78-2-6 (3.5)

Lab Sample ID: 180-35818-73

Date Collected: 08/14/14 11:57
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	00001.04 g	100 mL	116527	08/29/14 08:17	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:53	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115155	08/18/14 16:00	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.96 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.96 g	50 mL	116257	08/27/14 10:00	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B78-6-10 (8)

Lab Sample ID: 180-35818-74

Date Collected: 08/14/14 12:03
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.263 g	5 mL	115874	08/25/14 04:25	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.263 g	5 mL	115865	08/25/14 08:45	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116244	08/27/14 14:44	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116523	08/29/14 17:36	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:59	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/29/14 08:25	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:59	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116549	08/30/14 16:48	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:59	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116554	08/30/14 17:20	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.05 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.05 g	100 mL	116450	08/28/14 17:29	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	3050B			00001.05 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.05 g	100 mL	116527	08/29/14 08:22	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	3050B			00001.05 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		2	00001.05 g	100 mL	116527	08/29/14 08:38	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B78-6-10 (8)

Lab Sample ID: 180-35818-74

Date Collected: 08/14/14 12:03
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 14:55	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115155	08/18/14 16:00	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.00 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	116257	08/27/14 10:00	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B78-10-15 (12)

Lab Sample ID: 180-35818-75

Date Collected: 08/14/14 12:10
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9618 g	5 mL	115779	08/22/14 20:52	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.9618 g	5 mL	115777	08/23/14 02:12	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116244	08/27/14 14:44	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116405	08/28/14 21:24	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:59	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/29/14 08:41	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:59	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116549	08/30/14 17:20	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:59	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116554	08/30/14 17:52	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.11 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.11 g	100 mL	116450	08/28/14 17:34	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	3050B			00001.11 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.11 g	100 mL	116527	08/29/14 08:27	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	3050B			00001.11 g	100 mL	115613	08/21/14 13:06	SLB	TAL PIT
Total/NA	Analysis	6010C		2	00001.11 g	100 mL	116527	08/29/14 08:33	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 15:01	LEM	TAL PIT
	Instrument ID:	K								

Lab Chronicle

Client Sample ID: SSHS-B78-10-15 (12)

Lab Sample ID: 180-35818-75

Date Collected: 08/14/14 12:10

Matrix: Solid

Date Received: 08/15/14 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			115155	08/18/14 16:00	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.00 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	116257	08/27/14 10:00	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: DUP-12

Lab Sample ID: 180-35818-76

Date Collected: 08/14/14 00:00

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9265 g	5 mL	115779	08/22/14 20:52	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.9265 g	5 mL	115777	08/23/14 04:25	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116244	08/27/14 14:44	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116405	08/28/14 21:53	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:59	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/29/14 08:56	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:59	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116549	08/30/14 17:52	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:59	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116554	08/30/14 18:23	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.07 g	100 mL	115614	08/21/14 13:07	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.07 g	100 mL	116285	08/27/14 14:34	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 15:02	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115155	08/18/14 16:00	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	116257	08/27/14 10:00	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: DUP-13 **Lab Sample ID: 180-35818-77**
Date Collected: 08/14/14 00:00 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 93.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9388 g	5 mL	115779	08/22/14 20:52	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.9388 g	5 mL	115777	08/23/14 04:47	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116244	08/27/14 14:44	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116405	08/28/14 22:22	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:59	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116355	08/29/14 09:12	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:59	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116549	08/30/14 19:58	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116262	08/27/14 16:59	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116366	08/28/14 11:13	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116367	08/28/14 11:15	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116554	08/30/14 20:29	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.03 g	100 mL	115614	08/21/14 13:07	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116285	08/27/14 15:09	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 15:04	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115155	08/18/14 16:00	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.97 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.97 g	50 mL	116257	08/27/14 10:00	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: DUP-14 **Lab Sample ID: 180-35818-78**
Date Collected: 08/14/14 00:00 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.2717 g	5 mL	115779	08/22/14 20:52	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.2717 g	5 mL	115777	08/23/14 05:10	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	116244	08/27/14 14:49	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116405	08/28/14 22:51	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116496	08/29/14 15:20	DFE	TAL PIT
	Instrument ID: CHGC15									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: DUP-14

Lab Sample ID: 180-35818-78

Date Collected: 08/14/14 00:00

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116398	08/28/14 12:51	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116399	08/28/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116403	08/28/14 22:58	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116398	08/28/14 12:51	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116399	08/28/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116401	08/28/14 23:29	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.05 g	100 mL	115614	08/21/14 13:07	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.05 g	100 mL	116285	08/27/14 15:14	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 15:06	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115155	08/18/14 16:00	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.00 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	116257	08/27/14 10:00	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: DUP-15

Lab Sample ID: 180-35818-79

Date Collected: 08/14/14 00:00

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7704 g	5 mL	115779	08/22/14 20:52	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.7704 g	5 mL	115777	08/23/14 02:35	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116244	08/27/14 14:49	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116405	08/28/14 23:20	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.1 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116496	08/29/14 16:07	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116398	08/28/14 12:51	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116399	08/28/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116403	08/29/14 00:32	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116398	08/28/14 12:51	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116399	08/28/14 12:53	DFE	TAL PIT

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: DUP-15

Lab Sample ID: 180-35818-79

Date Collected: 08/14/14 00:00
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116401	08/29/14 01:03	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.99 g	100 mL	115614	08/21/14 13:07	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116285	08/27/14 15:20	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 15:07	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.02 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	116257	08/27/14 10:00	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: DUP-16

Lab Sample ID: 180-35818-80

Date Collected: 08/14/14 00:00
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9546 g	5 mL	115779	08/22/14 20:52	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.9546 g	5 mL	115777	08/23/14 02:56	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116244	08/27/14 14:49	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116405	08/28/14 23:49	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116496	08/29/14 16:22	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116398	08/28/14 12:51	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116399	08/28/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116403	08/29/14 01:03	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116398	08/28/14 12:51	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116399	08/28/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116401	08/29/14 01:35	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.13 g	100 mL	115614	08/21/14 13:07	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.13 g	100 mL	116285	08/27/14 15:25	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116180	08/27/14 09:15	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 15:09	LEM	TAL PIT
	Instrument ID:	K								

Lab Chronicle

Client Sample ID: DUP-16

Lab Sample ID: 180-35818-80

Date Collected: 08/14/14 00:00

Matrix: Solid

Date Received: 08/15/14 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.03 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	116257	08/27/14 10:08	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: DUP-17

Lab Sample ID: 180-35818-81

Date Collected: 08/14/14 00:00

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2.7972 g	5 mL	115779	08/22/14 20:52	KLG	TAL PIT
Total/NA	Analysis	8260C		1	2.7972 g	5 mL	115777	08/23/14 03:19	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116269	08/27/14 17:43	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116444	08/29/14 07:46	SAB	TAL PIT
	Instrument ID:	CH71								
Total/NA	Prep	3541			15.0 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116496	08/29/14 16:38	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116398	08/28/14 12:51	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116399	08/28/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116403	08/29/14 03:09	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116398	08/28/14 12:51	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116399	08/28/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116401	08/29/14 03:40	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.07 g	100 mL	115614	08/21/14 13:07	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.07 g	100 mL	116285	08/27/14 15:30	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116181	08/27/14 09:17	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 15:14	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.00 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	116257	08/27/14 10:08	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: DUP-18
Lab Sample ID: 180-35818-82

Date Collected: 08/14/14 00:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6906 g	5 mL	115779	08/22/14 20:52	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.6906 g	5 mL	115777	08/23/14 03:41	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.2 g	5.0 mL	116269	08/27/14 17:43	CBY	TAL PIT
Total/NA	Analysis	8270D		5	15.2 g	5.0 mL	116444	08/29/14 08:12	SAB	TAL PIT
	Instrument ID:	CH71								
Total/NA	Prep	3541			15.2 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20.0 mL	116496	08/29/14 16:53	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541	DL		15.2 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Analysis	8081B	DL	5	15.2 g	20.0 mL	116644	08/31/14 12:35	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.2 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116398	08/28/14 12:51	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116399	08/28/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		50	15.2 g	20.0 mL	116403	08/29/14 09:57	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.2 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116398	08/28/14 12:51	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116399	08/28/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		50	15.2 g	20.0 mL	116401	08/29/14 10:28	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.07 g	100 mL	115614	08/21/14 13:07	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.07 g	100 mL	116285	08/27/14 15:45	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116181	08/27/14 09:17	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 15:24	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.03 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	116257	08/27/14 10:08	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: DUP-19
Lab Sample ID: 180-35818-83

Date Collected: 08/14/14 00:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.719 g	5 mL	115779	08/22/14 20:52	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.719 g	5 mL	115777	08/23/14 04:03	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116269	08/27/14 17:43	CBY	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116444	08/29/14 08:39	SAB	TAL PIT
	Instrument ID:	CH71								

Lab Chronicle

Client Sample ID: DUP-19

Lab Sample ID: 180-35818-83

Date Collected: 08/14/14 00:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116496	08/29/14 17:09	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.1 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116398	08/28/14 12:51	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116399	08/28/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116403	08/29/14 04:12	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.1 g	20.0 mL	116270	08/27/14 18:10	CBY	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116398	08/28/14 12:51	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116399	08/28/14 12:53	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116401	08/29/14 04:43	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.01 g	100 mL	115614	08/21/14 13:07	SLB	TAL PIT
Total/NA	Analysis	6010C		1	00001.01 g	100 mL	116285	08/27/14 15:50	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			0.61 g	100 mL	116181	08/27/14 09:17	LEM	TAL PIT
Total/NA	Analysis	7471B		1	0.61 g	100 mL	116253	08/27/14 15:25	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115151	08/18/14 15:38	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.00 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	116257	08/27/14 10:08	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B26-A-GW-18-22

Lab Sample ID: 180-35818-84

Date Collected: 08/14/14 09:30
Matrix: Water
Date Received: 08/15/14 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115838	08/24/14 13:52	DLF	TAL PIT
	Instrument ID:	CHHP6								
Total/NA	Prep	3520C			1040 mL	1.0 mL	115091	08/18/14 10:33	BJT	TAL PIT
Total/NA	Analysis	8270D LL		1	1040 mL	1.0 mL	115542	08/21/14 14:01	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Analysis	8015D		1	5 mL	5 mL	143606	08/20/14 13:27	KMG	TAL CAN
	Instrument ID:	AFID								
Total/NA	Prep	3520C			1020 mL	5 mL	143586	08/20/14 07:51	CS	TAL CAN
Total/NA	Analysis	8015D		100	1020 mL	5 mL	143747	08/21/14 16:42	DEB	TAL CAN
	Instrument ID:	A2HP6F								

Lab Chronicle

Client Sample ID: 20140814-EQUIPMENT BLANK- SOIL

Lab Sample ID: 180-35818-85

Date Collected: 08/14/14 17:55

Matrix: Water

Date Received: 08/15/14 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115910	08/25/14 17:05	DLF	TAL PIT
	Instrument ID: CHHP6									
Total/NA	Prep	3520C			270 mL	0.25 mL	115557	08/21/14 08:25	BJT	TAL PIT
Total/NA	Analysis	8270D LL		1	270 mL	0.25 mL	115899	08/25/14 20:31	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3510C			980 mL	1.0 mL	115137	08/18/14 14:32	JPM	TAL PIT
Total/NA	Analysis	8081B_LL		1	980 mL	1.0 mL	115424	08/20/14 14:54	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3510C			980 mL	1.0 mL	115137	08/18/14 14:32	JPM	TAL PIT
Total/NA	Analysis	8082A		1	980 mL	1.0 mL	115456	08/21/14 01:25	AKG	TAL PIT
	Instrument ID: CHGC10									
Total Recoverable	Prep	3005A			50 mL	50 mL	115230	08/19/14 10:06	SLB	TAL PIT
Total Recoverable	Analysis	6010C		1	50 mL	50 mL	116140	08/26/14 15:33	RJR	TAL PIT
	Instrument ID: Q									
Total Recoverable	Prep	3005A			50 mL	50 mL	115230	08/19/14 10:06	SLB	TAL PIT
Total Recoverable	Analysis	6010C		1	50 mL	50 mL	116283	08/27/14 16:22	RJR	TAL PIT
	Instrument ID: Q									
Total/NA	Prep	7470A			50 mL	50 mL	115423	08/20/14 10:20	LEM	TAL PIT
Total/NA	Analysis	7470A		1	50 mL	50 mL	115556	08/20/14 15:03	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Prep	9010C			50 mL	50 mL	116219	08/27/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	50 mL	50 mL	116257	08/27/14 13:54	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: TRIP BLANK

Lab Sample ID: 180-35818-86

Date Collected: 08/14/14 00:00

Matrix: Water

Date Received: 08/15/14 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115838	08/24/14 13:28	DLF	TAL PIT
	Instrument ID: CHHP6									

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL CAN

- Batch Type: Prep
  - CS = Caitlin Scott
- Batch Type: Analysis
  - DEB = Deborah Bolgrin
  - KMG = Katie Grant

Lab: TAL PIT

- Batch Type: Cleanup
  - DFE = David Eppinger
  - JMO = John Oravec
- Batch Type: Prep
  - BJT = Bill Trout
  - CBY = Charles Yushinski
  - JPM = Jeremy Merriman
  - KLG = Kathy Gordon
  - LEM = Lauren McGrath
  - PGJ = Paul Johnson
  - PJJ = Patrick Journet
  - SLB = Sandy Becker
- Batch Type: Analysis
  - AJB = Amanda Brunick
  - AKG = Ashok Gupta
  - DFE = David Eppinger
  - DLF = Donald Ferguson
  - KLG = Kathy Gordon
  - LEM = Lauren McGrath
  - PGJ = Paul Johnson
  - PJJ = Patrick Journet
  - RJG = Rob Good
  - RJR = Ron Rosenbaum
  - SAB = Sharon Bacha
  - VVP = Vincent Piccolino

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35818-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B75-SS
Lab Sample ID: 180-35818-41

Date Collected: 08/14/14 15:32
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 78.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	6.5	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Benzene	ND		6.5	0.88	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Bromoform	ND		6.5	0.58	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Bromomethane	ND		6.5	0.96	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
2-Butanone (MEK)	ND		6.5	1.1	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Carbon disulfide	ND		6.5	0.67	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Carbon tetrachloride	ND		6.5	0.58	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Chlorobenzene	ND		6.5	0.99	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Chlorobromomethane	ND		6.5	0.90	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Chlorodibromomethane	ND		6.5	0.92	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Chloroethane	ND		6.5	2.0	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Chloroform	ND		6.5	0.76	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Chloromethane	ND		6.5	1.1	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
cis-1,2-Dichloroethene	ND		6.5	0.92	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
cis-1,3-Dichloropropene	ND		6.5	0.88	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Cyclohexane	ND		6.5	0.48	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
1,2-Dibromo-3-Chloropropane	ND		6.5	0.97	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
1,2-Dibromoethane	ND		6.5	1.1	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
1,2-Dichlorobenzene	ND		6.5	1.0	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
1,3-Dichlorobenzene	ND		6.5	0.85	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
1,4-Dichlorobenzene	ND		6.5	0.83	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Dichlorobromomethane	ND		6.5	0.73	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Dichlorodifluoromethane	ND		6.5	0.87	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
1,1-Dichloroethane	ND		6.5	0.75	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
1,2-Dichloroethane	ND		6.5	0.80	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
1,1-Dichloroethene	ND		6.5	1.1	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
1,2-Dichloropropane	ND		6.5	0.71	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
1,4-Dioxane	ND		1300	360	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Ethylbenzene	ND		6.5	0.84	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
2-Hexanone	ND		6.5	0.90	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Isopropylbenzene	ND		6.5	0.88	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Methyl acetate	ND		6.5	1.2	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Methylcyclohexane	ND		6.5	0.94	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Methylene Chloride	ND		6.5	0.88	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
4-Methyl-2-pentanone (MIBK)	ND		6.5	0.85	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Methyl tert-butyl ether	ND		6.5	0.97	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
m-Xylene & p-Xylene	ND		13	1.9	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
o-Xylene	ND		6.5	1.0	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Styrene	ND		6.5	0.92	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
1,1,2,2-Tetrachloroethane	ND		6.5	0.94	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Tetrachloroethene	ND		6.5	0.89	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Toluene	ND		6.5	0.95	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
trans-1,2-Dichloroethene	ND		6.5	0.78	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
trans-1,3-Dichloropropene	ND		6.5	0.78	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
1,2,3-Trichlorobenzene	ND		6.5	1.1	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
1,2,4-Trichlorobenzene	ND		6.5	1.1	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
1,1,1-Trichloroethane	ND		6.5	0.63	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
1,1,2-Trichloroethane	ND		6.5	1.1	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Trichloroethene	ND		6.5	0.86	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1

Client Sample ID: SSHS-B75-SS

Lab Sample ID: 180-35818-41
Date Collected: 08/14/14 15:32
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 78.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		6.5	1.2	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.5	1.4	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1
Vinyl chloride	ND		6.5	0.61	ug/Kg	☼	08/21/14 05:34	08/21/14 16:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/21/14 05:34*	*08/21/14 16:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*	*08/21/14 05:34*	*08/21/14 16:24*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/21/14 05:34*	*08/21/14 16:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*	*08/21/14 05:34*	*08/21/14 16:24*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/21/14 05:34*	*08/21/14 16:24*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		86	8.2	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Acenaphthylene	ND		86	9.8	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Acetophenone	ND		420	35	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Anthracene	ND		86	8.3	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Atrazine	ND		420	42	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Benzaldehyde	ND		420	64	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Benzo[a]anthracene	**37**	**J**	86	11	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Benzo[a]pyrene	**43**	**J**	86	8.5	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Benzo[b]fluoranthene	**54**	**J**	86	13	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Benzo[g,h,i]perylene	**35**	**J**	86	8.5	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Benzo[k]fluoranthene	**25**	**J**	86	17	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
1,1'-Biphenyl	ND		420	38	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Bis(2-chloroethoxy)methane	ND		420	28	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Bis(2-chloroethyl)ether	ND		86	11	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Bis(2-ethylhexyl) phthalate	**90**	**J**	860	69	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
4-Bromophenyl phenyl ether	ND		420	37	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Butyl benzyl phthalate	ND		420	58	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Caprolactam	ND		2200	320	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Carbazole	ND		86	7.9	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
4-Chloroaniline	ND		420	34	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
4-Chloro-3-methylphenol	ND		420	39	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
2-Chloronaphthalene	ND		86	8.9	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
2-Chlorophenol	ND		420	35	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
4-Chlorophenyl phenyl ether	ND		420	47	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Chrysene	**45**	**J**	86	10	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Dibenz(a,h)anthracene	ND		86	9.5	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Dibenzofuran	ND		420	42	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
3,3'-Dichlorobenzidine	ND		420	45	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
2,4-Dichlorophenol	ND		86	8.6	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Diethyl phthalate	ND		420	47	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
2,4-Dimethylphenol	ND		420	67	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Dimethyl phthalate	ND		420	46	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Di-n-butyl phthalate	ND		420	53	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
4,6-Dinitro-2-methylphenol	ND		2200	170	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
2,4-Dinitrophenol	ND		2200	510	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1

Client Sample ID: SSHS-B75-SS
Lab Sample ID: 180-35818-41
Date Collected: 08/14/14 15:32
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 78.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		420	34	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
2,6-Dinitrotoluene	ND		420	44	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Di-n-octyl phthalate	ND		420	45	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
1,4-Dioxane	ND		860	49	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Fluoranthene	**76**	**J**	86	9.1	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Fluorene	ND		86	11	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Hexachlorobenzene	ND		86	9.1	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Hexachlorobutadiene	ND		86	9.5	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Hexachlorocyclopentadiene	ND		420	46	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Hexachloroethane	ND		420	31	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Indeno[1,2,3-cd]pyrene	**29**	**J**	86	8.8	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Isophorone	ND		420	32	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
2-Methylnaphthalene	ND		86	7.7	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
2-Methylphenol	ND		420	30	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Methylphenol, 3 & 4	ND		420	42	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Naphthalene	ND		86	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
2-Nitroaniline	ND		2200	190	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
3-Nitroaniline	ND		2200	180	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
4-Nitroaniline	ND		2200	170	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Nitrobenzene	ND		860	36	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
2-Nitrophenol	ND		420	47	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
4-Nitrophenol	ND		2200	160	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
N-Nitrosodi-n-propylamine	ND		86	10	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
N-Nitrosodiphenylamine	ND		420	39	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
2,2'-oxybis[1-chloropropane]	ND		86	9.2	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Pentachlorophenol	ND		420	38	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Phenanthrene	**29**	**J**	86	14	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Phenol	ND		86	10	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
Pyrene	**58**	**J**	86	8.6	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
1,2,4,5-Tetrachlorobenzene	ND		420	32	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
2,3,4,6-Tetrachlorophenol	ND		420	27	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
2,4,5-Trichlorophenol	ND		420	46	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1
2,4,6-Trichlorophenol	ND		420	64	ug/Kg	☼	08/27/14 12:20	08/28/14 12:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*280*	*T J*	*ug/Kg*	☼	*11.89*		*08/27/14 12:20*	*08/28/14 12:52*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*12.70*		*08/27/14 12:20*	*08/28/14 12:52*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*16.07*		*08/27/14 12:20*	*08/28/14 12:52*	*1*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*16.22*		*08/27/14 12:20*	*08/28/14 12:52*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*16.63*		*08/27/14 12:20*	*08/28/14 12:52*	*1*
Unknown	*430*	*T J*	*ug/Kg*	☼	*16.67*		*08/27/14 12:20*	*08/28/14 12:52*	*1*
Unknown	*690*	*T J*	*ug/Kg*	☼	*17.70*		*08/27/14 12:20*	*08/28/14 12:52*	*1*
Unknown Straight Chain Alkane	*810*	*T J*	*ug/Kg*	☼	*18.09*		*08/27/14 12:20*	*08/28/14 12:52*	*1*
Unknown	*990*	*T J*	*ug/Kg*	☼	*19.24*		*08/27/14 12:20*	*08/28/14 12:52*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*19.65*		*08/27/14 12:20*	*08/28/14 12:52*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*19.74*		*08/27/14 12:20*	*08/28/14 12:52*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*20.32*		*08/27/14 12:20*	*08/28/14 12:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*35 - 105*	*08/27/14 12:20*	*08/28/14 12:52*	*1*

Client Sample ID: SSHS-B75-SS **Lab Sample ID: 180-35818-41**

Date Collected: 08/14/14 15:32 **Matrix: Solid**

Date Received: 08/15/14 09:10 **Percent Solids: 78.2**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*55*		*39 - 103*	*08/27/14 12:20*	*08/28/14 12:52*	*1*
Nitrobenzene-d5 (Surr)	*62*		*25 - 104*	*08/27/14 12:20*	*08/28/14 12:52*	*1*
Phenol-d5 (Surr)	*59*		*25 - 105*	*08/27/14 12:20*	*08/28/14 12:52*	*1*
Terphenyl-d14 (Surr)	*63*		*25 - 127*	*08/27/14 12:20*	*08/28/14 12:52*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*35 - 124*	*08/27/14 12:20*	*08/28/14 12:52*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.2	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
alpha-BHC	ND		2.2	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
alpha-Chlordane	ND		2.2	0.42	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
beta-BHC	ND		2.2	0.55	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
4,4'-DDD	ND		2.2	0.28	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
4,4'-DDE	ND		2.2	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
4,4'-DDT	ND		2.2	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
delta-BHC	ND		2.2	0.33	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
Dieldrin	ND		2.2	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
Endosulfan I	ND		2.2	0.40	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
Endosulfan II	ND		2.2	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
Endosulfan sulfate	ND		2.2	0.22	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
Endrin	**0.76**	**J**	2.2	0.41	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
Endrin aldehyde	ND		2.2	0.41	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
Endrin ketone	ND		2.2	0.33	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
gamma-BHC (Lindane)	ND		2.2	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
gamma-Chlordane	ND		2.2	0.42	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
Heptachlor	ND		2.2	0.47	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
Heptachlor epoxide	ND		2.2	0.42	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
Methoxychlor	ND		4.2	0.44	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1
Toxaphene	ND		86	14	ug/Kg	☼	08/26/14 22:14	08/28/14 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/26/14 22:14*	*08/28/14 15:05*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/26/14 22:14*	*08/28/14 15:05*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/26/14 22:14*	*08/28/14 15:05*	*1*
Tetrachloro-m-xylene	*79*		*45 - 130*	*08/26/14 22:14*	*08/28/14 15:05*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	3.2	ug/Kg	☼	08/26/14 22:14	08/31/14 12:48	1
PCB-1221	ND		21	4.1	ug/Kg	☼	08/26/14 22:14	08/31/14 12:48	1
PCB-1232	ND		21	3.6	ug/Kg	☼	08/26/14 22:14	08/31/14 12:48	1
PCB-1242	ND		21	3.5	ug/Kg	☼	08/26/14 22:14	08/31/14 12:48	1
PCB-1248	ND		21	2.0	ug/Kg	☼	08/26/14 22:14	08/31/14 12:48	1
PCB-1254	ND		21	3.0	ug/Kg	☼	08/26/14 22:14	08/31/14 12:48	1
PCB-1260	ND		21	3.0	ug/Kg	☼	08/26/14 22:14	08/31/14 12:48	1
PCB-1262	ND		21	4.7	ug/Kg	☼	08/26/14 22:14	08/31/14 12:48	1
PCB-1268	ND		21	2.7	ug/Kg	☼	08/26/14 22:14	08/31/14 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 125*	*08/26/14 22:14*	*08/31/14 12:48*	*1*

Client Sample ID: SSHS-B75-SS

Lab Sample ID: 180-35818-41

Date Collected: 08/14/14 15:32

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 78.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 125*	*08/26/14 22:14*	*08/31/14 13:20*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*	*08/26/14 22:14*	*08/31/14 12:48*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*	*08/26/14 22:14*	*08/31/14 13:20*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		27	2.8	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Antimony	ND		1.3	0.27	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Arsenic	**8.4**		1.3	0.41	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Barium	**110**		27	0.017	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Beryllium	**0.56**		0.53	0.015	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Cadmium	**0.13**	**J**	0.67	0.019	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Calcium	**3900**		670	2.0	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Chromium	**17**		0.67	0.10	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Cobalt	**9.5**		6.7	0.056	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Copper	**16**		3.3	0.19	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Iron	**21000**		13	1.2	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Lead	**16**		1.3	0.14	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Magnesium	**3400**		670	2.8	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Manganese	**550**		2.0	0.12	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Nickel	**21**		5.3	0.063	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Potassium	**880**		670	8.5	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Selenium	ND		1.3	0.36	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Silver	ND		0.67	0.054	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Sodium	**27**	**J**	670	1.4	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Thallium	ND		2.7	0.20	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Vanadium	**15**		6.7	0.23	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1
Zinc	**69**	**B**	2.7	0.14	mg/Kg	☼	08/21/14 13:05	08/28/14 10:55	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.041**	**J**	0.042	0.014	mg/Kg	☼	08/27/14 09:14	08/27/14 13:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**22**		0.10	0.10	%			08/18/14 15:15	1
Percent Solids	**78**		0.10	0.10	%			08/18/14 15:15	1
Cyanide, Total	**0.24**	**J**	0.65	0.19	mg/Kg	☼	08/23/14 09:00	08/23/14 11:00	1

Client Sample ID: SSHS-B75-0.17-2 (1.5)

Lab Sample ID: 180-35818-42

Date Collected: 08/14/14 15:37

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 90.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	5.5	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Benzene	ND		5.5	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Bromoform	ND		5.5	0.49	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Bromomethane	ND		5.5	0.81	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
2-Butanone (MEK)	ND		5.5	0.97	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B75-0.17-2 (1.5)
Date Collected: 08/14/14 15:37
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-42
Matrix: Solid
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.5	0.56	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Carbon tetrachloride	ND		5.5	0.49	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Chlorobenzene	ND		5.5	0.83	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Chlorobromomethane	ND		5.5	0.76	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Chlorodibromomethane	ND		5.5	0.78	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Chloroethane	ND		5.5	1.7	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Chloroform	ND		5.5	0.64	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Chloromethane	ND		5.5	0.94	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
cis-1,2-Dichloroethene	ND		5.5	0.77	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
cis-1,3-Dichloropropene	ND		5.5	0.75	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Cyclohexane	ND		5.5	0.41	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
1,2-Dibromo-3-Chloropropane	ND		5.5	0.82	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
1,2-Dibromoethane	ND		5.5	0.95	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
1,2-Dichlorobenzene	ND		5.5	0.88	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
1,3-Dichlorobenzene	ND		5.5	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
1,4-Dichlorobenzene	ND		5.5	0.70	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Dichlorobromomethane	ND		5.5	0.62	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Dichlorodifluoromethane	ND		5.5	0.73	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
1,1-Dichloroethane	ND		5.5	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
1,2-Dichloroethane	ND		5.5	0.67	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
1,1-Dichloroethene	ND		5.5	0.93	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
1,2-Dichloropropane	ND		5.5	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
1,4-Dioxane	ND		1100	300	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Ethylbenzene	ND		5.5	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
2-Hexanone	ND		5.5	0.76	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Isopropylbenzene	ND		5.5	0.75	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Methyl acetate	ND		5.5	0.99	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Methylcyclohexane	ND		5.5	0.80	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Methylene Chloride	ND		5.5	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Methyl tert-butyl ether	ND		5.5	0.82	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
o-Xylene	ND		5.5	0.86	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Styrene	ND		5.5	0.78	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
1,1,2,2-Tetrachloroethane	ND		5.5	0.79	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Tetrachloroethene	ND		5.5	0.75	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Toluene	ND		5.5	0.80	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
trans-1,2-Dichloroethene	ND		5.5	0.66	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
trans-1,3-Dichloropropene	ND		5.5	0.66	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
1,2,3-Trichlorobenzene	ND		5.5	0.93	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
1,2,4-Trichlorobenzene	ND		5.5	0.97	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
1,1,1-Trichloroethane	ND		5.5	0.54	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
1,1,2-Trichloroethane	ND		5.5	0.91	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Trichloroethene	ND		5.5	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Trichlorofluoromethane	ND		5.5	1.0	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1
Vinyl chloride	ND		5.5	0.52	ug/Kg	☼	08/22/14 04:01	08/22/14 09:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 04:01*	*08/22/14 09:34*	*1*

Client Sample ID: SSHS-B75-0.17-2 (1.5)
Date Collected: 08/14/14 15:37
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-42
Matrix: Solid
Percent Solids: 90.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*63 - 120*	*08/22/14 04:01*	*08/22/14 09:34*	*1*
Dibromofluoromethane (Surr)	*111*		*68 - 121*	*08/22/14 04:01*	*08/22/14 09:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*52 - 124*	*08/22/14 04:01*	*08/22/14 09:34*	*1*
Toluene-d8 (Surr)	*113*		*72 - 127*	*08/22/14 04:01*	*08/22/14 09:34*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		740	71	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Acenaphthylene	**580**	**J**	740	84	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Acetophenone	ND		3600	300	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Anthracene	**260**	**J**	740	72	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Atrazine	ND		3600	360	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Benzaldehyde	ND		3600	550	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Benzo[a]anthracene	**810**		740	92	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Benzo[a]pyrene	**890**		740	74	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Benzo[b]fluoranthene	**1100**		740	120	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Benzo[g,h,i]perylene	**760**		740	73	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Benzo[k]fluoranthene	**360**	**J**	740	150	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
1,1'-Biphenyl	ND		3600	330	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Bis(2-chloroethoxy)methane	ND		3600	240	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Bis(2-chloroethyl)ether	ND		740	99	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Bis(2-ethylhexyl) phthalate	ND		7400	600	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
4-Bromophenyl phenyl ether	ND		3600	320	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Butyl benzyl phthalate	ND		3600	500	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Caprolactam	ND		19000	2800	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Carbazole	ND		740	68	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
4-Chloroaniline	ND		3600	290	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
4-Chloro-3-methylphenol	ND		3600	340	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
2-Chloronaphthalene	ND		740	77	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
2-Chlorophenol	ND		3600	300	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
4-Chlorophenyl phenyl ether	ND		3600	410	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Chrysene	**880**		740	88	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Dibenz(a,h)anthracene	**200**	**J**	740	82	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Dibenzofuran	ND		3600	360	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
3,3'-Dichlorobenzidine	ND		3600	390	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
2,4-Dichlorophenol	ND		740	74	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Diethyl phthalate	ND		3600	400	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
2,4-Dimethylphenol	ND		3600	580	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Dimethyl phthalate	ND		3600	400	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Di-n-butyl phthalate	ND		3600	460	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
4,6-Dinitro-2-methylphenol	ND		19000	1500	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
2,4-Dinitrophenol	ND		19000	4400	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
2,4-Dinitrotoluene	ND		3600	300	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
2,6-Dinitrotoluene	ND		3600	380	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Di-n-octyl phthalate	ND		3600	390	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
1,4-Dioxane	ND		7400	420	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Fluoranthene	**1000**		740	79	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Fluorene	ND		740	97	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Hexachlorobenzene	ND		740	78	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Hexachlorobutadiene	ND		740	82	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10

Client Sample ID: SSHS-B75-0.17-2 (1.5) Lab Sample ID: 180-35818-42

Date Collected: 08/14/14 15:37 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.0**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		3600	400	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Hexachloroethane	ND		3600	260	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Indeno[1,2,3-cd]pyrene	**600**	**J**	740	76	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Isophorone	ND		3600	280	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
2-Methylnaphthalene	**170**	**J**	740	66	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
2-Methylphenol	ND		3600	260	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Methylphenol, 3 & 4	ND		3600	360	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Naphthalene	**260**	**J**	740	63	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
2-Nitroaniline	ND		19000	1600	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
3-Nitroaniline	ND		19000	1500	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
4-Nitroaniline	ND		19000	1500	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Nitrobenzene	ND		7400	310	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
2-Nitrophenol	ND		3600	410	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
4-Nitrophenol	ND		19000	1300	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
N-Nitrosodi-n-propylamine	ND		740	86	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
N-Nitrosodiphenylamine	ND		3600	340	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
2,2'-oxybis[1-chloropropane]	ND		740	79	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Pentachlorophenol	ND		3600	330	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Phenanthrene	**520**	**J**	740	120	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Phenol	ND		740	87	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
Pyrene	**1000**		740	74	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
1,2,4,5-Tetrachlorobenzene	ND		3600	280	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
2,3,4,6-Tetrachlorophenol	ND		3600	240	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
2,4,5-Trichlorophenol	ND		3600	390	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10
2,4,6-Trichlorophenol	ND		3600	550	ug/Kg	☼	08/27/14 12:20	08/28/14 13:20	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/27/14 12:20*	*08/28/14 13:20*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*35 - 105*	*08/27/14 12:20*	*08/28/14 13:20*	*10*
2-Fluorophenol (Surr)	*67*		*39 - 103*	*08/27/14 12:20*	*08/28/14 13:20*	*10*
Nitrobenzene-d5 (Surr)	*72*		*25 - 104*	*08/27/14 12:20*	*08/28/14 13:20*	*10*
Phenol-d5 (Surr)	*71*		*25 - 105*	*08/27/14 12:20*	*08/28/14 13:20*	*10*
Terphenyl-d14 (Surr)	*74*		*25 - 127*	*08/27/14 12:20*	*08/28/14 13:20*	*10*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 124*	*08/27/14 12:20*	*08/28/14 13:20*	*10*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
alpha-Chlordane	**3.6**	**p**	1.9	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
beta-BHC	**1.2**	**J p**	1.9	0.48	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
4,4'-DDD	**2.2**	**p**	1.9	0.24	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
4,4'-DDE	**3.2**	**p**	1.9	0.28	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
4,4'-DDT	**15**	**p**	1.9	0.28	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
Endosulfan I	**4.6**		1.9	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
Endosulfan II	**1.4**	**J p**	1.9	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1

Client Sample Results

Client Sample ID: SSHS-B75-0.17-2 (1.5)
Date Collected: 08/14/14 15:37
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-42
Matrix: Solid
Percent Solids: 90.0

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	**7.2**		1.9	0.19	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
Endrin	**21**	**p**	1.9	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
Endrin aldehyde	**1.5**	**J p**	1.9	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
Endrin ketone	**7.1**	**p**	1.9	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
gamma-BHC (Lindane)	**0.41**	**J p**	1.9	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
gamma-Chlordane	**40**	**p**	1.9	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
Heptachlor epoxide	**42**	**p**	1.9	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
Methoxychlor	**21**	**p**	3.6	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1
Toxaphene	ND		74	12	ug/Kg	☼	08/26/14 22:14	08/28/14 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*	*08/26/14 22:14*	*08/28/14 15:20*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 130*	*08/26/14 22:14*	*08/28/14 15:20*	*1*
Tetrachloro-m-xylene	*82*		*45 - 130*	*08/26/14 22:14*	*08/28/14 15:20*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/26/14 22:14*	*08/28/14 15:20*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/26/14 22:14	08/31/14 13:20	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/26/14 22:14	08/31/14 13:20	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/26/14 22:14	08/31/14 13:20	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/26/14 22:14	08/31/14 13:20	1
PCB-1248	**3700**		18	1.7	ug/Kg	☼	08/26/14 22:14	08/31/14 13:20	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/26/14 22:14	08/31/14 13:20	1
PCB-1260	**370**		18	2.6	ug/Kg	☼	08/26/14 22:14	08/31/14 13:20	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/26/14 22:14	08/31/14 13:20	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/26/14 22:14	08/31/14 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*	*08/26/14 22:14*	*08/31/14 13:20*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 125*	*08/26/14 22:14*	*08/31/14 13:51*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*	*08/26/14 22:14*	*08/31/14 13:20*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*45 - 135*	*08/26/14 22:14*	*08/31/14 13:51*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6900**		22	2.3	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Arsenic	**9.1**		1.1	0.33	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Barium	**92**		22	0.014	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Beryllium	**0.37**	**J**	0.44	0.012	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Cadmium	**0.15**	**J**	0.54	0.016	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Calcium	**22000**		540	1.6	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Chromium	**9.6**		0.54	0.084	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Cobalt	**6.7**		5.4	0.046	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Copper	**35**		2.7	0.16	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Iron	**16000**		11	0.97	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Lead	**46**		1.1	0.11	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Magnesium	**4800**		540	2.2	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1

Client Sample ID: SSHS-B75-0.17-2 (1.5)

Lab Sample ID: 180-35818-42

Date Collected: 08/14/14 15:37

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 90.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**540**		1.6	0.097	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Nickel	**18**		4.4	0.052	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Potassium	**610**		540	7.0	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Selenium	**0.68**	**J**	1.1	0.29	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Silver	ND		0.54	0.044	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Sodium	**58**	**J**	540	1.2	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Vanadium	**15**		5.4	0.19	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1
Zinc	**79**	**B**	2.2	0.11	mg/Kg	☼	08/21/14 13:05	08/28/14 11:00	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.65**		0.036	0.012	mg/Kg	☼	08/27/14 09:14	08/27/14 13:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**90**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/23/14 09:00	08/23/14 11:00	1

Client Sample ID: SSHS-B75-2-6 (3)

Lab Sample ID: 180-35818-43

Date Collected: 08/14/14 15:45

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 88.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	5.2	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Benzene	ND		5.2	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Bromoform	ND		5.2	0.46	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Bromomethane	ND		5.2	0.76	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
2-Butanone (MEK)	ND		5.2	0.91	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Carbon disulfide	ND		5.2	0.53	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Carbon tetrachloride	ND		5.2	0.46	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Chlorobenzene	ND		5.2	0.78	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Chlorobromomethane	ND		5.2	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Chlorodibromomethane	ND		5.2	0.73	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Chloroethane	ND		5.2	1.6	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Chloroform	ND		5.2	0.61	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Chloromethane	ND		5.2	0.88	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
cis-1,2-Dichloroethene	ND		5.2	0.73	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
cis-1,3-Dichloropropene	ND		5.2	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Cyclohexane	ND		5.2	0.38	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
1,2-Dibromo-3-Chloropropane	ND		5.2	0.77	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
1,2-Dibromoethane	ND		5.2	0.89	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
1,2-Dichlorobenzene	ND		5.2	0.83	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
1,3-Dichlorobenzene	ND		5.2	0.68	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
1,4-Dichlorobenzene	ND		5.2	0.66	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Dichlorobromomethane	ND		5.2	0.58	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Dichlorodifluoromethane	ND		5.2	0.69	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
1,1-Dichloroethane	ND		5.2	0.60	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1

Client Sample ID: SSHS-B75-2-6 (3) **Lab Sample ID: 180-35818-43**
Date Collected: 08/14/14 15:45 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 88.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		5.2	0.63	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
1,1-Dichloroethene	ND		5.2	0.88	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
1,2-Dichloropropane	ND		5.2	0.56	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
1,4-Dioxane	ND		1000	290	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Ethylbenzene	ND		5.2	0.66	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
2-Hexanone	ND		5.2	0.71	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Isopropylbenzene	ND		5.2	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Methyl acetate	ND		5.2	0.93	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Methylcyclohexane	ND		5.2	0.75	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Methylene Chloride	ND		5.2	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	0.68	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Methyl tert-butyl ether	ND		5.2	0.77	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
o-Xylene	ND		5.2	0.81	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Styrene	ND		5.2	0.73	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
1,1,2,2-Tetrachloroethane	ND		5.2	0.74	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Tetrachloroethene	ND		5.2	0.70	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Toluene	ND		5.2	0.75	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
trans-1,2-Dichloroethene	ND		5.2	0.62	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
trans-1,3-Dichloropropene	ND		5.2	0.62	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
1,2,3-Trichlorobenzene	ND		5.2	0.87	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
1,2,4-Trichlorobenzene	ND		5.2	0.91	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
1,1,1-Trichloroethane	ND		5.2	0.50	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
1,1,2-Trichloroethane	ND		5.2	0.86	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Trichloroethene	ND		5.2	0.68	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Trichlorofluoromethane	ND		5.2	0.95	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.1	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1
Vinyl chloride	ND		5.2	0.49	ug/Kg	☼	08/19/14 04:07	08/19/14 06:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/19/14 04:07*	*08/19/14 06:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*63 - 120*	*08/19/14 04:07*	*08/19/14 06:13*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*08/19/14 04:07*	*08/19/14 06:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*52 - 124*	*08/19/14 04:07*	*08/19/14 06:13*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/19/14 04:07*	*08/19/14 06:13*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	7.3	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Acenaphthylene	**20**	**J**	76	8.6	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Acetophenone	ND		370	31	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Anthracene	**12**	**J**	76	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Atrazine	ND		370	37	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Benzaldehyde	ND		370	57	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Benzo[a]anthracene	**36**	**J**	76	9.5	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Benzo[a]pyrene	**34**	**J**	76	7.6	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Benzo[b]fluoranthene	**43**	**J**	76	12	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Benzo[g,h,i]perylene	ND		76	7.5	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1

Client Sample ID: SSHS-B75-2-6 (3) **Lab Sample ID: 180-35818-43**
Date Collected: 08/14/14 15:45 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 88.4**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	**16**	**J**	76	15	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
1,1'-Biphenyl	ND		370	34	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Bis(2-chloroethyl)ether	ND		76	10	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Bis(2-ethylhexyl) phthalate	ND		760	61	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
4-Bromophenyl phenyl ether	ND		370	33	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Butyl benzyl phthalate	ND		370	52	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Carbazole	ND		76	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
4-Chloro-3-methylphenol	ND		370	35	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
2-Chloronaphthalene	ND		76	7.9	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
4-Chlorophenyl phenyl ether	ND		370	42	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Chrysene	**36**	**J**	76	9.0	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Dibenz(a,h)anthracene	ND		76	8.4	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
3,3'-Dichlorobenzidine	ND		370	40	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
2,4-Dichlorophenol	ND		76	7.6	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
2,4-Dimethylphenol	ND		370	59	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Di-n-octyl phthalate	ND		370	40	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
1,4-Dioxane	ND		760	43	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Fluoranthene	**51**	**J**	76	8.1	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Fluorene	ND		76	9.9	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Hexachlorobenzene	ND		76	8.0	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Hexachlorobutadiene	ND		76	8.4	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Hexachlorocyclopentadiene	ND		370	41	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Indeno[1,2,3-cd]pyrene	**26**	**J**	76	7.8	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Isophorone	ND		370	28	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
2-Methylnaphthalene	**13**	**J**	76	6.8	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Naphthalene	ND		76	6.5	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
3-Nitroaniline	ND		1900	160	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Nitrobenzene	ND		760	31	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
2-Nitrophenol	ND		370	42	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
N-Nitrosodi-n-propylamine	ND		76	8.9	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1

Client Sample ID: SSHS-B75-2-6 (3) **Lab Sample ID: 180-35818-43**
Date Collected: 08/14/14 15:45 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 88.4**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		76	8.1	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Pentachlorophenol	ND		370	34	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Phenanthrene	**34**	**J**	76	12	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Phenol	ND		76	8.9	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
Pyrene	**45**	**J**	76	7.6	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
1,2,4,5-Tetrachlorobenzene	ND		370	29	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1
2,4,6-Trichlorophenol	ND		370	57	ug/Kg	☼	08/27/14 12:20	08/28/14 13:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*550*	*T J*	*ug/Kg*	☼	*13.10*		*08/27/14 12:20*	*08/28/14 13:49*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*13.16*		*08/27/14 12:20*	*08/28/14 13:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*35 - 105*	*08/27/14 12:20*	*08/28/14 13:49*	*1*
2-Fluorophenol (Surr)	*65*		*39 - 103*	*08/27/14 12:20*	*08/28/14 13:49*	*1*
Nitrobenzene-d5 (Surr)	*66*		*25 - 104*	*08/27/14 12:20*	*08/28/14 13:49*	*1*
Phenol-d5 (Surr)	*67*		*25 - 105*	*08/27/14 12:20*	*08/28/14 13:49*	*1*
Terphenyl-d14 (Surr)	*63*		*25 - 127*	*08/27/14 12:20*	*08/28/14 13:49*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*35 - 124*	*08/27/14 12:20*	*08/28/14 13:49*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
4,4'-DDD	**0.29**	**J p**	1.9	0.24	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
delta-BHC	**0.48**	**J p**	1.9	0.28	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
Endosulfan sulfate	**0.42**	**J**	1.9	0.19	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
Endrin	**0.85**	**J p**	1.9	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
gamma-Chlordane	**0.59**	**J p**	1.9	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
Heptachlor epoxide	**1.2**	**J p**	1.9	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1
Toxaphene	ND		75	12	ug/Kg	☼	08/26/14 22:14	08/28/14 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 130*	*08/26/14 22:14*	*08/28/14 15:36*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 130*	*08/26/14 22:14*	*08/28/14 15:36*	*1*
Tetrachloro-m-xylene	*72*		*45 - 130*	*08/26/14 22:14*	*08/28/14 15:36*	*1*

Client Sample Results

Client Sample ID: SSHS-B75-2-6 (3)

Lab Sample ID: 180-35818-43

Date Collected: 08/14/14 15:45
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*71*		*45 - 130*	*08/26/14 22:14*	*08/28/14 15:36*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/26/14 22:14	08/31/14 14:23	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/26/14 22:14	08/31/14 14:23	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/26/14 22:14	08/31/14 14:23	1
PCB-1242	ND		19	3.0	ug/Kg	☼	08/26/14 22:14	08/31/14 14:23	1
PCB-1248	**130**		19	1.8	ug/Kg	☼	08/26/14 22:14	08/31/14 14:23	1
PCB-1254	ND		19	2.6	ug/Kg	☼	08/26/14 22:14	08/31/14 14:23	1
PCB-1260	**17**	**J**	19	2.6	ug/Kg	☼	08/26/14 22:14	08/31/14 14:23	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/26/14 22:14	08/31/14 14:23	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/26/14 22:14	08/31/14 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 125*	*08/26/14 22:14*	*08/31/14 13:51*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/26/14 22:14*	*08/31/14 14:23*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*45 - 135*	*08/26/14 22:14*	*08/31/14 13:51*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*45 - 135*	*08/26/14 22:14*	*08/31/14 14:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8800**		24	2.5	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Antimony	ND		1.2	0.24	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Arsenic	**9.4**		1.2	0.36	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Barium	**50**		24	0.015	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Beryllium	**0.38**	**J**	0.47	0.013	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Cadmium	**0.038**	**J**	0.59	0.017	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Calcium	**6500**		590	1.8	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Chromium	**9.7**		0.59	0.091	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Cobalt	**7.9**		5.9	0.049	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Copper	**23**		2.9	0.17	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Iron	**20000**		12	1.0	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Lead	**15**		1.2	0.12	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Magnesium	**2500**		590	2.4	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Manganese	**610**		1.8	0.10	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Nickel	**17**		4.7	0.056	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Potassium	**620**		590	7.5	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Selenium	ND		1.2	0.32	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Silver	ND		0.59	0.048	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Sodium	**40**	**J**	590	1.2	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Thallium	ND		2.4	0.17	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Vanadium	**14**		5.9	0.21	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1
Zinc	**55**	**B**	2.4	0.12	mg/Kg	☼	08/21/14 13:05	08/28/14 11:05	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**	**J**	0.037	0.012	mg/Kg	☼	08/27/14 09:14	08/27/14 13:40	1

Client Sample Results

Client Sample ID: SSHS-B75-2-6 (3)

Lab Sample ID: 180-35818-43

Date Collected: 08/14/14 15:45

Matrix: Solid

Date Received: 08/15/14 09:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10	0.10	%			08/18/14 10:58	1
Percent Solids	**88**		0.10	0.10	%			08/18/14 10:58	1
Cyanide, Total	ND		0.58	0.17	mg/Kg	☼	08/23/14 09:00	08/23/14 11:00	1

Client Sample ID: SSHS-B75-6-10 (8)

Lab Sample ID: 180-35818-44

Date Collected: 08/14/14 15:58

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 90.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	5.4	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Benzene	ND		5.4	0.73	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Bromoform	ND		5.4	0.48	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Bromomethane	ND		5.4	0.80	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
2-Butanone (MEK)	ND		5.4	0.95	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Carbon disulfide	ND		5.4	0.55	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Carbon tetrachloride	ND		5.4	0.48	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Chlorobenzene	ND		5.4	0.82	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Chlorobromomethane	ND		5.4	0.74	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Chlorodibromomethane	ND		5.4	0.77	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Chloroethane	ND		5.4	1.7	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Chloroform	ND		5.4	0.63	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Chloromethane	ND		5.4	0.92	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
cis-1,2-Dichloroethene	ND		5.4	0.76	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
cis-1,3-Dichloropropene	ND		5.4	0.73	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Cyclohexane	ND		5.4	0.40	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
1,2-Dibromo-3-Chloropropane	ND		5.4	0.81	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
1,2-Dibromoethane	ND		5.4	0.93	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
1,2-Dichlorobenzene	ND		5.4	0.86	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
1,3-Dichlorobenzene	ND		5.4	0.71	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
1,4-Dichlorobenzene	ND		5.4	0.69	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Dichlorobromomethane	ND		5.4	0.61	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Dichlorodifluoromethane	ND		5.4	0.72	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
1,1-Dichloroethane	ND		5.4	0.62	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
1,2-Dichloroethane	ND		5.4	0.66	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
1,1-Dichloroethene	ND		5.4	0.92	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
1,2-Dichloropropane	ND		5.4	0.59	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
1,4-Dioxane	ND		1100	300	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Ethylbenzene	ND		5.4	0.70	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
2-Hexanone	ND		5.4	0.75	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Isopropylbenzene	ND		5.4	0.73	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Methyl acetate	ND		5.4	0.98	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Methylcyclohexane	ND		5.4	0.78	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Methylene Chloride	ND		5.4	0.73	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.4	0.71	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Methyl tert-butyl ether	ND		5.4	0.81	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
o-Xylene	ND		5.4	0.84	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Styrene	ND		5.4	0.76	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
1,1,2,2-Tetrachloroethane	ND		5.4	0.78	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B75-6-10 (8) **Lab Sample ID: 180-35818-44**
Date Collected: 08/14/14 15:58 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.4	0.74	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Toluene	ND		5.4	0.79	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
trans-1,2-Dichloroethene	ND		5.4	0.64	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
trans-1,3-Dichloropropene	ND		5.4	0.65	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
1,2,3-Trichlorobenzene	ND		5.4	0.91	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
1,2,4-Trichlorobenzene	ND		5.4	0.95	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
1,1,1-Trichloroethane	ND		5.4	0.53	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
1,1,2-Trichloroethane	ND		5.4	0.90	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Trichloroethene	ND		5.4	0.71	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Trichlorofluoromethane	ND		5.4	0.99	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1
Vinyl chloride	ND		5.4	0.51	ug/Kg	☼	08/21/14 05:34	08/21/14 17:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/21/14 05:34*	*08/21/14 17:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*63 - 120*	*08/21/14 05:34*	*08/21/14 17:08*	*1*
Dibromofluoromethane (Surr)	*99*		*68 - 121*	*08/21/14 05:34*	*08/21/14 17:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*52 - 124*	*08/21/14 05:34*	*08/21/14 17:08*	*1*
Toluene-d8 (Surr)	*98*		*72 - 127*	*08/21/14 05:34*	*08/21/14 17:08*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	7.1	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Acenaphthylene	ND		74	8.5	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Acetophenone	ND		370	30	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Anthracene	ND		74	7.2	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Atrazine	ND		370	36	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Benzaldehyde	ND		370	55	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Benzo[a]anthracene	ND		74	9.3	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Benzo[a]pyrene	ND		74	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Benzo[b]fluoranthene	ND		74	12	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Benzo[g,h,i]perylene	ND		74	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Benzo[k]fluoranthene	ND		74	15	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Bis(2-chloroethoxy)methane	ND		370	24	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Bis(2-ethylhexyl) phthalate	ND		740	60	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Butyl benzyl phthalate	ND		370	50	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Carbazole	ND		74	6.8	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
2-Chlorophenol	ND		370	30	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Chrysene	ND		74	8.8	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Dibenz(a,h)anthracene	ND		74	8.2	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1

Client Sample ID: SSHS-B75-6-10 (8)

Lab Sample ID: 180-35818-44

Date Collected: 08/14/14 15:58
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		370	36	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Diethyl phthalate	ND		370	40	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Dimethyl phthalate	ND		370	40	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Di-n-butyl phthalate	ND		370	46	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Fluoranthene	ND		74	7.9	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Fluorene	ND		74	9.7	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Hexachlorobenzene	ND		74	7.9	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Hexachlorobutadiene	ND		74	8.3	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Indeno[1,2,3-cd]pyrene	ND		74	7.6	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Isophorone	ND		370	28	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
2-Methylnaphthalene	ND		74	6.6	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Methylphenol, 3 & 4	ND		370	36	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Naphthalene	ND		74	6.4	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
N-Nitrosodi-n-propylamine	ND		74	8.7	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
N-Nitrosodiphenylamine	ND		370	34	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
2,2'-oxybis[1-chloropropane]	ND		74	8.0	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Phenanthrene	ND		74	12	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Phenol	ND		74	8.7	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
Pyrene	ND		74	7.5	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
2,4,5-Trichlorophenol	ND		370	39	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1
2,4,6-Trichlorophenol	ND		370	55	ug/Kg	☼	08/27/14 12:20	08/28/14 15:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*290*	*T J*	*ug/Kg*	☼	*13.10*		*08/27/14 12:20*	*08/28/14 15:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*35 - 105*	*08/27/14 12:20*	*08/28/14 15:13*	*1*
2-Fluorophenol (Surr)	*66*		*39 - 103*	*08/27/14 12:20*	*08/28/14 15:13*	*1*
Nitrobenzene-d5 (Surr)	*72*		*25 - 104*	*08/27/14 12:20*	*08/28/14 15:13*	*1*

Client Sample ID: SSHS-B75-6-10 (8) Lab Sample ID: 180-35818-44

Date Collected: 08/14/14 15:58 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.3**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*70*		*25 - 105*	*08/27/14 12:20*	*08/28/14 15:13*	*1*
Terphenyl-d14 (Surr)	*71*		*25 - 127*	*08/27/14 12:20*	*08/28/14 15:13*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*35 - 124*	*08/27/14 12:20*	*08/28/14 15:13*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
alpha-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
beta-BHC	ND		1.8	0.47	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
4,4'-DDD	ND		1.8	0.24	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
delta-BHC	ND		1.8	0.28	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
gamma-BHC (Lindane)	ND		1.8	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
gamma-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1
Toxaphene	ND		73	12	ug/Kg	☼	08/26/14 22:14	08/28/14 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/26/14 22:14*	*08/28/14 17:25*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 130*	*08/26/14 22:14*	*08/28/14 17:25*	*1*
Tetrachloro-m-xylene	*86*		*45 - 130*	*08/26/14 22:14*	*08/28/14 17:25*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/26/14 22:14*	*08/28/14 17:25*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/26/14 22:14	08/31/14 15:26	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/26/14 22:14	08/31/14 15:26	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/26/14 22:14	08/31/14 15:26	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/26/14 22:14	08/31/14 15:26	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/26/14 22:14	08/31/14 15:26	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/26/14 22:14	08/31/14 15:26	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/26/14 22:14	08/31/14 15:26	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/26/14 22:14	08/31/14 15:26	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/26/14 22:14	08/31/14 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 125*	*08/26/14 22:14*	*08/31/14 15:26*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 125*	*08/26/14 22:14*	*08/31/14 15:57*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*	*08/26/14 22:14*	*08/31/14 15:26*	*1*

Client Sample ID: SSHS-B75-6-10 (8)

Lab Sample ID: 180-35818-44

Date Collected: 08/14/14 15:58

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 90.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*77*		*45 - 135*	*08/26/14 22:14*	*08/31/14 15:57*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6300**		23	2.4	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Antimony	ND		1.1	0.23	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Arsenic	**6.8**		1.1	0.35	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Barium	**42**		23	0.014	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Beryllium	**0.27**	**J**	0.45	0.013	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Cadmium	**0.080**	**J**	0.57	0.016	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Calcium	**6800**		570	1.7	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Chromium	**8.0**		0.57	0.087	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Cobalt	**5.3**	**J**	5.7	0.047	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Copper	**18**		2.8	0.16	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Iron	**16000**		11	1.0	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Lead	**6.2**		1.1	0.12	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Magnesium	**2900**		570	2.3	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Manganese	**440**		1.7	0.10	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Nickel	**13**		4.5	0.054	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Potassium	**630**		570	7.2	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Selenium	**0.33**	**J**	1.1	0.30	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Silver	ND		0.57	0.046	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Sodium	**49**	**J**	570	1.2	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Vanadium	**11**		5.7	0.20	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1
Zinc	**54**	**B**	2.3	0.12	mg/Kg	☼	08/21/14 13:05	08/28/14 11:40	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.012	mg/Kg	☼	08/27/14 09:14	08/27/14 13:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.7**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**90**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/23/14 09:00	08/23/14 11:08	1

Client Sample ID: SSHS-B75-10-15 (12.5)

Lab Sample ID: 180-35818-45

Date Collected: 08/14/14 16:11

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 95.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.9	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Benzene	ND		4.9	0.67	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Bromoform	ND		4.9	0.44	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Bromomethane	ND		4.9	0.73	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
2-Butanone (MEK)	ND		4.9	0.87	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Carbon disulfide	ND		4.9	0.50	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Carbon tetrachloride	ND		4.9	0.44	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B75-10-15 (12.5)

Date Collected: 08/14/14 16:11
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-45
Matrix: Solid
Percent Solids: 95.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		4.9	0.75	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Chlorobromomethane	ND		4.9	0.68	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Chlorodibromomethane	ND		4.9	0.70	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Chloroethane	ND		4.9	1.5	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Chloroform	ND		4.9	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Chloromethane	ND		4.9	0.84	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
cis-1,2-Dichloroethene	ND		4.9	0.69	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
cis-1,3-Dichloropropene	ND		4.9	0.67	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Cyclohexane	ND		4.9	0.37	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
1,2-Dibromo-3-Chloropropane	ND		4.9	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
1,2-Dibromoethane	ND		4.9	0.85	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
1,2-Dichlorobenzene	ND		4.9	0.79	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
1,3-Dichlorobenzene	ND		4.9	0.65	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
1,4-Dichlorobenzene	ND		4.9	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Dichlorobromomethane	ND		4.9	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Dichlorodifluoromethane	ND		4.9	0.66	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
1,1-Dichloroethane	ND		4.9	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
1,2-Dichloroethane	ND		4.9	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
1,1-Dichloroethene	ND		4.9	0.84	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
1,2-Dichloropropane	ND		4.9	0.54	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
1,4-Dioxane	ND		990	270	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Ethylbenzene	ND		4.9	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
2-Hexanone	ND		4.9	0.68	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Isopropylbenzene	ND		4.9	0.67	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Methyl acetate	ND		4.9	0.89	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Methylcyclohexane	ND		4.9	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Methylene Chloride	ND		4.9	0.66	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	0.64	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Methyl tert-butyl ether	ND		4.9	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
m-Xylene & p-Xylene	ND		9.9	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
o-Xylene	ND		4.9	0.77	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Styrene	ND		4.9	0.69	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Tetrachloroethene	ND		4.9	0.67	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Toluene	ND		4.9	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
trans-1,2-Dichloroethene	ND		4.9	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
trans-1,3-Dichloropropene	ND		4.9	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
1,2,3-Trichlorobenzene	ND		4.9	0.83	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
1,2,4-Trichlorobenzene	ND		4.9	0.87	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
1,1,1-Trichloroethane	ND		4.9	0.48	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
1,1,2-Trichloroethane	ND		4.9	0.82	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Trichloroethene	ND		4.9	0.65	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Trichlorofluoromethane	ND		4.9	0.91	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1
Vinyl chloride	ND		4.9	0.46	ug/Kg	☼	08/22/14 04:01	08/22/14 09:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 04:01*	*08/22/14 09:56*	*1*

Client Sample ID: SSHS-B75-10-15 (12.5) **Lab Sample ID: 180-35818-45**
Date Collected: 08/14/14 16:11 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 95.9**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*63 - 120*	*08/22/14 04:01*	*08/22/14 09:56*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/22/14 04:01*	*08/22/14 09:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*52 - 124*	*08/22/14 04:01*	*08/22/14 09:56*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/22/14 04:01*	*08/22/14 09:56*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	6.7	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Acenaphthylene	ND		70	8.0	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Acetophenone	ND		340	29	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Anthracene	ND		70	6.8	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Atrazine	ND		340	34	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Benzaldehyde	ND		340	52	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Benzo[a]anthracene	ND		70	8.7	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Benzo[a]pyrene	ND		70	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Benzo[b]fluoranthene	ND		70	11	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Benzo[g,h,i]perylene	ND		70	6.9	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Benzo[k]fluoranthene	ND		70	14	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
1,1'-Biphenyl	ND		340	31	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Bis(2-chloroethoxy)methane	ND		340	23	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Bis(2-chloroethyl)ether	ND		70	9.3	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Bis(2-ethylhexyl) phthalate	ND		700	56	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
4-Bromophenyl phenyl ether	ND		340	30	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Butyl benzyl phthalate	ND		340	48	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Caprolactam	ND		1800	260	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Carbazole	ND		70	6.4	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
4-Chloroaniline	ND		340	28	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
4-Chloro-3-methylphenol	ND		340	32	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
2-Chloronaphthalene	ND		70	7.3	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
2-Chlorophenol	ND		340	28	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
4-Chlorophenyl phenyl ether	ND		340	39	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Chrysene	ND		70	8.3	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Dibenz(a,h)anthracene	ND		70	7.7	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Dibenzofuran	ND		340	34	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
3,3'-Dichlorobenzidine	ND		340	37	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
2,4-Dichlorophenol	ND		70	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Diethyl phthalate	ND		340	38	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
2,4-Dimethylphenol	ND		340	54	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Dimethyl phthalate	ND		340	38	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Di-n-butyl phthalate	ND		340	44	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
2,4-Dinitrophenol	ND		1800	410	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
2,4-Dinitrotoluene	ND		340	28	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
2,6-Dinitrotoluene	ND		340	36	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Di-n-octyl phthalate	ND		340	37	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
1,4-Dioxane	ND		700	40	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Fluoranthene	ND		70	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Fluorene	ND		70	9.2	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Hexachlorobenzene	ND		70	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Hexachlorobutadiene	ND		70	7.8	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1

Client Sample ID: SSHS-B75-10-15 (12.5) **Lab Sample ID: 180-35818-45**
Date Collected: 08/14/14 16:11 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 95.9**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		340	38	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Hexachloroethane	ND		340	25	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Indeno[1,2,3-cd]pyrene	ND		70	7.2	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Isophorone	ND		340	26	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
2-Methylnaphthalene	ND		70	6.3	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
2-Methylphenol	ND		340	24	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Methylphenol, 3 & 4	ND		340	34	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Naphthalene	ND		70	6.0	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
3-Nitroaniline	ND		1800	140	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Nitrobenzene	ND		700	29	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
2-Nitrophenol	ND		340	38	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
N-Nitrosodi-n-propylamine	ND		70	8.2	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
N-Nitrosodiphenylamine	ND		340	32	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
2,2'-oxybis[1-chloropropane]	ND		70	7.5	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Pentachlorophenol	ND		340	31	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Phenanthrene	ND		70	11	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Phenol	ND		70	8.2	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
Pyrene	ND		70	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
1,2,4,5-Tetrachlorobenzene	ND		340	26	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
2,3,4,6-Tetrachlorophenol	ND		340	22	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
2,4,5-Trichlorophenol	ND		340	37	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1
2,4,6-Trichlorophenol	ND		340	52	ug/Kg	☼	08/27/14 12:20	08/28/14 15:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*170*	*T J*	*ug/Kg*	☼	*10.45*		*08/27/14 12:20*	*08/28/14 15:41*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*12.70*		*08/27/14 12:20*	*08/28/14 15:41*	*1*
Unknown	*710*	*T J*	*ug/Kg*	☼	*13.12*		*08/27/14 12:20*	*08/28/14 15:41*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*13.17*		*08/27/14 12:20*	*08/28/14 15:41*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*13.26*		*08/27/14 12:20*	*08/28/14 15:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*08/27/14 12:20*	*08/28/14 15:41*	*1*
2-Fluorophenol (Surr)	*57*		*39 - 103*	*08/27/14 12:20*	*08/28/14 15:41*	*1*
Nitrobenzene-d5 (Surr)	*67*		*25 - 104*	*08/27/14 12:20*	*08/28/14 15:41*	*1*
Phenol-d5 (Surr)	*66*		*25 - 105*	*08/27/14 12:20*	*08/28/14 15:41*	*1*
Terphenyl-d14 (Surr)	*73*		*25 - 127*	*08/27/14 12:20*	*08/28/14 15:41*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*35 - 124*	*08/27/14 12:20*	*08/28/14 15:41*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
alpha-BHC	ND		1.8	0.28	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
beta-BHC	ND		1.8	0.45	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
4,4'-DDE	ND		1.8	0.26	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B75-10-15 (12.5)

Date Collected: 08/14/14 16:11
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-45

Matrix: Solid
Percent Solids: 95.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
gamma-Chlordane	ND		1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
Methoxychlor	ND		3.4	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1
Toxaphene	ND		70	12	ug/Kg	☼	08/26/14 22:14	08/28/14 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/26/14 22:14*	*08/28/14 17:40*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*	*08/26/14 22:14*	*08/28/14 17:40*	*1*
Tetrachloro-m-xylene	*86*		*45 - 130*	*08/26/14 22:14*	*08/28/14 17:40*	*1*
Tetrachloro-m-xylene	*82*		*45 - 130*	*08/26/14 22:14*	*08/28/14 17:40*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.6	ug/Kg	☼	08/26/14 22:14	08/31/14 15:57	1
PCB-1221	ND		17	3.3	ug/Kg	☼	08/26/14 22:14	08/31/14 15:57	1
PCB-1232	ND		17	3.0	ug/Kg	☼	08/26/14 22:14	08/31/14 15:57	1
PCB-1242	ND		17	2.8	ug/Kg	☼	08/26/14 22:14	08/31/14 15:57	1
PCB-1248	ND		17	1.6	ug/Kg	☼	08/26/14 22:14	08/31/14 15:57	1
PCB-1254	ND		17	2.5	ug/Kg	☼	08/26/14 22:14	08/31/14 15:57	1
PCB-1260	ND		17	2.5	ug/Kg	☼	08/26/14 22:14	08/31/14 15:57	1
PCB-1262	ND		17	3.8	ug/Kg	☼	08/26/14 22:14	08/31/14 15:57	1
PCB-1268	ND		17	2.2	ug/Kg	☼	08/26/14 22:14	08/31/14 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/26/14 22:14*	*08/31/14 15:57*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 125*	*08/26/14 22:14*	*08/31/14 16:29*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*	*08/26/14 22:14*	*08/31/14 15:57*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*	*08/26/14 22:14*	*08/31/14 16:29*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4200**		19	2.0	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Antimony	ND		0.94	0.19	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Arsenic	**4.2**		0.94	0.29	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Barium	**33**		19	0.012	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Beryllium	**0.15**	**J**	0.38	0.011	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Cadmium	**0.039**	**J**	0.47	0.013	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Calcium	**39000**		470	1.4	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Chromium	**7.1**		0.47	0.073	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Cobalt	**3.9**	**J**	4.7	0.039	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B75-10-15 (12.5)

Date Collected: 08/14/14 16:11
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-45
Matrix: Solid
Percent Solids: 95.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	**21**		2.3	0.14	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Iron	**11000**		9.4	0.83	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Lead	**7.0**		0.94	0.096	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Magnesium	**14000**		470	1.9	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Manganese	**300**		1.4	0.084	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Nickel	**9.4**		3.8	0.045	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Potassium	**510**		470	6.0	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Selenium	ND		0.94	0.25	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Silver	ND		0.47	0.038	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Sodium	**65**	**J**	470	1.0	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Thallium	ND		1.9	0.14	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Vanadium	**7.7**		4.7	0.16	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1
Zinc	**42**	**B**	1.9	0.097	mg/Kg	☼	08/21/14 13:05	08/28/14 11:45	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.011	mg/Kg	☼	08/27/14 09:14	08/27/14 13:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.1**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**96**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	ND		0.50	0.15	mg/Kg	☼	08/23/14 09:00	08/23/14 11:08	1

Client Sample ID: SSHS-B64-0.17-2 (1)

Date Collected: 08/14/14 10:58
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-46
Matrix: Solid
Percent Solids: 95.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.2	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Benzene	ND		4.2	0.56	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Bromoform	ND		4.2	0.37	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Bromomethane	ND		4.2	0.62	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
2-Butanone (MEK)	ND		4.2	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Carbon disulfide	ND		4.2	0.43	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Carbon tetrachloride	ND		4.2	0.37	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Chlorobenzene	ND		4.2	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Chlorobromomethane	ND		4.2	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Chlorodibromomethane	ND		4.2	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Chloroethane	ND		4.2	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Chloroform	ND		4.2	0.49	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Chloromethane	ND		4.2	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
cis-1,2-Dichloroethene	ND		4.2	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
cis-1,3-Dichloropropene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Cyclohexane	ND		4.2	0.31	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
1,2-Dibromo-3-Chloropropane	ND		4.2	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
1,2-Dibromoethane	ND		4.2	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
1,2-Dichlorobenzene	ND		4.2	0.67	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
1,3-Dichlorobenzene	ND		4.2	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B64-0.17-2 (1)
Date Collected: 08/14/14 10:58
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-46
Matrix: Solid
Percent Solids: 95.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		4.2	0.53	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Dichlorobromomethane	ND		4.2	0.47	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Dichlorodifluoromethane	ND		4.2	0.56	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
1,1-Dichloroethane	ND		4.2	0.48	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
1,2-Dichloroethane	ND		4.2	0.51	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
1,1-Dichloroethene	ND		4.2	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
1,2-Dichloropropane	ND		4.2	0.45	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
1,4-Dioxane	ND		840	230	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Ethylbenzene	ND		4.2	0.54	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
2-Hexanone	ND		4.2	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Isopropylbenzene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Methyl acetate	ND		4.2	0.75	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Methylcyclohexane	ND		4.2	0.61	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Methylene Chloride	ND		4.2	0.56	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Methyl tert-butyl ether	ND		4.2	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
m-Xylene & p-Xylene	ND		8.4	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
o-Xylene	ND		4.2	0.65	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Styrene	ND		4.2	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Tetrachloroethene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Toluene	ND		4.2	0.61	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
trans-1,2-Dichloroethene	ND		4.2	0.50	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
trans-1,3-Dichloropropene	ND		4.2	0.50	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
1,2,3-Trichlorobenzene	ND		4.2	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
1,2,4-Trichlorobenzene	ND		4.2	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
1,1,1-Trichloroethane	ND		4.2	0.41	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
1,1,2-Trichloroethane	ND		4.2	0.69	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Trichloroethene	ND		4.2	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Trichlorofluoromethane	ND		4.2	0.77	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.89	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1
Vinyl chloride	ND		4.2	0.39	ug/Kg	☼	08/22/14 04:01	08/22/14 10:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 04:01*	*08/22/14 10:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*63 - 120*	*08/22/14 04:01*	*08/22/14 10:18*	*1*
Dibromofluoromethane (Surr)	*113*		*68 - 121*	*08/22/14 04:01*	*08/22/14 10:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*52 - 124*	*08/22/14 04:01*	*08/22/14 10:18*	*1*
Toluene-d8 (Surr)	*109*		*72 - 127*	*08/22/14 04:01*	*08/22/14 10:18*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	6.7	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Acenaphthylene	ND		71	8.0	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Acetophenone	ND		350	29	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Anthracene	ND		71	6.9	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Atrazine	ND		350	34	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1

Client Sample Results

Client Sample ID: SSHS-B64-0.17-2 (1)

Lab Sample ID: 180-35818-46

Date Collected: 08/14/14 10:58
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 95.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		71	8.8	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Benzo[a]pyrene	ND		71	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Benzo[b]fluoranthene	ND		71	11	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Benzo[g,h,i]perylene	ND		71	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Benzo[k]fluoranthene	ND		71	14	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
1,1'-Biphenyl	ND		350	31	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Bis(2-chloroethyl)ether	ND		71	9.4	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Bis(2-ethylhexyl) phthalate	ND		710	57	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Carbazole	ND		71	6.5	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
4-Chloro-3-methylphenol	ND		350	32	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
2-Chloronaphthalene	ND		71	7.3	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Chrysene	ND		71	8.4	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Dibenz(a,h)anthracene	ND		71	7.8	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
2,4-Dichlorophenol	ND		71	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Diethyl phthalate	ND		350	38	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Dimethyl phthalate	ND		350	38	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
2,4-Dinitrotoluene	ND		350	28	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
2,6-Dinitrotoluene	ND		350	36	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
1,4-Dioxane	ND		710	40	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Fluoranthene	ND		71	7.5	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Fluorene	ND		71	9.3	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Hexachlorobenzene	ND		71	7.5	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Hexachlorobutadiene	ND		71	7.9	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Indeno[1,2,3-cd]pyrene	ND		71	7.2	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Isophorone	ND		350	26	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
2-Methylnaphthalene	**29**	**J**	71	6.3	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Methylphenol, 3 & 4	ND		350	34	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Naphthalene	**19**	**J**	71	6.1	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
3-Nitroaniline	ND		1800	140	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Nitrobenzene	ND		710	29	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1

Client Sample Results

Client Sample ID: SSHS-B64-0.17-2 (1)

Lab Sample ID: 180-35818-46

Date Collected: 08/14/14 10:58

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 95.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
N-Nitrosodi-n-propylamine	ND		71	8.2	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
2,2'-oxybis[1-chloropropane]	ND		71	7.6	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Pentachlorophenol	ND		350	31	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Phenanthrene	**20**	**J**	71	11	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Phenol	ND		71	8.3	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
Pyrene	ND		71	7.1	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
2,4,5-Trichlorophenol	ND		350	37	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/27/14 12:20	08/28/14 16:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Substituted Biphenyl	*150*	*T J*	*ug/Kg*	☼	*10.92*		*08/27/14 12:20*	*08/28/14 16:10*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*13.12*		*08/27/14 12:20*	*08/28/14 16:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*08/27/14 12:20*	*08/28/14 16:10*	*1*
2-Fluorophenol (Surr)	*64*		*39 - 103*	*08/27/14 12:20*	*08/28/14 16:10*	*1*
Nitrobenzene-d5 (Surr)	*72*		*25 - 104*	*08/27/14 12:20*	*08/28/14 16:10*	*1*
Phenol-d5 (Surr)	*68*		*25 - 105*	*08/27/14 12:20*	*08/28/14 16:10*	*1*
Terphenyl-d14 (Surr)	*69*		*25 - 127*	*08/27/14 12:20*	*08/28/14 16:10*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*35 - 124*	*08/27/14 12:20*	*08/28/14 16:10*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**5.6**	**p**	1.8	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
alpha-Chlordane	**1.2**	**J p**	1.8	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
beta-BHC	**1.4**	**J p**	1.8	0.46	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
4,4'-DDD	**1.1**	**J p**	1.8	0.23	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
4,4'-DDT	**1.9**	**p**	1.8	0.26	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
Dieldrin	**1.1**	**J p**	1.8	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
Endosulfan I	**3.0**		1.8	0.33	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
Endosulfan sulfate	**1.6**	**J p**	1.8	0.18	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
Endrin	**7.8**	**p**	1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
Endrin aldehyde	**1.8**		1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
Endrin ketone	**1.2**	**J p**	1.8	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
gamma-Chlordane	**35**		1.8	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
Heptachlor	**2.9**	**p**	1.8	0.39	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
Heptachlor epoxide	**28**	**p**	1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
Methoxychlor	**0.58**	**J p**	3.5	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1
Toxaphene	ND		71	12	ug/Kg	☼	08/26/14 22:14	08/28/14 17:56	1

Client Sample Results

Client Sample ID: SSHS-B64-0.17-2 (1) Lab Sample ID: 180-35818-46

Date Collected: 08/14/14 10:58 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 95.0**

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/26/14 22:14*	*08/28/14 17:56*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*08/26/14 22:14*	*08/28/14 17:56*	*1*
Tetrachloro-m-xylene	*85*		*45 - 130*	*08/26/14 22:14*	*08/28/14 17:56*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/26/14 22:14*	*08/28/14 17:56*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/26/14 22:14	08/31/14 16:29	1
PCB-1221	ND		18	3.3	ug/Kg	☼	08/26/14 22:14	08/31/14 16:29	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/26/14 22:14	08/31/14 16:29	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/26/14 22:14	08/31/14 16:29	1
PCB-1248	**1900**		18	1.7	ug/Kg	☼	08/26/14 22:14	08/31/14 16:29	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/26/14 22:14	08/31/14 16:29	1
PCB-1260	**100**		18	2.5	ug/Kg	☼	08/26/14 22:14	08/31/14 16:29	1
PCB-1262	ND		18	3.8	ug/Kg	☼	08/26/14 22:14	08/31/14 16:29	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/26/14 22:14	08/31/14 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*	*08/26/14 22:14*	*08/31/14 16:29*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/26/14 22:14*	*08/31/14 17:00*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*	*08/26/14 22:14*	*08/31/14 16:29*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*45 - 135*	*08/26/14 22:14*	*08/31/14 17:00*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6500**		20	2.1	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Antimony	ND		0.99	0.20	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Arsenic	**5.5**		0.99	0.30	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Barium	**140**		20	0.013	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Beryllium	**0.28**	**J**	0.40	0.011	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Cadmium	**0.12**	**J**	0.50	0.014	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Calcium	**52000**		500	1.5	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Chromium	**8.6**		0.50	0.077	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Cobalt	**5.8**		5.0	0.042	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Copper	**20**		2.5	0.14	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Iron	**15000**		9.9	0.88	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Lead	**10**		0.99	0.10	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Magnesium	**5300**		500	2.1	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Manganese	**520**		1.5	0.088	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Nickel	**16**		4.0	0.047	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Potassium	**530**		500	6.3	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Selenium	**0.29**	**J**	0.99	0.27	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Silver	ND		0.50	0.040	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Sodium	**170**	**J**	500	1.1	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Vanadium	**11**		5.0	0.17	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1
Zinc	**53**	**B**	2.0	0.10	mg/Kg	☼	08/21/14 13:05	08/28/14 11:51	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.014**	**J**	0.034	0.011	mg/Kg	☼	08/27/14 09:14	08/27/14 13:49	1

Client Sample Results

Client Sample ID: SSHS-B64-0.17-2 (1)

Lab Sample ID: 180-35818-46

Date Collected: 08/14/14 10:58

Matrix: Solid

Date Received: 08/15/14 09:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.0**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**95**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	ND		0.52	0.15	mg/Kg	☼	08/23/14 09:00	08/23/14 11:08	1

Client Sample ID: SSHS-B64-4-6 (5)

Lab Sample ID: 180-35818-47

Date Collected: 08/14/14 11:06

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 85.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		32	8.1	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Benzene	ND		8.1	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Bromoform	ND		8.1	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Bromomethane	ND		8.1	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
2-Butanone (MEK)	ND		8.1	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Carbon disulfide	ND		8.1	0.83	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Carbon tetrachloride	ND		8.1	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Chlorobenzene	ND		8.1	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Chlorobromomethane	ND		8.1	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Chlorodibromomethane	ND		8.1	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Chloroethane	ND		8.1	2.5	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Chloroform	ND		8.1	0.95	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Chloromethane	ND		8.1	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
cis-1,2-Dichloroethene	ND		8.1	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
cis-1,3-Dichloropropene	ND		8.1	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Cyclohexane	ND		8.1	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
1,2-Dibromo-3-Chloropropane	ND		8.1	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
1,2-Dibromoethane	ND		8.1	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
1,2-Dichlorobenzene	ND		8.1	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
1,3-Dichlorobenzene	ND		8.1	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
1,4-Dichlorobenzene	ND		8.1	1.0	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Dichlorobromomethane	ND		8.1	0.91	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Dichlorodifluoromethane	ND		8.1	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
1,1-Dichloroethane	ND		8.1	0.93	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
1,2-Dichloroethane	ND		8.1	0.99	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
1,1-Dichloroethene	ND		8.1	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
1,2-Dichloropropane	ND		8.1	0.88	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
1,4-Dioxane	ND		1600	450	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Ethylbenzene	ND		8.1	1.0	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
2-Hexanone	ND		8.1	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Isopropylbenzene	ND		8.1	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Methyl acetate	ND		8.1	1.5	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Methylcyclohexane	ND		8.1	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Methylene Chloride	ND		8.1	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
4-Methyl-2-pentanone (MIBK)	ND		8.1	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Methyl tert-butyl ether	ND		8.1	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
m-Xylene & p-Xylene	ND		16	2.4	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
o-Xylene	ND		8.1	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Styrene	ND		8.1	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
1,1,2,2-Tetrachloroethane	ND		8.1	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B64-4-6 (5) **Lab Sample ID: 180-35818-47**
Date Collected: 08/14/14 11:06 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 85.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		8.1	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Toluene	ND		8.1	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
trans-1,2-Dichloroethene	ND		8.1	0.96	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
trans-1,3-Dichloropropene	ND		8.1	0.97	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
1,2,3-Trichlorobenzene	ND		8.1	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
1,2,4-Trichlorobenzene	ND		8.1	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
1,1,1-Trichloroethane	ND		8.1	0.79	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
1,1,2-Trichloroethane	ND		8.1	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Trichloroethene	ND		8.1	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Trichlorofluoromethane	ND		8.1	1.5	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.1	1.7	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1
Vinyl chloride	ND		8.1	0.76	ug/Kg	☼	08/22/14 04:01	08/22/14 10:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 04:01*	*08/22/14 10:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*63 - 120*	*08/22/14 04:01*	*08/22/14 10:40*	*1*
Dibromofluoromethane (Surr)	*113*		*68 - 121*	*08/22/14 04:01*	*08/22/14 10:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*52 - 124*	*08/22/14 04:01*	*08/22/14 10:40*	*1*
Toluene-d8 (Surr)	*104*		*72 - 127*	*08/22/14 04:01*	*08/22/14 10:40*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Acenaphthylene	ND		78	8.9	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Acetophenone	**34**	**J**	380	32	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Anthracene	**18**	**J**	78	7.6	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Atrazine	ND		380	38	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Benzaldehyde	**63**	**J**	380	58	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Benzo[a]anthracene	ND		78	9.7	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Benzo[a]pyrene	ND		78	7.7	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Benzo[b]fluoranthene	ND		78	12	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Benzo[g,h,i]perylene	ND		78	7.7	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Benzo[k]fluoranthene	ND		78	16	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
1,1'-Biphenyl	ND		380	35	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Bis(2-chloroethoxy)methane	ND		380	25	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Bis(2-chloroethyl)ether	ND		78	10	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Bis(2-ethylhexyl) phthalate	ND		780	63	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
4-Bromophenyl phenyl ether	ND		380	34	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Butyl benzyl phthalate	ND		380	53	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Caprolactam	ND		2000	290	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Carbazole	ND		78	7.1	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
4-Chloroaniline	ND		380	31	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
4-Chloro-3-methylphenol	ND		380	36	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
2-Chloronaphthalene	ND		78	8.1	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
2-Chlorophenol	ND		380	32	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
4-Chlorophenyl phenyl ether	ND		380	43	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Chrysene	ND		78	9.2	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Dibenz(a,h)anthracene	ND		78	8.6	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B64-4-6 (5)
Date Collected: 08/14/14 11:06
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-47
Matrix: Solid
Percent Solids: 85.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	**44**	**J**	380	38	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
3,3'-Dichlorobenzidine	ND		380	41	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
2,4-Dichlorophenol	ND		78	7.8	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Diethyl phthalate	ND		380	42	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
2,4-Dimethylphenol	ND		380	61	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Dimethyl phthalate	ND		380	42	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Di-n-butyl phthalate	ND		380	49	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
2,4-Dinitrophenol	ND		2000	460	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
2,6-Dinitrotoluene	ND		380	40	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Di-n-octyl phthalate	ND		380	41	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
1,4-Dioxane	ND		780	44	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Fluoranthene	**85**		78	8.3	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Fluorene	ND		78	10	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Hexachlorobenzene	ND		78	8.2	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Hexachlorobutadiene	ND		78	8.7	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Hexachlorocyclopentadiene	ND		380	42	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Hexachloroethane	ND		380	28	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Indeno[1,2,3-cd]pyrene	ND		78	8.0	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Isophorone	ND		380	29	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
2-Methylnaphthalene	**120**		78	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Methylphenol, 3 & 4	ND		380	38	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Naphthalene	**50**	**J**	78	6.7	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
2-Nitroaniline	ND		2000	170	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Nitrobenzene	ND		780	32	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
2-Nitrophenol	ND		380	43	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
4-Nitrophenol	ND		2000	140	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
N-Nitrosodi-n-propylamine	ND		78	9.1	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
N-Nitrosodiphenylamine	ND		380	36	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
2,2'-oxybis[1-chloropropane]	ND		78	8.4	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Pentachlorophenol	ND		380	35	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Phenanthrene	**320**		78	12	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Phenol	ND		78	9.1	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
Pyrene	**77**	**J**	78	7.8	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
2,3,4,6-Tetrachlorophenol	ND		380	25	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
2,4,5-Trichlorophenol	ND		380	41	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1
2,4,6-Trichlorophenol	ND		380	58	ug/Kg	☼	08/27/14 12:20	08/28/14 16:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Straight Chain Alkane	*290*	*T J*	*ug/Kg*	☼	*8.08*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown Substituted Naphthalene	*300*	*T J*	*ug/Kg*	☼	*8.86*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*400*	*T J*	*ug/Kg*	☼	*8.90*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*360*	*T J*	*ug/Kg*	☼	*9.09*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*9.41*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*9.48*		*08/27/14 12:20*	*08/28/14 16:38*	*1*

Client Sample Results

Client Sample ID: SSHS-B64-4-6 (5)
Date Collected: 08/14/14 11:06
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-47
Matrix: Solid
Percent Solids: 85.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*260*	*T J*	*ug/Kg*	☼	*9.69*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*9.75*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*9.84*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*730*	*T J*	*ug/Kg*	☼	*9.99*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*10.32*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*440*	*T J*	*ug/Kg*	☼	*10.39*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*10.43*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*10.75*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*430*	*T J*	*ug/Kg*	☼	*10.80*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*11.08*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*460*	*T J*	*ug/Kg*	☼	*11.11*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*11.20*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*500*	*T J*	*ug/Kg*	☼	*11.23*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown Substituted Naphthalene	*180*	*T J*	*ug/Kg*	☼	*11.40*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*11.67*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown PAH	*280*	*T J*	*ug/Kg*	☼	*11.72*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*12.15*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*12.68*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*600*	*T J*	*ug/Kg*	☼	*13.10*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*13.51*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*13.85*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*14.50*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*15.88*		*08/27/14 12:20*	*08/28/14 16:38*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*18.99*		*08/27/14 12:20*	*08/28/14 16:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*35 - 105*	*08/27/14 12:20*	*08/28/14 16:38*	*1*
2-Fluorophenol (Surr)	*54*		*39 - 103*	*08/27/14 12:20*	*08/28/14 16:38*	*1*
Nitrobenzene-d5 (Surr)	*62*		*25 - 104*	*08/27/14 12:20*	*08/28/14 16:38*	*1*
Phenol-d5 (Surr)	*58*		*25 - 105*	*08/27/14 12:20*	*08/28/14 16:38*	*1*
Terphenyl-d14 (Surr)	*56*		*25 - 127*	*08/27/14 12:20*	*08/28/14 16:38*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*35 - 124*	*08/27/14 12:20*	*08/28/14 16:38*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
alpha-BHC	ND		2.0	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
alpha-Chlordane	ND		2.0	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
beta-BHC	ND		2.0	0.50	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
4,4'-DDD	ND		2.0	0.25	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
4,4'-DDE	ND		2.0	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
4,4'-DDT	ND		2.0	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
delta-BHC	ND		2.0	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
Dieldrin	ND		2.0	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
Endosulfan I	ND		2.0	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
Endosulfan II	ND		2.0	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
Endosulfan sulfate	ND		2.0	0.20	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
Endrin	ND		2.0	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
Endrin aldehyde	ND		2.0	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1

Client Sample ID: SSHS-B64-4-6 (5)

Lab Sample ID: 180-35818-47

Date Collected: 08/14/14 11:06

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 85.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	ND		2.0	0.30	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
gamma-BHC (Lindane)	ND		2.0	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
gamma-Chlordane	**0.60**	**J**	2.0	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
Heptachlor	**0.52**	**J p**	2.0	0.43	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
Heptachlor epoxide	**0.46**	**J p**	2.0	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
Methoxychlor	ND		3.8	0.40	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1
Toxaphene	ND		77	13	ug/Kg	☼	08/26/14 22:14	08/28/14 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*63*		*45 - 130*	*08/26/14 22:14*	*08/28/14 18:11*	*1*
DCB Decachlorobiphenyl (Surr)	*61*		*45 - 130*	*08/26/14 22:14*	*08/28/14 18:11*	*1*
Tetrachloro-m-xylene	*67*		*45 - 130*	*08/26/14 22:14*	*08/28/14 18:11*	*1*
Tetrachloro-m-xylene	*63*		*45 - 130*	*08/26/14 22:14*	*08/28/14 18:11*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.9	ug/Kg	☼	08/26/14 22:14	08/31/14 17:00	1
PCB-1221	ND		19	3.7	ug/Kg	☼	08/26/14 22:14	08/31/14 17:00	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/26/14 22:14	08/31/14 17:00	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/26/14 22:14	08/31/14 17:00	1
PCB-1248	**51**		19	1.8	ug/Kg	☼	08/26/14 22:14	08/31/14 17:00	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/26/14 22:14	08/31/14 17:00	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/26/14 22:14	08/31/14 17:00	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/26/14 22:14	08/31/14 17:00	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/26/14 22:14	08/31/14 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*61*		*45 - 125*	*08/26/14 22:14*	*08/31/14 17:00*	*1*
DCB Decachlorobiphenyl (Surr)	*56*		*45 - 125*	*08/26/14 22:14*	*08/31/14 17:32*	*1*
Tetrachloro-m-xylene (Surr)	*61*		*45 - 135*	*08/26/14 22:14*	*08/31/14 17:00*	*1*
Tetrachloro-m-xylene (Surr)	*60*		*45 - 135*	*08/26/14 22:14*	*08/31/14 17:32*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1300**		24	2.5	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Antimony	**1.6**		1.2	0.24	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Arsenic	**20**		1.2	0.36	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Barium	**92**		24	0.015	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Beryllium	**0.37**	**J**	0.48	0.013	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Cadmium	ND		0.60	0.017	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Calcium	**5700**		600	1.8	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Chromium	**9.0**		0.60	0.092	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Cobalt	**4.3**	**J**	6.0	0.050	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Copper	**35**		3.0	0.17	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Iron	**22000**		12	1.1	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Lead	**60**		1.2	0.12	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Magnesium	**430**	**J**	600	2.5	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Manganese	**44**		1.8	0.11	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Nickel	**10**		4.8	0.057	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Potassium	**700**		600	7.6	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1

Client Sample Results

Client Sample ID: SSHS-B64-4-6 (5)

Lab Sample ID: 180-35818-47

Date Collected: 08/14/14 11:06

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 85.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	**2.8**		1.2	0.32	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Silver	ND		0.60	0.048	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Sodium	**320**	**J**	600	1.3	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Thallium	**0.20**	**J**	2.4	0.17	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Vanadium	**18**		6.0	0.21	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1
Zinc	**7.2**	**B**	2.4	0.12	mg/Kg	☼	08/21/14 13:05	08/28/14 11:56	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.065**		0.038	0.013	mg/Kg	☼	08/27/14 09:14	08/27/14 13:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**86**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	ND		0.59	0.17	mg/Kg	☼	08/23/14 09:00	08/23/14 11:08	1

Client Sample ID: SSHS-B64-6-9 (9)

Lab Sample ID: 180-35818-48

Date Collected: 08/14/14 11:13

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 85.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		16	4.1	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Benzene	ND		4.1	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Bromoform	ND		4.1	0.36	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Bromomethane	ND		4.1	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
2-Butanone (MEK)	ND		4.1	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Carbon disulfide	ND		4.1	0.42	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Carbon tetrachloride	ND		4.1	0.36	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Chlorobenzene	ND		4.1	0.62	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Chlorobromomethane	ND		4.1	0.56	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Chlorodibromomethane	ND		4.1	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Chloroethane	ND		4.1	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Chloroform	ND		4.1	0.48	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Chloromethane	ND		4.1	0.69	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
cis-1,2-Dichloroethene	ND		4.1	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
cis-1,3-Dichloropropene	ND		4.1	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Cyclohexane	ND		4.1	0.30	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
1,2-Dibromo-3-Chloropropane	ND		4.1	0.61	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
1,2-Dibromoethane	ND		4.1	0.70	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
1,2-Dichlorobenzene	ND		4.1	0.65	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
1,3-Dichlorobenzene	ND		4.1	0.53	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
1,4-Dichlorobenzene	ND		4.1	0.52	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Dichlorobromomethane	ND		4.1	0.46	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Dichlorodifluoromethane	ND		4.1	0.54	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
1,1-Dichloroethane	ND		4.1	0.47	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
1,2-Dichloroethane	ND		4.1	0.50	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
1,1-Dichloroethene	ND		4.1	0.69	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
1,2-Dichloropropane	ND		4.1	0.44	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1

Client Sample ID: SSHS-B64-6-9 (9)
Lab Sample ID: 180-35818-48
Date Collected: 08/14/14 11:13
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		810	220	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Ethylbenzene	ND		4.1	0.52	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
2-Hexanone	ND		4.1	0.56	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Isopropylbenzene	ND		4.1	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Methyl acetate	ND		4.1	0.73	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Methylcyclohexane	ND		4.1	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Methylene Chloride	ND		4.1	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
4-Methyl-2-pentanone (MIBK)	ND		4.1	0.53	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Methyl tert-butyl ether	ND		4.1	0.61	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
m-Xylene & p-Xylene	ND		8.1	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
o-Xylene	ND		4.1	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Styrene	ND		4.1	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
1,1,2,2-Tetrachloroethane	ND		4.1	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Tetrachloroethene	ND		4.1	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Toluene	ND		4.1	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
trans-1,2-Dichloroethene	ND		4.1	0.48	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
trans-1,3-Dichloropropene	ND		4.1	0.49	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
1,2,3-Trichlorobenzene	ND		4.1	0.69	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
1,2,4-Trichlorobenzene	ND		4.1	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
1,1,1-Trichloroethane	ND		4.1	0.40	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
1,1,2-Trichloroethane	ND		4.1	0.68	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Trichloroethene	ND		4.1	0.53	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Trichlorofluoromethane	ND		4.1	0.75	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.1	0.87	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1
Vinyl chloride	ND		4.1	0.38	ug/Kg	☼	08/22/14 04:01	08/22/14 11:02	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 04:01*	*08/22/14 11:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 120*	*08/22/14 04:01*	*08/22/14 11:02*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/22/14 04:01*	*08/22/14 11:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*52 - 124*	*08/22/14 04:01*	*08/22/14 11:02*	*1*
Toluene-d8 (Surr)	*101*		*72 - 127*	*08/22/14 04:01*	*08/22/14 11:02*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Acenaphthylene	ND		78	8.9	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Acetophenone	ND		380	32	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Anthracene	**13**	**J**	78	7.6	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Atrazine	ND		380	38	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Benzaldehyde	ND		380	58	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Benzo[a]anthracene	**42**	**J**	78	9.7	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Benzo[a]pyrene	**29**	**J**	78	7.8	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Benzo[b]fluoranthene	**62**	**J**	78	12	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Benzo[g,h,i]perylene	ND		78	7.7	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Benzo[k]fluoranthene	ND		78	16	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
1,1'-Biphenyl	ND		380	35	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Bis(2-chloroethoxy)methane	ND		380	26	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1

Client Sample ID: SSHS-B64-6-9 (9)
Lab Sample ID: 180-35818-48
Date Collected: 08/14/14 11:13
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 85.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		78	10	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Bis(2-ethylhexyl) phthalate	ND		780	63	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
4-Bromophenyl phenyl ether	ND		380	34	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Butyl benzyl phthalate	ND		380	53	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Caprolactam	ND		2000	290	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Carbazole	ND		78	7.1	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
4-Chloroaniline	ND		380	31	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
4-Chloro-3-methylphenol	ND		380	36	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
2-Chloronaphthalene	ND		78	8.1	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
2-Chlorophenol	ND		380	32	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
4-Chlorophenyl phenyl ether	ND		380	43	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Chrysene	**130**		78	9.2	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Dibenz(a,h)anthracene	ND		78	8.6	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Dibenzofuran	ND		380	38	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
3,3'-Dichlorobenzidine	ND		380	41	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
2,4-Dichlorophenol	ND		78	7.8	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Diethyl phthalate	ND		380	42	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
2,4-Dimethylphenol	ND		380	61	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Dimethyl phthalate	ND		380	42	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Di-n-butyl phthalate	ND		380	49	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
2,4-Dinitrophenol	ND		2000	460	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
2,6-Dinitrotoluene	ND		380	40	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Di-n-octyl phthalate	ND		380	41	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
1,4-Dioxane	ND		780	44	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Fluoranthene	**65**	**J**	78	8.3	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Fluorene	ND		78	10	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Hexachlorobenzene	ND		78	8.3	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Hexachlorobutadiene	ND		78	8.7	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Hexachlorocyclopentadiene	ND		380	42	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Hexachloroethane	ND		380	28	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Indeno[1,2,3-cd]pyrene	**25**	**J**	78	8.0	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Isophorone	ND		380	29	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
2-Methylnaphthalene	**78**		78	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Methylphenol, 3 & 4	ND		380	38	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Naphthalene	**44**	**J**	78	6.7	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
2-Nitroaniline	ND		2000	170	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Nitrobenzene	ND		780	32	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
2-Nitrophenol	ND		380	43	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
4-Nitrophenol	ND		2000	140	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
N-Nitrosodi-n-propylamine	ND		78	9.1	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
N-Nitrosodiphenylamine	ND		380	36	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
2,2'-oxybis[1-chloropropane]	ND		78	8.4	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Pentachlorophenol	ND		380	35	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Phenanthrene	**170**		78	12	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1

Client Sample Results

Client Sample ID: SSHS-B64-6-9 (9)
Lab Sample ID: 180-35818-48
Date Collected: 08/14/14 11:13
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 85.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		78	9.2	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
Pyrene	**56**	**J**	78	7.8	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
2,3,4,6-Tetrachlorophenol	ND		380	25	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
2,4,5-Trichlorophenol	ND		380	41	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1
2,4,6-Trichlorophenol	ND		380	58	ug/Kg	☼	08/27/14 12:20	08/28/14 17:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Straight Chain Alkane	*210*	*T J*	*ug/Kg*	☼	*9.10*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*9.70*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*470*	*T J*	*ug/Kg*	☼	*10.00*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*10.34*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*10.40*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*10.45*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown Straight Chain Alkane	*320*	*T J*	*ug/Kg*	☼	*10.81*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*10.92*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*11.12*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*11.24*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown Straight Chain Alkane	*220*	*T J*	*ug/Kg*	☼	*11.69*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*12.17*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*12.69*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*310*	*T J*	*ug/Kg*	☼	*13.11*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*13.26*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown Straight Chain Alkane	*300*	*T J*	*ug/Kg*	☼	*13.87*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*14.52*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*15.19*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*15.90*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*16.20*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown Straight Chain Alkane	*280*	*T J*	*ug/Kg*	☼	*16.62*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*17.69*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*400*	*T J*	*ug/Kg*	☼	*18.08*		*08/27/14 12:20*	*08/28/14 17:06*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*19.00*		*08/27/14 12:20*	*08/28/14 17:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*35 - 105*	*08/27/14 12:20*	*08/28/14 17:06*	*1*
2-Fluorophenol (Surr)	*62*		*39 - 103*	*08/27/14 12:20*	*08/28/14 17:06*	*1*
Nitrobenzene-d5 (Surr)	*66*		*25 - 104*	*08/27/14 12:20*	*08/28/14 17:06*	*1*
Phenol-d5 (Surr)	*66*		*25 - 105*	*08/27/14 12:20*	*08/28/14 17:06*	*1*
Terphenyl-d14 (Surr)	*61*		*25 - 127*	*08/27/14 12:20*	*08/28/14 17:06*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*35 - 124*	*08/27/14 12:20*	*08/28/14 17:06*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
alpha-BHC	ND		2.0	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
alpha-Chlordane	ND		2.0	0.39	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
beta-BHC	ND		2.0	0.51	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
4,4'-DDD	ND		2.0	0.26	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
4,4'-DDE	ND		2.0	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
4,4'-DDT	ND		2.0	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B64-6-9 (9)

Date Collected: 08/14/14 11:13
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-48
Matrix: Solid
Percent Solids: 85.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	**0.79**	**J p**	2.0	0.30	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
Dieldrin	ND		2.0	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
Endosulfan I	ND		2.0	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
Endosulfan II	ND		2.0	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
Endosulfan sulfate	ND		2.0	0.20	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
Endrin	**0.53**	**J p**	2.0	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
Endrin aldehyde	ND		2.0	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
Endrin ketone	ND		2.0	0.30	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
gamma-BHC (Lindane)	ND		2.0	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
gamma-Chlordane	**2.0**		2.0	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
Heptachlor	ND		2.0	0.43	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
Heptachlor epoxide	**1.7**	**J p**	2.0	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
Methoxychlor	ND		3.9	0.41	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1
Toxaphene	ND		78	13	ug/Kg	☼	08/26/14 22:14	08/28/14 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 130*	*08/26/14 22:14*	*08/28/14 18:27*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 130*	*08/26/14 22:14*	*08/28/14 18:27*	*1*
Tetrachloro-m-xylene	*77*		*45 - 130*	*08/26/14 22:14*	*08/28/14 18:27*	*1*
Tetrachloro-m-xylene	*75*		*45 - 130*	*08/26/14 22:14*	*08/28/14 18:27*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.9	ug/Kg	☼	08/26/14 22:14	08/31/14 17:32	1
PCB-1221	ND		19	3.7	ug/Kg	☼	08/26/14 22:14	08/31/14 17:32	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/26/14 22:14	08/31/14 17:32	1
PCB-1242	ND		19	3.2	ug/Kg	☼	08/26/14 22:14	08/31/14 17:32	1
PCB-1248	**130**		19	1.8	ug/Kg	☼	08/26/14 22:14	08/31/14 17:32	1
PCB-1254	ND		19	2.8	ug/Kg	☼	08/26/14 22:14	08/31/14 17:32	1
PCB-1260	ND		19	2.8	ug/Kg	☼	08/26/14 22:14	08/31/14 17:32	1
PCB-1262	ND		19	4.3	ug/Kg	☼	08/26/14 22:14	08/31/14 17:32	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/26/14 22:14	08/31/14 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/26/14 22:14*	*08/31/14 17:32*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 125*	*08/26/14 22:14*	*08/31/14 18:03*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*45 - 135*	*08/26/14 22:14*	*08/31/14 17:32*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*45 - 135*	*08/26/14 22:14*	*08/31/14 18:03*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4800**		23	2.4	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Antimony	ND		1.1	0.23	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Arsenic	**8.7**		1.1	0.35	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Barium	**63**		23	0.015	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Beryllium	**0.54**		0.45	0.013	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Cadmium	**0.059**	**J**	0.57	0.016	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Calcium	**17000**		570	1.7	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Chromium	**9.1**		0.57	0.088	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Cobalt	**5.5**	**J**	5.7	0.047	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1

Client Sample ID: SSHS-B64-6-9 (9)

Lab Sample ID: 180-35818-48

Date Collected: 08/14/14 11:13
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 85.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	**36**		2.8	0.16	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Iron	**21000**		11	1.0	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Lead	**28**		1.1	0.12	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Magnesium	**2400**		570	2.3	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Manganese	**130**		1.7	0.10	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Nickel	**17**		4.5	0.054	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Potassium	**790**		570	7.3	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Selenium	**1.2**		1.1	0.30	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Silver	ND		0.57	0.046	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Sodium	**200**	**J**	570	1.2	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Vanadium	**16**		5.7	0.20	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1
Zinc	**30**	**B**	2.3	0.12	mg/Kg	☼	08/21/14 13:05	08/28/14 12:01	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**	**J**	0.038	0.013	mg/Kg	☼	08/27/14 09:14	08/27/14 13:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**86**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	**0.28**	**J**	0.58	0.17	mg/Kg	☼	08/23/14 09:00	08/23/14 11:08	1

Client Sample ID: SSHS-B64-10-12 (11)

Lab Sample ID: 180-35818-49

Date Collected: 08/14/14 11:20
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 86.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.2	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Benzene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Bromoform	ND		4.2	0.37	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Bromomethane	ND		4.2	0.62	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
2-Butanone (MEK)	ND		4.2	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Carbon disulfide	ND		4.2	0.43	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Carbon tetrachloride	ND		4.2	0.38	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Chlorobenzene	ND		4.2	0.64	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Chlorobromomethane	ND		4.2	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Chlorodibromomethane	ND		4.2	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Chloroethane	ND		4.2	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Chloroform	ND		4.2	0.49	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Chloromethane	ND		4.2	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
cis-1,2-Dichloroethene	ND		4.2	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
cis-1,3-Dichloropropene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Cyclohexane	ND		4.2	0.31	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
1,2-Dibromo-3-Chloropropane	ND		4.2	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
1,2-Dibromoethane	ND		4.2	0.73	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
1,2-Dichlorobenzene	ND		4.2	0.67	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
1,3-Dichlorobenzene	ND		4.2	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B64-10-12 (11) **Lab Sample ID: 180-35818-49**
Date Collected: 08/14/14 11:20 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 86.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		4.2	0.54	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Dichlorobromomethane	ND		4.2	0.47	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Dichlorodifluoromethane	ND		4.2	0.56	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
1,1-Dichloroethane	ND		4.2	0.48	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
1,2-Dichloroethane	ND		4.2	0.52	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
1,1-Dichloroethene	ND		4.2	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
1,2-Dichloropropane	ND		4.2	0.46	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
1,4-Dioxane	ND		840	230	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Ethylbenzene	ND		4.2	0.54	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
2-Hexanone	ND		4.2	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Isopropylbenzene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Methyl acetate	ND		4.2	0.76	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Methylcyclohexane	ND		4.2	0.61	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Methylene Chloride	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Methyl tert-butyl ether	ND		4.2	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
m-Xylene & p-Xylene	ND		8.4	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
o-Xylene	ND		4.2	0.66	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Styrene	ND		4.2	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.61	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Tetrachloroethene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Toluene	ND		4.2	0.61	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
trans-1,2-Dichloroethene	ND		4.2	0.50	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
trans-1,3-Dichloropropene	ND		4.2	0.50	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
1,2,3-Trichlorobenzene	ND		4.2	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
1,2,4-Trichlorobenzene	ND		4.2	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
1,1,1-Trichloroethane	ND		4.2	0.41	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
1,1,2-Trichloroethane	ND		4.2	0.70	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Trichloroethene	ND		4.2	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Trichlorofluoromethane	ND		4.2	0.77	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.90	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1
Vinyl chloride	ND		4.2	0.40	ug/Kg	☼	08/22/14 04:01	08/22/14 11:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 04:01*	*08/22/14 11:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 120*	*08/22/14 04:01*	*08/22/14 11:24*	*1*
Dibromofluoromethane (Surr)	*102*		*68 - 121*	*08/22/14 04:01*	*08/22/14 11:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*52 - 124*	*08/22/14 04:01*	*08/22/14 11:24*	*1*
Toluene-d8 (Surr)	*99*		*72 - 127*	*08/22/14 04:01*	*08/22/14 11:24*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Acenaphthylene	ND		78	8.9	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Acetophenone	ND		380	32	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Anthracene	ND		78	7.6	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Atrazine	ND		380	38	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Benzaldehyde	ND		380	58	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35818-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B64-10-12 (11)

Lab Sample ID: 180-35818-49

Date Collected: 08/14/14 11:20
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 86.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		78	9.7	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Benzo[a]pyrene	ND		78	7.8	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Benzo[b]fluoranthene	ND		78	12	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Benzo[g,h,i]perylene	ND		78	7.7	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Benzo[k]fluoranthene	ND		78	16	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
1,1'-Biphenyl	ND		380	35	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Bis(2-chloroethoxy)methane	ND		380	26	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Bis(2-chloroethyl)ether	ND		78	10	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Bis(2-ethylhexyl) phthalate	ND		780	63	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
4-Bromophenyl phenyl ether	ND		380	34	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Butyl benzyl phthalate	ND		380	53	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Caprolactam	ND		2000	290	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Carbazole	ND		78	7.1	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
4-Chloroaniline	ND		380	31	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
4-Chloro-3-methylphenol	ND		380	36	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
2-Chloronaphthalene	ND		78	8.1	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
2-Chlorophenol	ND		380	32	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
4-Chlorophenyl phenyl ether	ND		380	43	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Chrysene	ND		78	9.2	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Dibenz(a,h)anthracene	ND		78	8.6	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Dibenzofuran	ND		380	38	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
3,3'-Dichlorobenzidine	ND		380	41	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
2,4-Dichlorophenol	ND		78	7.8	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Diethyl phthalate	ND		380	42	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
2,4-Dimethylphenol	ND		380	61	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Dimethyl phthalate	ND		380	42	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Di-n-butyl phthalate	ND		380	49	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
2,4-Dinitrophenol	ND		2000	460	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
2,6-Dinitrotoluene	ND		380	40	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Di-n-octyl phthalate	ND		380	41	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
1,4-Dioxane	ND		780	44	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Fluoranthene	ND		78	8.3	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Fluorene	ND		78	10	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Hexachlorobenzene	ND		78	8.3	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Hexachlorobutadiene	ND		78	8.7	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Hexachlorocyclopentadiene	ND		380	42	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Hexachloroethane	ND		380	28	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Indeno[1,2,3-cd]pyrene	ND		78	8.0	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Isophorone	ND		380	29	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
2-Methylnaphthalene	ND		78	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Methylphenol, 3 & 4	ND		380	38	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Naphthalene	ND		78	6.7	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
2-Nitroaniline	ND		2000	170	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Nitrobenzene	ND		780	32	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1

Client Sample ID: SSHS-B64-10-12 (11)
Date Collected: 08/14/14 11:20
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-49
Matrix: Solid
Percent Solids: 86.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		380	43	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
4-Nitrophenol	ND		2000	140	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
N-Nitrosodi-n-propylamine	ND		78	9.1	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
N-Nitrosodiphenylamine	ND		380	36	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
2,2'-oxybis[1-chloropropane]	ND		78	8.4	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Pentachlorophenol	ND		380	35	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Phenanthrene	ND		78	12	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Phenol	ND		78	9.2	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
Pyrene	ND		78	7.8	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
2,3,4,6-Tetrachlorophenol	ND		380	25	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
2,4,5-Trichlorophenol	ND		380	41	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1
2,4,6-Trichlorophenol	ND		380	58	ug/Kg	☼	08/27/14 12:20	08/28/14 17:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*240*	*T J*	*ug/Kg*	☼	*5.92*		*08/27/14 12:20*	*08/28/14 17:34*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*10.45*		*08/27/14 12:20*	*08/28/14 17:34*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*13.11*		*08/27/14 12:20*	*08/28/14 17:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*08/27/14 12:20*	*08/28/14 17:34*	*1*
2-Fluorophenol (Surr)	*65*		*39 - 103*	*08/27/14 12:20*	*08/28/14 17:34*	*1*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/27/14 12:20*	*08/28/14 17:34*	*1*
Phenol-d5 (Surr)	*69*		*25 - 105*	*08/27/14 12:20*	*08/28/14 17:34*	*1*
Terphenyl-d14 (Surr)	*70*		*25 - 127*	*08/27/14 12:20*	*08/28/14 17:34*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*35 - 124*	*08/27/14 12:20*	*08/28/14 17:34*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
alpha-BHC	ND		2.0	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
alpha-Chlordane	ND		2.0	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
beta-BHC	ND		2.0	0.50	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
4,4'-DDD	ND		2.0	0.25	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
4,4'-DDE	ND		2.0	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
4,4'-DDT	ND		2.0	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
delta-BHC	ND		2.0	0.30	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
Dieldrin	ND		2.0	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
Endosulfan I	ND		2.0	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
Endosulfan II	ND		2.0	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
Endosulfan sulfate	ND		2.0	0.20	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
Endrin	ND		2.0	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
Endrin aldehyde	ND		2.0	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
Endrin ketone	ND		2.0	0.30	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
gamma-BHC (Lindane)	ND		2.0	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
gamma-Chlordane	ND		2.0	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
Heptachlor	ND		2.0	0.43	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
Heptachlor epoxide	ND		2.0	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
Methoxychlor	ND		3.8	0.40	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1
Toxaphene	ND		78	13	ug/Kg	☼	08/26/14 22:14	08/28/14 18:42	1

Client Sample Results

Client Sample ID: SSHS-B64-10-12 (11)

Lab Sample ID: 180-35818-49

Date Collected: 08/14/14 11:20
Date Received: 08/15/14 09:10
Matrix: Solid
Percent Solids: 86.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*64*		*45 - 130*	*08/26/14 22:14*	*08/28/14 18:42*	*1*
DCB Decachlorobiphenyl (Surr)	*63*		*45 - 130*	*08/26/14 22:14*	*08/28/14 18:42*	*1*
Tetrachloro-m-xylene	*60*		*45 - 130*	*08/26/14 22:14*	*08/28/14 18:42*	*1*
Tetrachloro-m-xylene	*57*		*45 - 130*	*08/26/14 22:14*	*08/28/14 18:42*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.9	ug/Kg	☼	08/26/14 22:14	08/31/14 18:03	1
PCB-1221	ND		19	3.7	ug/Kg	☼	08/26/14 22:14	08/31/14 18:03	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/26/14 22:14	08/31/14 18:03	1
PCB-1242	ND		19	3.2	ug/Kg	☼	08/26/14 22:14	08/31/14 18:03	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/26/14 22:14	08/31/14 18:03	1
PCB-1254	ND		19	2.8	ug/Kg	☼	08/26/14 22:14	08/31/14 18:03	1
PCB-1260	ND		19	2.8	ug/Kg	☼	08/26/14 22:14	08/31/14 18:03	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/26/14 22:14	08/31/14 18:03	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/26/14 22:14	08/31/14 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*62*		*45 - 125*	*08/26/14 22:14*	*08/31/14 18:03*	*1*
DCB Decachlorobiphenyl (Surr)	*61*		*45 - 125*	*08/26/14 22:14*	*08/31/14 18:35*	*1*
Tetrachloro-m-xylene (Surr)	*55*		*45 - 135*	*08/26/14 22:14*	*08/31/14 18:03*	*1*
Tetrachloro-m-xylene (Surr)	*56*		*45 - 135*	*08/26/14 22:14*	*08/31/14 18:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		24	2.5	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Antimony	ND		1.2	0.24	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Arsenic	**9.0**		1.2	0.37	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Barium	**72**		24	0.016	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Beryllium	**0.55**		0.48	0.014	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Cadmium	**0.062**	**J**	0.61	0.017	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Calcium	**5200**		610	1.8	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Chromium	**14**		0.61	0.093	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Cobalt	**9.8**		6.1	0.051	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Copper	**15**		3.0	0.17	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Iron	**23000**		12	1.1	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Lead	**12**		1.2	0.12	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Magnesium	**4000**		610	2.5	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Manganese	**440**		1.8	0.11	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Nickel	**19**		4.8	0.058	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Potassium	**1700**		610	7.7	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Selenium	**0.56**	**J**	1.2	0.32	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Silver	ND		0.61	0.049	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Sodium	**88**	**J**	610	1.3	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Thallium	ND		2.4	0.18	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Vanadium	**18**		6.1	0.21	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1
Zinc	**56**	**B**	2.4	0.12	mg/Kg	☼	08/21/14 13:05	08/28/14 12:06	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.017**	**J**	0.038	0.012	mg/Kg	☼	08/27/14 09:14	08/27/14 13:58	1

Client Sample Results

Client Sample ID: SSHS-B64-10-12 (11)

Lab Sample ID: 180-35818-49

Date Collected: 08/14/14 11:20
Matrix: Solid
Date Received: 08/15/14 09:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**86**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	ND		0.56	0.17	mg/Kg	☼	08/23/14 09:00	08/23/14 11:08	1

Client Sample ID: SSHS-B101-0.17-2 (1)

Lab Sample ID: 180-35818-50

Date Collected: 08/14/14 11:37
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 92.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		16	4.0	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Benzene	ND		4.0	0.54	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Bromoform	ND		4.0	0.36	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Bromomethane	ND		4.0	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
2-Butanone (MEK)	ND		4.0	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Carbon disulfide	ND		4.0	0.41	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Carbon tetrachloride	ND		4.0	0.36	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Chlorobenzene	ND		4.0	0.61	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Chlorobromomethane	ND		4.0	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Chlorodibromomethane	ND		4.0	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Chloroethane	ND		4.0	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Chloroform	ND		4.0	0.47	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Chloromethane	ND		4.0	0.69	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
cis-1,2-Dichloroethene	ND		4.0	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
cis-1,3-Dichloropropene	ND		4.0	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Cyclohexane	ND		4.0	0.30	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
1,2-Dibromo-3-Chloropropane	ND		4.0	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
1,2-Dibromoethane	ND		4.0	0.69	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
1,2-Dichlorobenzene	ND		4.0	0.64	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
1,3-Dichlorobenzene	ND		4.0	0.53	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
1,4-Dichlorobenzene	ND		4.0	0.51	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Dichlorobromomethane	ND		4.0	0.45	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Dichlorodifluoromethane	ND		4.0	0.54	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
1,1-Dichloroethane	ND		4.0	0.46	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
1,2-Dichloroethane	ND		4.0	0.49	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
1,1-Dichloroethene	ND		4.0	0.68	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
1,2-Dichloropropane	ND		4.0	0.44	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
1,4-Dioxane	ND		810	220	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Ethylbenzene	ND		4.0	0.52	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
2-Hexanone	ND		4.0	0.56	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Isopropylbenzene	ND		4.0	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Methyl acetate	ND		4.0	0.73	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Methylcyclohexane	ND		4.0	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Methylene Chloride	ND		4.0	0.54	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
4-Methyl-2-pentanone (MIBK)	ND		4.0	0.53	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Methyl tert-butyl ether	ND		4.0	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
m-Xylene & p-Xylene	ND		8.1	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
o-Xylene	ND		4.0	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Styrene	ND		4.0	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
1,1,2,2-Tetrachloroethane	ND		4.0	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1

Client Sample ID: SSHS-B101-0.17-2 (1)
Lab Sample ID: 180-35818-50
Date Collected: 08/14/14 11:37
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 92.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		4.0	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Toluene	ND		4.0	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
trans-1,2-Dichloroethene	ND		4.0	0.48	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
trans-1,3-Dichloropropene	ND		4.0	0.48	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
1,2,3-Trichlorobenzene	ND		4.0	0.68	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
1,2,4-Trichlorobenzene	ND		4.0	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
1,1,1-Trichloroethane	ND		4.0	0.39	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
1,1,2-Trichloroethane	ND		4.0	0.67	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Trichloroethene	**0.94**	**J**	4.0	0.53	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Trichlorofluoromethane	ND		4.0	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	0.86	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1
Vinyl chloride	ND		4.0	0.38	ug/Kg	☼	08/22/14 04:01	08/22/14 11:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 04:01*	*08/22/14 11:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/22/14 04:01*	*08/22/14 11:46*	*1*
Dibromofluoromethane (Surr)	*111*		*68 - 121*	*08/22/14 04:01*	*08/22/14 11:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*52 - 124*	*08/22/14 04:01*	*08/22/14 11:46*	*1*
Toluene-d8 (Surr)	*108*		*72 - 127*	*08/22/14 04:01*	*08/22/14 11:46*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	6.9	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Acenaphthylene	ND		72	8.2	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Acetophenone	ND		350	29	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Anthracene	ND		72	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Atrazine	ND		350	35	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Benzo[a]anthracene	ND		72	8.9	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Benzo[a]pyrene	ND		72	7.1	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Benzo[b]fluoranthene	ND		72	11	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Benzo[g,h,i]perylene	ND		72	7.1	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Benzo[k]fluoranthene	ND		72	14	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Bis(2-chloroethyl)ether	ND		72	9.6	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Butyl benzyl phthalate	ND		350	49	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Carbazole	ND		72	6.6	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
4-Chloroaniline	ND		350	29	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
2-Chloronaphthalene	ND		72	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
4-Chlorophenyl phenyl ether	ND		350	40	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Chrysene	ND		72	8.5	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Dibenz(a,h)anthracene	ND		72	7.9	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B101-0.17-2 (1)

Date Collected: 08/14/14 11:37
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-50
Matrix: Solid
Percent Solids: 92.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		350	35	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
3,3'-Dichlorobenzidine	ND		350	38	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
2,4-Dimethylphenol	ND		350	56	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Di-n-butyl phthalate	ND		350	45	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Di-n-octyl phthalate	ND		350	38	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Fluoranthene	**28**	**J**	72	7.6	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Fluorene	ND		72	9.4	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Hexachlorobenzene	ND		72	7.6	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Hexachloroethane	ND		350	26	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Indeno[1,2,3-cd]pyrene	ND		72	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Isophorone	ND		350	27	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
2-Methylnaphthalene	**29**	**J**	72	6.4	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Naphthalene	**18**	**J**	72	6.2	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
2,2'-oxybis[1-chloropropane]	ND		72	7.7	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Phenanthrene	**36**	**J**	72	11	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Phenol	ND		72	8.4	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
Pyrene	**22**	**J**	72	7.2	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/27/14 12:20	08/28/14 18:02	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Substituted Biphenyl	*530*	*T J*	*ug/Kg*	☼	*10.90*		*08/27/14 12:20*	*08/28/14 18:02*	*1*
Unknown Substituted Biphenyl	*400*	*T J*	*ug/Kg*	☼	*11.19*		*08/27/14 12:20*	*08/28/14 18:02*	*1*
Unknown Substituted Biphenyl	*310*	*T J*	*ug/Kg*	☼	*11.23*		*08/27/14 12:20*	*08/28/14 18:02*	*1*
Unknown Substituted Biphenyl	*360*	*T J*	*ug/Kg*	☼	*11.38*		*08/27/14 12:20*	*08/28/14 18:02*	*1*
Unknown Substituted Biphenyl	*250*	*T J*	*ug/Kg*	☼	*11.51*		*08/27/14 12:20*	*08/28/14 18:02*	*1*
Unknown Substituted Biphenyl	*250*	*T J*	*ug/Kg*	☼	*11.73*		*08/27/14 12:20*	*08/28/14 18:02*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B101-0.17-2 (1)
Date Collected: 08/14/14 11:37
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-50
Matrix: Solid
Percent Solids: 92.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Substituted Biphenyl	*560*	*T J*	*ug/Kg*	☼	*11.77*		*08/27/14 12:20*	*08/28/14 18:02*	*1*
Unknown Substituted Biphenyl	*640*	*T J*	*ug/Kg*	☼	*11.80*		*08/27/14 12:20*	*08/28/14 18:02*	*1*
Unknown Substituted Biphenyl	*440*	*T J*	*ug/Kg*	☼	*11.98*		*08/27/14 12:20*	*08/28/14 18:02*	*1*
Unknown Substituted Biphenyl	*280*	*T J*	*ug/Kg*	☼	*12.02*		*08/27/14 12:20*	*08/28/14 18:02*	*1*
Unknown Substituted Biphenyl	*150*	*T J*	*ug/Kg*	☼	*12.07*		*08/27/14 12:20*	*08/28/14 18:02*	*1*
Unknown Substituted Biphenyl	*150*	*T J*	*ug/Kg*	☼	*12.32*		*08/27/14 12:20*	*08/28/14 18:02*	*1*
Unknown Substituted Biphenyl	*220*	*T J*	*ug/Kg*	☼	*12.73*		*08/27/14 12:20*	*08/28/14 18:02*	*1*
Unknown Substituted Biphenyl	*170*	*T J*	*ug/Kg*	☼	*13.06*		*08/27/14 12:20*	*08/28/14 18:02*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*13.09*		*08/27/14 12:20*	*08/28/14 18:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*08/27/14 12:20*	*08/28/14 18:02*	*1*
2-Fluorophenol (Surr)	*61*		*39 - 103*	*08/27/14 12:20*	*08/28/14 18:02*	*1*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/27/14 12:20*	*08/28/14 18:02*	*1*
Phenol-d5 (Surr)	*65*		*25 - 105*	*08/27/14 12:20*	*08/28/14 18:02*	*1*
Terphenyl-d14 (Surr)	*64*		*25 - 127*	*08/27/14 12:20*	*08/28/14 18:02*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*35 - 124*	*08/27/14 12:20*	*08/28/14 18:02*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**44**	**p**	1.8	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
alpha-Chlordane	**2.3**	**p**	1.8	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
beta-BHC	**6.0**	**p**	1.8	0.47	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
4,4'-DDD	**2.6**	**p**	1.8	0.23	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
4,4'-DDT	**97**		1.8	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
Dieldrin	**7.2**		1.8	0.30	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
Endosulfan I	**13**		1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
Endosulfan II	**1.2**	**J p**	1.8	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
Endosulfan sulfate	**7.0**	**p**	1.8	0.19	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
Endrin	**42**	**p**	1.8	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
Endrin aldehyde	**7.8**		1.8	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
Endrin ketone	**6.1**	**p**	1.8	0.28	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
gamma-BHC (Lindane)	ND		1.8	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
gamma-Chlordane	**180**		1.8	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
Heptachlor	**14**	**p**	1.8	0.40	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
Heptachlor epoxide	**130**	**p**	1.8	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
Methoxychlor	**42**	**p**	3.6	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1
Toxaphene	ND		72	12	ug/Kg	☼	08/26/14 22:14	08/28/14 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*59*		*45 - 130*	*08/26/14 22:14*	*08/28/14 18:58*	*1*
DCB Decachlorobiphenyl (Surr)	*59*		*45 - 130*	*08/26/14 22:14*	*08/28/14 18:58*	*1*
Tetrachloro-m-xylene	*61*		*45 - 130*	*08/26/14 22:14*	*08/28/14 18:58*	*1*
Tetrachloro-m-xylene	*58*		*45 - 130*	*08/26/14 22:14*	*08/28/14 18:58*	*1*

Client Sample ID: SSHS-B101-0.17-2 (1)
Lab Sample ID: 180-35818-50
Date Collected: 08/14/14 11:37
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 92.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		180	27	ug/Kg	☼	08/26/14 22:14	09/02/14 15:06	10
PCB-1221	ND		180	34	ug/Kg	☼	08/26/14 22:14	09/02/14 15:06	10
PCB-1232	ND		180	31	ug/Kg	☼	08/26/14 22:14	09/02/14 15:06	10
PCB-1242	ND		180	29	ug/Kg	☼	08/26/14 22:14	09/02/14 15:06	10
PCB-1248	**13000**		180	17	ug/Kg	☼	08/26/14 22:14	09/02/14 15:06	10
PCB-1254	ND		180	26	ug/Kg	☼	08/26/14 22:14	09/02/14 15:06	10
PCB-1260	**750**		180	26	ug/Kg	☼	08/26/14 22:14	09/02/14 15:06	10
PCB-1262	ND		180	39	ug/Kg	☼	08/26/14 22:14	09/02/14 15:06	10
PCB-1268	ND		180	23	ug/Kg	☼	08/26/14 22:14	09/02/14 15:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/26/14 22:14*	*09/02/14 15:06*	*10*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/26/14 22:14*	*09/02/14 15:38*	*10*
Tetrachloro-m-xylene (Surr)	*72*		*45 - 135*	*08/26/14 22:14*	*09/02/14 15:06*	*10*
Tetrachloro-m-xylene (Surr)	*74*		*45 - 135*	*08/26/14 22:14*	*09/02/14 15:38*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7900**		21	2.2	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Antimony	ND		1.1	0.21	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Arsenic	**12**		1.1	0.32	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Barium	**82**		21	0.014	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Beryllium	**0.38**	**J**	0.42	0.012	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Cadmium	**0.12**	**J**	0.53	0.015	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Calcium	**16000**		530	1.6	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Chromium	**12**		0.53	0.081	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Cobalt	**7.7**		5.3	0.044	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Copper	**63**		2.6	0.15	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Iron	**21000**		11	0.94	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Lead	**54**		1.1	0.11	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Magnesium	**3900**		530	2.2	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Manganese	**540**		1.6	0.094	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Nickel	**47**		4.2	0.050	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Potassium	**750**		530	6.7	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Selenium	**0.54**	**J**	1.1	0.28	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Silver	ND		0.53	0.043	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Sodium	**92**	**J**	530	1.1	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Thallium	**0.17**	**J**	2.1	0.15	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Vanadium	**13**		5.3	0.18	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1
Zinc	**110**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:05	08/28/14 12:11	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**	**J**	0.035	0.012	mg/Kg	☼	08/27/14 09:14	08/27/14 13:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.1**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**93**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	ND		0.52	0.15	mg/Kg	☼	08/23/14 09:00	08/23/14 11:08	1

Client Sample ID: SSHS-B101-3-6 (4)

Lab Sample ID: 180-35818-51

Date Collected: 08/14/14 11:46
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 82.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	7.3	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Benzene	ND		7.3	0.98	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Bromoform	ND		7.3	0.64	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Bromomethane	ND		7.3	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
2-Butanone (MEK)	ND		7.3	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Carbon disulfide	ND		7.3	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Carbon tetrachloride	ND		7.3	0.65	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Chlorobenzene	ND		7.3	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Chlorobromomethane	ND		7.3	1.0	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Chlorodibromomethane	ND		7.3	1.0	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Chloroethane	ND		7.3	2.3	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Chloroform	ND		7.3	0.85	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Chloromethane	ND		7.3	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
cis-1,2-Dichloroethene	ND		7.3	1.0	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
cis-1,3-Dichloropropene	ND		7.3	0.99	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Cyclohexane	ND		7.3	0.54	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
1,2-Dibromo-3-Chloropropane	ND		7.3	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
1,2-Dibromoethane	ND		7.3	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
1,2-Dichlorobenzene	ND		7.3	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
1,3-Dichlorobenzene	ND		7.3	0.95	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
1,4-Dichlorobenzene	ND		7.3	0.93	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Dichlorobromomethane	ND		7.3	0.82	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Dichlorodifluoromethane	ND		7.3	0.97	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
1,1-Dichloroethane	ND		7.3	0.84	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
1,2-Dichloroethane	ND		7.3	0.89	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
1,1-Dichloroethene	ND		7.3	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
1,2-Dichloropropane	ND		7.3	0.79	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
1,4-Dioxane	ND		1500	400	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Ethylbenzene	ND		7.3	0.93	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
2-Hexanone	ND		7.3	1.0	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Isopropylbenzene	ND		7.3	0.99	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Methyl acetate	ND		7.3	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Methylcyclohexane	ND		7.3	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Methylene Chloride	ND		7.3	0.98	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
4-Methyl-2-pentanone (MIBK)	ND		7.3	0.95	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Methyl tert-butyl ether	ND		7.3	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
m-Xylene & p-Xylene	ND		15	2.1	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
o-Xylene	ND		7.3	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Styrene	ND		7.3	1.0	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
1,1,2,2-Tetrachloroethane	ND		7.3	1.0	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Tetrachloroethene	ND		7.3	0.99	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Toluene	ND		7.3	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
trans-1,2-Dichloroethene	ND		7.3	0.87	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
trans-1,3-Dichloropropene	ND		7.3	0.87	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
1,2,3-Trichlorobenzene	ND		7.3	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
1,2,4-Trichlorobenzene	ND		7.3	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
1,1,1-Trichloroethane	ND		7.3	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
1,1,2-Trichloroethane	ND		7.3	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Trichloroethene	**3.4**	**J**	7.3	0.96	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1

Client Sample ID: SSHS-B101-3-6 (4)
Date Collected: 08/14/14 11:46
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-51
Matrix: Solid
Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		7.3	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.3	1.6	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1
Vinyl chloride	ND		7.3	0.68	ug/Kg	☼	08/22/14 04:01	08/22/14 12:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 04:01*	*08/22/14 12:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*63 - 120*	*08/22/14 04:01*	*08/22/14 12:08*	*1*
Dibromofluoromethane (Surr)	*113*		*68 - 121*	*08/22/14 04:01*	*08/22/14 12:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*52 - 124*	*08/22/14 04:01*	*08/22/14 12:08*	*1*
Toluene-d8 (Surr)	*112*		*72 - 127*	*08/22/14 04:01*	*08/22/14 12:08*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		82	7.8	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Acenaphthylene	ND		82	9.3	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Acetophenone	**94**	**J**	400	33	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Anthracene	**33**	**J**	82	8.0	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Atrazine	ND		400	40	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Benzaldehyde	**140**	**J**	400	61	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Benzo[a]anthracene	**110**		82	10	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Benzo[a]pyrene	**84**		82	8.1	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Benzo[b]fluoranthene	**150**		82	13	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Benzo[g,h,i]perylene	**140**		82	8.1	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Benzo[k]fluoranthene	**37**	**J**	82	16	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
1,1'-Biphenyl	**45**	**J**	400	36	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Bis(2-chloroethoxy)methane	ND		400	27	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Bis(2-chloroethyl)ether	ND		82	11	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Bis(2-ethylhexyl) phthalate	ND		820	66	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
4-Bromophenyl phenyl ether	ND		400	35	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Butyl benzyl phthalate	ND		400	56	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Caprolactam	ND		2100	310	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Carbazole	ND		82	7.5	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
4-Chloroaniline	ND		400	33	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
4-Chloro-3-methylphenol	ND		400	37	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
2-Chloronaphthalene	ND		82	8.5	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
2-Chlorophenol	ND		400	33	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
4-Chlorophenyl phenyl ether	ND		400	45	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Chrysene	**310**		82	9.7	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Dibenz(a,h)anthracene	**41**	**J**	82	9.0	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Dibenzofuran	**130**	**J**	400	40	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
3,3'-Dichlorobenzidine	ND		400	43	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
2,4-Dichlorophenol	ND		82	8.2	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Diethyl phthalate	ND		400	44	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
2,4-Dimethylphenol	ND		400	64	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Dimethyl phthalate	ND		400	44	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Di-n-butyl phthalate	ND		400	51	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
4,6-Dinitro-2-methylphenol	ND		2100	160	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
2,4-Dinitrophenol	ND		2100	480	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1

Client Sample ID: SSHS-B101-3-6 (4)

Date Collected: 08/14/14 11:46
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-51

Matrix: Solid
Percent Solids: 82.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		400	33	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
2,6-Dinitrotoluene	ND		400	42	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Di-n-octyl phthalate	ND		400	43	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
1,4-Dioxane	ND		820	47	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Fluoranthene	**160**		82	8.7	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Fluorene	ND		82	11	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Hexachlorobenzene	ND		82	8.7	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Hexachlorobutadiene	ND		82	9.1	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Hexachlorocyclopentadiene	ND		400	44	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Hexachloroethane	ND		400	29	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Indeno[1,2,3-cd]pyrene	**65**	**J**	82	8.4	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Isophorone	ND		400	31	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
2-Methylnaphthalene	**370**		82	7.3	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
2-Methylphenol	ND		400	28	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Methylphenol, 3 & 4	ND		400	40	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Naphthalene	**140**		82	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
2-Nitroaniline	ND		2100	180	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
3-Nitroaniline	ND		2100	170	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
4-Nitroaniline	ND		2100	160	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Nitrobenzene	ND		820	34	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
2-Nitrophenol	ND		400	45	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
4-Nitrophenol	ND		2100	150	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
N-Nitrosodi-n-propylamine	ND		82	9.5	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
N-Nitrosodiphenylamine	ND		400	38	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
2,2'-oxybis[1-chloropropane]	ND		82	8.8	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Pentachlorophenol	ND		400	36	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Phenanthrene	**770**		82	13	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Phenol	ND		82	9.6	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
Pyrene	**140**		82	8.2	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
1,2,4,5-Tetrachlorobenzene	ND		400	31	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
2,3,4,6-Tetrachlorophenol	ND		400	26	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
2,4,5-Trichlorophenol	ND		400	43	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1
2,4,6-Trichlorophenol	ND		400	61	ug/Kg	☼	08/27/14 12:20	08/28/14 18:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*430*	*T J*	*ug/Kg*	☼	*6.90*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Dodecane	*430*	*T J N*	*ug/Kg*	☼	*7.53*	*112-40-3*	*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown	*470*	*T J*	*ug/Kg*	☼	*7.93*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown Straight Chain Alkane	*550*	*T J*	*ug/Kg*	☼	*8.09*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown	*620*	*T J*	*ug/Kg*	☼	*8.32*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown Substituted Naphthalene	*620*	*T J*	*ug/Kg*	☼	*8.88*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown	*610*	*T J*	*ug/Kg*	☼	*8.90*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown Substituted Naphthalene	*490*	*T J*	*ug/Kg*	☼	*8.98*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown Straight Chain Alkane	*520*	*T J*	*ug/Kg*	☼	*9.10*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown	*490*	*T J*	*ug/Kg*	☼	*9.42*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*9.56*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown	*460*	*T J*	*ug/Kg*	☼	*9.70*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown	*500*	*T J*	*ug/Kg*	☼	*9.76*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown	*430*	*T J*	*ug/Kg*	☼	*9.85*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown	*1600*	*T J*	*ug/Kg*	☼	*10.01*		*08/27/14 12:20*	*08/28/14 18:30*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B101-3-6 (4)

Date Collected: 08/14/14 11:46
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-51
Matrix: Solid
Percent Solids: 82.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*680*	*T J*	*ug/Kg*	☼	*10.33*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown Straight Chain Alkane	*770*	*T J*	*ug/Kg*	☼	*10.40*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown	*520*	*T J*	*ug/Kg*	☼	*10.43*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown	*940*	*T J*	*ug/Kg*	☼	*10.81*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown	*660*	*T J*	*ug/Kg*	☼	*11.13*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown PAH	*530*	*T J*	*ug/Kg*	☼	*11.22*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown Straight Chain Alkane	*830*	*T J*	*ug/Kg*	☼	*11.24*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown PAH	*440*	*T J*	*ug/Kg*	☼	*11.73*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown	*580*	*T J*	*ug/Kg*	☼	*12.17*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown	*720*	*T J*	*ug/Kg*	☼	*12.69*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown	*450*	*T J*	*ug/Kg*	☼	*13.87*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown	*560*	*T J*	*ug/Kg*	☼	*14.51*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown	*500*	*T J*	*ug/Kg*	☼	*15.20*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown Straight Chain Alkane	*620*	*T J*	*ug/Kg*	☼	*15.90*		*08/27/14 12:20*	*08/28/14 18:30*	*1*
Unknown	*420*	*T J*	*ug/Kg*	☼	*16.63*		*08/27/14 12:20*	*08/28/14 18:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*08/27/14 12:20*	*08/28/14 18:30*	*1*
2-Fluorophenol (Surr)	*63*		*39 - 103*	*08/27/14 12:20*	*08/28/14 18:30*	*1*
Nitrobenzene-d5 (Surr)	*72*		*25 - 104*	*08/27/14 12:20*	*08/28/14 18:30*	*1*
Phenol-d5 (Surr)	*67*		*25 - 105*	*08/27/14 12:20*	*08/28/14 18:30*	*1*
Terphenyl-d14 (Surr)	*63*		*25 - 127*	*08/27/14 12:20*	*08/28/14 18:30*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*35 - 124*	*08/27/14 12:20*	*08/28/14 18:30*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.1	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
alpha-BHC	ND		2.1	0.33	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
alpha-Chlordane	ND		2.1	0.40	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
beta-BHC	ND		2.1	0.53	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
4,4'-DDD	ND		2.1	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
4,4'-DDE	ND		2.1	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
4,4'-DDT	ND		2.1	0.30	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
delta-BHC	ND		2.1	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
Dieldrin	ND		2.1	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
Endosulfan I	ND		2.1	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
Endosulfan II	ND		2.1	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
Endosulfan sulfate	ND		2.1	0.21	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
Endrin	ND		2.1	0.39	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
Endrin aldehyde	ND		2.1	0.39	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
Endrin ketone	ND		2.1	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
gamma-BHC (Lindane)	ND		2.1	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
gamma-Chlordane	ND		2.1	0.40	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
Heptachlor	**1.1**	**J**	2.1	0.45	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
Heptachlor epoxide	ND		2.1	0.40	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
Methoxychlor	ND		4.0	0.42	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1
Toxaphene	ND		82	14	ug/Kg	☼	08/26/14 22:14	08/28/14 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 130*	*08/26/14 22:14*	*08/28/14 19:13*	*1*

Client Sample Results

Client Sample ID: SSHS-B101-3-6 (4)
Date Collected: 08/14/14 11:46
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-51
Matrix: Solid
Percent Solids: 82.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 130*	*08/26/14 22:14*	*08/28/14 19:13*	*1*
Tetrachloro-m-xylene	*70*		*45 - 130*	*08/26/14 22:14*	*08/28/14 19:13*	*1*
Tetrachloro-m-xylene	*66*		*45 - 130*	*08/26/14 22:14*	*08/28/14 19:13*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	3.0	ug/Kg	☼	08/26/14 22:14	08/31/14 19:06	1
PCB-1221	ND		20	3.9	ug/Kg	☼	08/26/14 22:14	08/31/14 19:06	1
PCB-1232	ND		20	3.5	ug/Kg	☼	08/26/14 22:14	08/31/14 19:06	1
PCB-1242	ND		20	3.3	ug/Kg	☼	08/26/14 22:14	08/31/14 19:06	1
PCB-1248	ND		20	1.9	ug/Kg	☼	08/26/14 22:14	08/31/14 19:06	1
PCB-1254	ND		20	2.9	ug/Kg	☼	08/26/14 22:14	08/31/14 19:06	1
PCB-1260	ND		20	2.9	ug/Kg	☼	08/26/14 22:14	08/31/14 19:06	1
PCB-1262	ND		20	4.4	ug/Kg	☼	08/26/14 22:14	08/31/14 19:06	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/26/14 22:14	08/31/14 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 125*	*08/26/14 22:14*	*08/31/14 19:06*	*1*
DCB Decachlorobiphenyl (Surr)	*65*		*45 - 125*	*08/26/14 22:14*	*08/31/14 19:38*	*1*
Tetrachloro-m-xylene (Surr)	*65*		*45 - 135*	*08/26/14 22:14*	*08/31/14 19:06*	*1*
Tetrachloro-m-xylene (Surr)	*65*		*45 - 135*	*08/26/14 22:14*	*08/31/14 19:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3500**		26	2.7	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Antimony	**2.7**		1.3	0.26	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Arsenic	**17**		1.3	0.39	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Barium	**140**		26	0.016	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Beryllium	**0.92**		0.51	0.014	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Cadmium	**0.069**	**J**	0.64	0.018	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Calcium	**2000**		640	1.9	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Chromium	**9.3**		0.64	0.099	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Cobalt	**7.2**		6.4	0.054	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Copper	**70**		3.2	0.18	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Iron	**29000**		13	1.1	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Lead	**120**		1.3	0.13	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Magnesium	**850**		640	2.6	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Manganese	**180**		1.9	0.11	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Nickel	**16**		5.1	0.061	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Potassium	**440**	**J**	640	8.2	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Selenium	**1.8**		1.3	0.34	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Silver	ND		0.64	0.052	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Sodium	**180**	**J**	640	1.4	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Thallium	ND		2.6	0.19	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Vanadium	**18**		6.4	0.22	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1
Zinc	**68**	**B**	2.6	0.13	mg/Kg	☼	08/21/14 13:05	08/28/14 12:17	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.13**		0.040	0.013	mg/Kg	☼	08/27/14 09:14	08/27/14 14:01	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B101-3-6 (4)

Lab Sample ID: 180-35818-51

Date Collected: 08/14/14 11:46
Matrix: Solid
Date Received: 08/15/14 09:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**82**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	**0.38**	**J**	0.62	0.18	mg/Kg	☼	08/23/14 09:00	08/23/14 11:15	1

Client Sample ID: SSHS-B101-8-10 (9)

Lab Sample ID: 180-35818-52

Date Collected: 08/14/14 11:58
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 81.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		42	11	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Benzene	ND		11	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Bromoform	ND		11	0.93	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Bromomethane	ND		11	1.6	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
2-Butanone (MEK)	ND		11	1.9	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Carbon disulfide	ND		11	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Carbon tetrachloride	ND		11	0.94	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Chlorobenzene	ND		11	1.6	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Chlorobromomethane	ND		11	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Chlorodibromomethane	ND		11	1.5	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Chloroethane	ND		11	3.3	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Chloroform	ND		11	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Chloromethane	ND		11	1.8	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
cis-1,2-Dichloroethene	ND		11	1.5	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
cis-1,3-Dichloropropene	ND		11	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Cyclohexane	ND		11	0.78	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
1,2-Dibromo-3-Chloropropane	ND		11	1.6	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
1,2-Dibromoethane	ND		11	1.8	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
1,2-Dichlorobenzene	ND		11	1.7	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
1,3-Dichlorobenzene	ND		11	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
1,4-Dichlorobenzene	ND		11	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Dichlorobromomethane	ND		11	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Dichlorodifluoromethane	ND		11	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
1,1-Dichloroethane	ND		11	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
1,2-Dichloroethane	ND		11	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
1,1-Dichloroethene	ND		11	1.8	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
1,2-Dichloropropane	ND		11	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
1,4-Dioxane	ND		2100	580	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Ethylbenzene	ND		11	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
2-Hexanone	ND		11	1.5	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Isopropylbenzene	ND		11	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Methyl acetate	ND		11	1.9	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Methylcyclohexane	ND		11	1.5	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Methylene Chloride	ND		11	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
4-Methyl-2-pentanone (MIBK)	ND		11	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Methyl tert-butyl ether	ND		11	1.6	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
m-Xylene & p-Xylene	ND		21	3.1	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
o-Xylene	ND		11	1.6	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Styrene	ND		11	1.5	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
1,1,2,2-Tetrachloroethane	ND		11	1.5	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1

Client Sample ID: SSHS-B101-8-10 (9)

Lab Sample ID: 180-35818-52

Date Collected: 08/14/14 11:58
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		11	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Toluene	ND		11	1.5	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
trans-1,2-Dichloroethene	ND		11	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
trans-1,3-Dichloropropene	ND		11	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
1,2,3-Trichlorobenzene	ND		11	1.8	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
1,2,4-Trichlorobenzene	ND		11	1.9	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
1,1,1-Trichloroethane	ND		11	1.0	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
1,1,2-Trichloroethane	ND		11	1.7	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Trichloroethene	**8.7**	**J**	11	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Trichlorofluoromethane	ND		11	1.9	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	2.2	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1
Vinyl chloride	ND		11	0.99	ug/Kg	☼	08/22/14 04:01	08/22/14 12:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 04:01*	*08/22/14 12:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*63 - 120*	*08/22/14 04:01*	*08/22/14 12:30*	*1*
Dibromofluoromethane (Surr)	*111*		*68 - 121*	*08/22/14 04:01*	*08/22/14 12:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*52 - 124*	*08/22/14 04:01*	*08/22/14 12:30*	*1*
Toluene-d8 (Surr)	*111*		*72 - 127*	*08/22/14 04:01*	*08/22/14 12:30*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		83	7.9	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Acenaphthylene	ND		83	9.4	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Acetophenone	**57**	**J**	410	34	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Anthracene	**14**	**J**	83	8.1	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Atrazine	ND		410	40	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Benzaldehyde	**100**	**J**	410	62	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Benzo[a]anthracene	**55**	**J**	83	10	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Benzo[a]pyrene	**52**	**J**	83	8.2	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Benzo[b]fluoranthene	**89**		83	13	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Benzo[g,h,i]perylene	**87**		83	8.2	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Benzo[k]fluoranthene	ND		83	17	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
1,1'-Biphenyl	ND		410	37	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Bis(2-chloroethoxy)methane	ND		410	27	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Bis(2-chloroethyl)ether	ND		83	11	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Bis(2-ethylhexyl) phthalate	ND		830	67	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
4-Bromophenyl phenyl ether	ND		410	36	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Butyl benzyl phthalate	ND		410	56	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Caprolactam	ND		2100	310	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Carbazole	ND		83	7.6	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
4-Chloroaniline	ND		410	33	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
4-Chloro-3-methylphenol	ND		410	38	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
2-Chloronaphthalene	ND		83	8.6	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
2-Chlorophenol	ND		410	34	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
4-Chlorophenyl phenyl ether	ND		410	46	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Chrysene	**190**		83	9.8	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Dibenz(a,h)anthracene	ND		83	9.2	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1

Client Sample ID: SSHS-B101-8-10 (9)
Date Collected: 08/14/14 11:58
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-52
Matrix: Solid
Percent Solids: 81.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	**79**	**J**	410	41	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
3,3'-Dichlorobenzidine	ND		410	44	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
2,4-Dichlorophenol	ND		83	8.3	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Diethyl phthalate	**77**	**J**	410	45	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
2,4-Dimethylphenol	ND		410	64	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Dimethyl phthalate	ND		410	45	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Di-n-butyl phthalate	ND		410	52	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
4,6-Dinitro-2-methylphenol	ND		2100	170	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
2,4-Dinitrophenol	ND		2100	490	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
2,4-Dinitrotoluene	ND		410	33	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
2,6-Dinitrotoluene	ND		410	42	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Di-n-octyl phthalate	ND		410	43	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
1,4-Dioxane	ND		830	47	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Fluoranthene	**77**	**J**	83	8.8	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Fluorene	ND		83	11	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Hexachlorobenzene	ND		83	8.8	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Hexachlorobutadiene	ND		83	9.2	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Hexachlorocyclopentadiene	ND		410	44	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Hexachloroethane	ND		410	30	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Indeno[1,2,3-cd]pyrene	**25**	**J**	83	8.5	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Isophorone	ND		410	31	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
2-Methylnaphthalene	**250**		83	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
2-Methylphenol	ND		410	29	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Methylphenol, 3 & 4	ND		410	40	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Naphthalene	**110**		83	7.1	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
2-Nitroaniline	ND		2100	180	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
3-Nitroaniline	ND		2100	170	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
4-Nitroaniline	ND		2100	170	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Nitrobenzene	ND		830	34	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
2-Nitrophenol	ND		410	45	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
4-Nitrophenol	ND		2100	150	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
N-Nitrosodi-n-propylamine	ND		83	9.7	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
N-Nitrosodiphenylamine	ND		410	38	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
2,2'-oxybis[1-chloropropane]	ND		83	8.9	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Pentachlorophenol	ND		410	37	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Phenanthrene	**440**		83	13	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Phenol	ND		83	9.7	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
Pyrene	**89**		83	8.3	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
1,2,4,5-Tetrachlorobenzene	ND		410	31	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
2,3,4,6-Tetrachlorophenol	ND		410	26	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
2,4,5-Trichlorophenol	ND		410	44	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1
2,4,6-Trichlorophenol	ND		410	62	ug/Kg	☼	08/27/14 12:20	08/28/14 18:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*410*	*T J*	*ug/Kg*	☼	*7.92*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown Straight Chain Alkane	*370*	*T J*	*ug/Kg*	☼	*8.08*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown	*410*	*T J*	*ug/Kg*	☼	*8.31*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown Substituted Naphthalene	*490*	*T J*	*ug/Kg*	☼	*8.87*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*8.89*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown Substituted Naphthalene	*400*	*T J*	*ug/Kg*	☼	*8.97*		*08/27/14 12:20*	*08/28/14 18:58*	*1*

Client Sample Results

Client Sample ID: SSHS-B101-8-10 (9)

Date Collected: 08/14/14 11:58
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-52
Matrix: Solid
Percent Solids: 81.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Straight Chain Alkane	*370*	*T J*	*ug/Kg*	☼	*9.09*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown Substituted Naphthalene	*420*	*T J*	*ug/Kg*	☼	*9.41*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown	*470*	*T J*	*ug/Kg*	☼	*9.57*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown	*380*	*T J*	*ug/Kg*	☼	*9.69*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown	*400*	*T J*	*ug/Kg*	☼	*9.75*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown	*370*	*T J*	*ug/Kg*	☼	*9.84*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown	*1300*	*T J*	*ug/Kg*	☼	*9.99*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown	*530*	*T J*	*ug/Kg*	☼	*10.33*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown Straight Chain Alkane	*510*	*T J*	*ug/Kg*	☼	*10.39*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown	*550*	*T J*	*ug/Kg*	☼	*10.42*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown Straight Chain Alkane	*570*	*T J*	*ug/Kg*	☼	*10.80*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown	*420*	*T J*	*ug/Kg*	☼	*11.11*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown Straight Chain Alkane	*590*	*T J*	*ug/Kg*	☼	*11.23*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown Straight Chain Alkane	*370*	*T J*	*ug/Kg*	☼	*11.68*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown	*410*	*T J*	*ug/Kg*	☼	*12.15*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown	*600*	*T J*	*ug/Kg*	☼	*12.68*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown	*370*	*T J*	*ug/Kg*	☼	*13.24*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown	*420*	*T J*	*ug/Kg*	☼	*13.85*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown Straight Chain Alkane	*470*	*T J*	*ug/Kg*	☼	*14.50*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown Straight Chain Alkane	*400*	*T J*	*ug/Kg*	☼	*15.18*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown Straight Chain Alkane	*440*	*T J*	*ug/Kg*	☼	*15.89*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown	*380*	*T J*	*ug/Kg*	☼	*16.60*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*17.34*		*08/27/14 12:20*	*08/28/14 18:58*	*1*
Unknown	*530*	*T J*	*ug/Kg*	☼	*19.00*		*08/27/14 12:20*	*08/28/14 18:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*08/27/14 12:20*	*08/28/14 18:58*	*1*
2-Fluorophenol (Surr)	*66*		*39 - 103*	*08/27/14 12:20*	*08/28/14 18:58*	*1*
Nitrobenzene-d5 (Surr)	*71*		*25 - 104*	*08/27/14 12:20*	*08/28/14 18:58*	*1*
Phenol-d5 (Surr)	*69*		*25 - 105*	*08/27/14 12:20*	*08/28/14 18:58*	*1*
Terphenyl-d14 (Surr)	*63*		*25 - 127*	*08/27/14 12:20*	*08/28/14 18:58*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*35 - 124*	*08/27/14 12:20*	*08/28/14 18:58*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.1	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
alpha-BHC	ND		2.1	0.33	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
alpha-Chlordane	ND		2.1	0.41	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
beta-BHC	ND		2.1	0.53	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
4,4'-DDD	**0.69**	**J p**	2.1	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
4,4'-DDE	ND		2.1	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
4,4'-DDT	**0.31**	**J p**	2.1	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
delta-BHC	**3.2**		2.1	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
Dieldrin	ND		2.1	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
Endosulfan I	**0.63**	**J**	2.1	0.39	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
Endosulfan II	ND		2.1	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
Endosulfan sulfate	**0.30**	**J p**	2.1	0.21	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
Endrin	**1.9**	**J p**	2.1	0.40	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
Endrin aldehyde	ND		2.1	0.40	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1

Client Sample Results

Client Sample ID: SSHS-B101-8-10 (9)
Date Collected: 08/14/14 11:58
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-52
Matrix: Solid
Percent Solids: 81.0

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	ND		2.1	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
gamma-BHC (Lindane)	ND		2.1	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
gamma-Chlordane	**8.1**		2.1	0.41	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
Heptachlor	**0.66**	**J p**	2.1	0.46	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
Heptachlor epoxide	**9.7**		2.1	0.40	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
Methoxychlor	ND		4.1	0.43	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1
Toxaphene	ND		83	14	ug/Kg	☼	08/26/14 22:14	08/28/14 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 130*	*08/26/14 22:14*	*08/28/14 19:29*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 130*	*08/26/14 22:14*	*08/28/14 19:29*	*1*
Tetrachloro-m-xylene	*77*		*45 - 130*	*08/26/14 22:14*	*08/28/14 19:29*	*1*
Tetrachloro-m-xylene	*76*		*45 - 130*	*08/26/14 22:14*	*08/28/14 19:29*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	3.1	ug/Kg	☼	08/26/14 22:14	08/31/14 19:38	1
PCB-1221	ND		21	3.9	ug/Kg	☼	08/26/14 22:14	08/31/14 19:38	1
PCB-1232	ND		21	3.5	ug/Kg	☼	08/26/14 22:14	08/31/14 19:38	1
PCB-1242	ND		21	3.4	ug/Kg	☼	08/26/14 22:14	08/31/14 19:38	1
PCB-1248	**500**		21	1.9	ug/Kg	☼	08/26/14 22:14	08/31/14 19:38	1
PCB-1254	ND		21	2.9	ug/Kg	☼	08/26/14 22:14	08/31/14 19:38	1
PCB-1260	**43**		21	2.9	ug/Kg	☼	08/26/14 22:14	08/31/14 20:09	1
PCB-1262	ND		21	4.5	ug/Kg	☼	08/26/14 22:14	08/31/14 19:38	1
PCB-1268	ND		21	2.6	ug/Kg	☼	08/26/14 22:14	08/31/14 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 125*	*08/26/14 22:14*	*08/31/14 19:38*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 125*	*08/26/14 22:14*	*08/31/14 20:09*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*45 - 135*	*08/26/14 22:14*	*08/31/14 19:38*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*	*08/26/14 22:14*	*08/31/14 20:09*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2800**		24	2.5	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Antimony	**0.36**	**J**	1.2	0.24	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Arsenic	**26**		1.2	0.37	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Barium	**210**		24	0.015	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Beryllium	**0.61**		0.48	0.014	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Cadmium	ND		0.61	0.017	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Calcium	**11000**		610	1.8	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Chromium	**11**		0.61	0.093	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Cobalt	**6.5**		6.1	0.051	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Copper	**47**		3.0	0.17	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Iron	**26000**		12	1.1	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Lead	**26**		1.2	0.12	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Magnesium	**2300**		610	2.5	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Manganese	**87**		1.8	0.11	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Nickel	**16**		4.8	0.057	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Potassium	**550**	**J**	610	7.7	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1

Client Sample Results

Client Sample ID: SSHS-B101-8-10 (9)

Lab Sample ID: 180-35818-52

Date Collected: 08/14/14 11:58

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 81.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	**2.6**		1.2	0.32	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Silver	ND		0.61	0.049	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Sodium	**180**	**J**	610	1.3	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Thallium	ND		2.4	0.18	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Vanadium	**17**		6.1	0.21	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1
Zinc	**35**	**B**	2.4	0.12	mg/Kg	☼	08/21/14 13:05	08/28/14 12:22	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.10**		0.040	0.013	mg/Kg	☼	08/27/14 09:14	08/27/14 14:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**19**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**81**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	**0.46**	**J B**	0.62	0.18	mg/Kg	☼	08/25/14 10:00	08/25/14 14:03	1

Client Sample ID: SSHS-B101-12-15.5R (15)

Lab Sample ID: 180-35818-53

Date Collected: 08/14/14 12:05

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 86.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.9	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Benzene	ND		4.9	0.67	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Bromoform	ND		4.9	0.44	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Bromomethane	ND		4.9	0.73	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
2-Butanone (MEK)	ND		4.9	0.87	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Carbon disulfide	ND		4.9	0.50	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Carbon tetrachloride	ND		4.9	0.44	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Chlorobenzene	ND		4.9	0.75	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Chlorobromomethane	ND		4.9	0.68	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Chlorodibromomethane	ND		4.9	0.70	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Chloroethane	ND		4.9	1.5	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Chloroform	ND		4.9	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Chloromethane	ND		4.9	0.84	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
cis-1,2-Dichloroethene	ND		4.9	0.69	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
cis-1,3-Dichloropropene	ND		4.9	0.67	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Cyclohexane	ND		4.9	0.37	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
1,2-Dibromo-3-Chloropropane	ND		4.9	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
1,2-Dibromoethane	ND		4.9	0.85	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
1,2-Dichlorobenzene	ND		4.9	0.79	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
1,3-Dichlorobenzene	ND		4.9	0.65	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
1,4-Dichlorobenzene	ND		4.9	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Dichlorobromomethane	ND		4.9	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Dichlorodifluoromethane	ND		4.9	0.66	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
1,1-Dichloroethane	ND		4.9	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
1,2-Dichloroethane	ND		4.9	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
1,1-Dichloroethene	ND		4.9	0.84	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
1,2-Dichloropropane	ND		4.9	0.54	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1

Client Sample ID: SSHS-B101-12-15.5R (15) **Lab Sample ID: 180-35818-53**
Date Collected: 08/14/14 12:05 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 86.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		990	270	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Ethylbenzene	ND		4.9	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
2-Hexanone	ND		4.9	0.68	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Isopropylbenzene	ND		4.9	0.67	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Methyl acetate	ND		4.9	0.89	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Methylcyclohexane	ND		4.9	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Methylene Chloride	ND		4.9	0.66	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	0.64	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Methyl tert-butyl ether	ND		4.9	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
m-Xylene & p-Xylene	ND		9.9	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
o-Xylene	ND		4.9	0.77	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Styrene	ND		4.9	0.70	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Tetrachloroethene	ND		4.9	0.67	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Toluene	ND		4.9	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
trans-1,2-Dichloroethene	ND		4.9	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
trans-1,3-Dichloropropene	ND		4.9	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
1,2,3-Trichlorobenzene	ND		4.9	0.83	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
1,2,4-Trichlorobenzene	ND		4.9	0.87	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
1,1,1-Trichloroethane	ND		4.9	0.48	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
1,1,2-Trichloroethane	ND		4.9	0.82	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Trichloroethene	ND		4.9	0.65	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Trichlorofluoromethane	ND		4.9	0.91	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1
Vinyl chloride	ND		4.9	0.46	ug/Kg	☼	08/22/14 04:01	08/22/14 12:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 04:01*	*08/22/14 12:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/22/14 04:01*	*08/22/14 12:52*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/22/14 04:01*	*08/22/14 12:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*	*08/22/14 04:01*	*08/22/14 12:52*	*1*
Toluene-d8 (Surr)	*104*		*72 - 127*	*08/22/14 04:01*	*08/22/14 12:52*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	7.3	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Acenaphthylene	ND		77	8.8	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Acetophenone	ND		380	31	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Anthracene	ND		77	7.5	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Atrazine	ND		380	37	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Benzaldehyde	ND		380	57	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Benzo[a]anthracene	ND		77	9.6	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Benzo[a]pyrene	ND		77	7.7	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Benzo[b]fluoranthene	ND		77	12	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Benzo[g,h,i]perylene	ND		77	7.6	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Benzo[k]fluoranthene	ND		77	15	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
1,1'-Biphenyl	ND		380	34	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Bis(2-chloroethoxy)methane	ND		380	25	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1

Client Sample ID: SSHS-B101-12-15.5R (15) **Lab Sample ID: 180-35818-53**

Date Collected: 08/14/14 12:05 **Matrix: Solid**

Date Received: 08/15/14 09:10 **Percent Solids: 86.7**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		77	10	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Bis(2-ethylhexyl) phthalate	ND		770	62	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
4-Bromophenyl phenyl ether	ND		380	33	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Butyl benzyl phthalate	ND		380	52	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Caprolactam	ND		1900	290	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Carbazole	ND		77	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
4-Chloroaniline	ND		380	31	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
4-Chloro-3-methylphenol	ND		380	35	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
2-Chloronaphthalene	ND		77	8.0	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
2-Chlorophenol	ND		380	31	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
4-Chlorophenyl phenyl ether	ND		380	42	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Chrysene	ND		77	9.1	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Dibenz(a,h)anthracene	ND		77	8.5	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Dibenzofuran	ND		380	38	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
3,3'-Dichlorobenzidine	ND		380	40	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
2,4-Dichlorophenol	ND		77	7.7	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Diethyl phthalate	ND		380	42	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
2,4-Dimethylphenol	ND		380	60	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Dimethyl phthalate	ND		380	42	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Di-n-butyl phthalate	ND		380	48	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
2,4-Dinitrophenol	ND		1900	460	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
2,6-Dinitrotoluene	ND		380	39	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Di-n-octyl phthalate	ND		380	40	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
1,4-Dioxane	ND		770	44	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Fluoranthene	ND		77	8.2	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Fluorene	ND		77	10	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Hexachlorobenzene	ND		77	8.1	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Hexachlorobutadiene	ND		77	8.6	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Hexachlorocyclopentadiene	ND		380	41	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Hexachloroethane	ND		380	27	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Indeno[1,2,3-cd]pyrene	ND		77	7.9	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Isophorone	ND		380	29	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
2-Methylnaphthalene	ND		77	6.9	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Methylphenol, 3 & 4	ND		380	37	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Naphthalene	ND		77	6.6	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
3-Nitroaniline	ND		1900	160	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Nitrobenzene	ND		770	32	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
2-Nitrophenol	ND		380	42	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
N-Nitrosodi-n-propylamine	ND		77	9.0	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
N-Nitrosodiphenylamine	ND		380	35	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
2,2'-oxybis[1-chloropropane]	ND		77	8.3	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Pentachlorophenol	ND		380	34	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Phenanthrene	ND		77	12	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1

Client Sample Results

Client Sample ID: SSHS-B101-12-15.5R (15)

Lab Sample ID: 180-35818-53

Date Collected: 08/14/14 12:05
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 86.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		77	9.0	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
Pyrene	ND		77	7.7	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
2,3,4,6-Tetrachlorophenol	ND		380	25	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
2,4,5-Trichlorophenol	ND		380	41	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1
2,4,6-Trichlorophenol	ND		380	57	ug/Kg	☼	08/27/14 12:20	08/28/14 19:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*180*	*T J*	*ug/Kg*	☼	*17.70*		*08/27/14 12:20*	*08/28/14 19:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*08/27/14 12:20*	*08/28/14 19:26*	*1*
2-Fluorophenol (Surr)	*61*		*39 - 103*	*08/27/14 12:20*	*08/28/14 19:26*	*1*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/27/14 12:20*	*08/28/14 19:26*	*1*
Phenol-d5 (Surr)	*67*		*25 - 105*	*08/27/14 12:20*	*08/28/14 19:26*	*1*
Terphenyl-d14 (Surr)	*69*		*25 - 127*	*08/27/14 12:20*	*08/28/14 19:26*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 124*	*08/27/14 12:20*	*08/28/14 19:26*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
alpha-BHC	ND		1.9	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
alpha-Chlordane	ND		1.9	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
beta-BHC	ND		1.9	0.50	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
4,4'-DDD	ND		1.9	0.25	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
4,4'-DDE	ND		1.9	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
4,4'-DDT	ND		1.9	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
Dieldrin	ND		1.9	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
Endosulfan I	ND		1.9	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
Endosulfan II	ND		1.9	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
Endosulfan sulfate	ND		1.9	0.20	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
Endrin	ND		1.9	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
Endrin aldehyde	ND		1.9	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
Endrin ketone	ND		1.9	0.30	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
gamma-BHC (Lindane)	ND		1.9	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
gamma-Chlordane	ND		1.9	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
Heptachlor	**0.64**	**J**	1.9	0.43	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
Heptachlor epoxide	ND		1.9	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
Methoxychlor	ND		3.8	0.40	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1
Toxaphene	ND		77	13	ug/Kg	☼	08/26/14 22:14	08/28/14 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 130*	*08/26/14 22:14*	*08/28/14 19:44*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 130*	*08/26/14 22:14*	*08/28/14 19:44*	*1*
Tetrachloro-m-xylene	*80*		*45 - 130*	*08/26/14 22:14*	*08/28/14 19:44*	*1*
Tetrachloro-m-xylene	*78*		*45 - 130*	*08/26/14 22:14*	*08/28/14 19:44*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/26/14 22:14	08/31/14 21:44	1

Client Sample ID: SSHS-B101-12-15.5R (15)
Lab Sample ID: 180-35818-53
Date Collected: 08/14/14 12:05
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 86.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		19	3.6	ug/Kg	☼	08/26/14 22:14	08/31/14 21:44	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/26/14 22:14	08/31/14 21:44	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/26/14 22:14	08/31/14 21:44	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/26/14 22:14	08/31/14 21:44	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/26/14 22:14	08/31/14 21:44	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/26/14 22:14	08/31/14 21:44	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/26/14 22:14	08/31/14 21:44	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/26/14 22:14	08/31/14 21:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 125*	*08/26/14 22:14*	*08/31/14 21:44*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/26/14 22:14*	*08/31/14 22:15*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*45 - 135*	*08/26/14 22:14*	*08/31/14 21:44*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*45 - 135*	*08/26/14 22:14*	*08/31/14 22:15*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6800**		20	2.1	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Antimony	ND		0.99	0.20	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Arsenic	**5.6**		0.99	0.30	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Barium	**62**		20	0.013	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Beryllium	**0.35**	**J**	0.39	0.011	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Cadmium	**0.11**	**J**	0.49	0.014	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Calcium	**22000**		490	1.5	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Chromium	**10**		0.49	0.076	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Cobalt	**6.6**		4.9	0.041	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Copper	**29**		2.5	0.14	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Iron	**14000**		9.9	0.88	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Lead	**9.0**		0.99	0.10	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Magnesium	**5900**		490	2.0	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Manganese	**420**		1.5	0.088	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Nickel	**17**		3.9	0.047	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Potassium	**690**		490	6.3	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Selenium	**0.44**	**J**	0.99	0.26	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Silver	ND		0.49	0.040	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Sodium	**71**	**J**	490	1.0	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Thallium	ND		2.0	0.14	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Vanadium	**10**		4.9	0.17	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1
Zinc	**76**	**B**	2.0	0.10	mg/Kg	☼	08/21/14 13:05	08/28/14 12:37	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.013**	**J**	0.037	0.012	mg/Kg	☼	08/27/14 09:14	08/27/14 14:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**87**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	**0.21**	**J B**	0.57	0.17	mg/Kg	☼	08/25/14 10:00	08/25/14 14:03	1

Client Sample ID: SSHS-B26-A-SS

Lab Sample ID: 180-35818-54

Date Collected: 08/14/14 08:22

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 73.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**340**	**J**	1200	290	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Benzene	ND		290	58	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Bromoform	ND		290	63	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Bromomethane	ND	*	290	92	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
2-Butanone (MEK)	ND		290	64	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Carbon disulfide	ND		290	63	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Carbon tetrachloride	ND		290	64	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Chlorobenzene	ND		290	31	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Chlorobromomethane	ND		290	59	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Chlorodibromomethane	ND		290	38	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Chloroethane	ND	*	290	44	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Chloroform	ND		290	59	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Chloromethane	ND		290	82	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
cis-1,2-Dichloroethene	ND		290	39	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
cis-1,3-Dichloropropene	ND		290	43	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Cyclohexane	ND		290	35	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
1,2-Dibromo-3-Chloropropane	ND		290	21	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
1,2-Dibromoethane	ND	*	290	36	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
1,2-Dichlorobenzene	ND		290	40	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
1,3-Dichlorobenzene	ND		290	30	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
1,4-Dichlorobenzene	ND		290	31	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Dichlorobromomethane	ND		290	55	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Dichlorodifluoromethane	ND		290	37	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
1,1-Dichloroethane	ND		290	59	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
1,2-Dichloroethane	ND		290	56	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
1,1-Dichloroethene	**1300**		290	63	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
1,2-Dichloropropane	ND		290	75	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
1,4-Dioxane	ND		59000	5700	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Ethylbenzene	ND		290	36	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
2-Hexanone	ND		290	33	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Isopropylbenzene	ND		290	31	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Methyl acetate	**1700**		290	72	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Methylcyclohexane	ND		290	33	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Methylene Chloride	ND		290	64	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
4-Methyl-2-pentanone (MIBK)	ND		290	35	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Methyl tert-butyl ether	ND		290	60	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
m-Xylene & p-Xylene	ND		590	75	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
o-Xylene	ND		290	43	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Styrene	ND		290	37	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
1,1,2,2-Tetrachloroethane	ND		290	55	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Tetrachloroethene	ND		290	48	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Toluene	ND		290	50	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
trans-1,2-Dichloroethene	ND		290	44	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
trans-1,3-Dichloropropene	ND		290	34	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
1,2,3-Trichlorobenzene	ND		290	37	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
1,2,4-Trichlorobenzene	ND		290	22	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
1,1,1-Trichloroethane	ND		290	60	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
1,1,2-Trichloroethane	ND		290	68	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Trichloroethene	ND		290	47	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1

Client Sample ID: SSHS-B26-A-SS
Date Collected: 08/14/14 08:22
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-54
Matrix: Solid
Percent Solids: 73.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		290	66	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**720**		290	19	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1
Vinyl chloride	ND		290	76	ug/Kg	☼	08/24/14 10:06	08/25/14 16:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1,1-Dichloro-1-fluoroethane	*4800*	*T J N*	*ug/Kg*	☼	*3.37*	*1717-00-6*	*08/24/14 10:06*	*08/25/14 16:44*	*1*
Isopropyl Alcohol	*510*	*T J N*	*ug/Kg*	☼	*4.32*	*67-63-0*	*08/24/14 10:06*	*08/25/14 16:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*63 - 120*	*08/24/14 10:06*	*08/25/14 16:44*	*1*
Dibromofluoromethane (Surr)	*85*		*68 - 121*	*08/24/14 10:06*	*08/25/14 16:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*72*		*52 - 124*	*08/24/14 10:06*	*08/25/14 16:44*	*1*
Toluene-d8 (Surr)	*99*		*72 - 127*	*08/24/14 10:06*	*08/25/14 16:44*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		91	8.7	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Acenaphthylene	ND		91	10	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Acetophenone	ND		450	37	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Anthracene	ND		91	8.8	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Atrazine	ND		450	44	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Benzaldehyde	ND		450	68	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Benzo[a]anthracene	**53**	**J**	91	11	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Benzo[a]pyrene	**66**	**J**	91	9.0	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Benzo[b]fluoranthene	**92**		91	14	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Benzo[g,h,i]perylene	**74**	**J**	91	9.0	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Benzo[k]fluoranthene	**42**	**J**	91	18	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
1,1'-Biphenyl	ND		450	40	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Bis(2-chloroethoxy)methane	ND		450	30	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Bis(2-chloroethyl)ether	ND		91	12	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Bis(2-ethylhexyl) phthalate	ND		910	73	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
4-Bromophenyl phenyl ether	ND		450	39	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Butyl benzyl phthalate	ND		450	62	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Caprolactam	ND		2300	340	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Carbazole	ND		91	8.3	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
4-Chloroaniline	ND		450	36	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
4-Chloro-3-methylphenol	ND		450	42	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
2-Chloronaphthalene	ND		91	9.4	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
2-Chlorophenol	ND		450	37	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
4-Chlorophenyl phenyl ether	ND		450	50	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Chrysene	**74**	**J**	91	11	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Dibenz(a,h)anthracene	ND		91	10	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Dibenzofuran	ND		450	44	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
3,3'-Dichlorobenzidine	ND		450	48	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
2,4-Dichlorophenol	ND		91	9.1	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Diethyl phthalate	ND		450	49	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
2,4-Dimethylphenol	ND		450	71	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Dimethyl phthalate	ND		450	49	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Di-n-butyl phthalate	ND		450	57	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1

Client Sample ID: SSHS-B26-A-SS **Lab Sample ID: 180-35818-54**
Date Collected: 08/14/14 08:22 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 73.9**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND		2300	180	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
2,4-Dinitrophenol	ND		2300	540	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
2,4-Dinitrotoluene	ND		450	36	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
2,6-Dinitrotoluene	ND		450	47	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Di-n-octyl phthalate	ND		450	48	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
1,4-Dioxane	ND		910	52	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Fluoranthene	**120**		91	9.7	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Fluorene	ND		91	12	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Hexachlorobenzene	ND		91	9.6	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Hexachlorobutadiene	ND		91	10	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Hexachlorocyclopentadiene	ND		450	49	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Hexachloroethane	ND		450	32	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Indeno[1,2,3-cd]pyrene	**61**	**J**	91	9.3	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Isophorone	ND		450	34	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
2-Methylnaphthalene	ND		91	8.1	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
2-Methylphenol	ND		450	32	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Methylphenol, 3 & 4	ND		450	44	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Naphthalene	ND		91	7.8	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
2-Nitroaniline	ND		2300	200	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
3-Nitroaniline	ND		2300	190	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
4-Nitroaniline	ND		2300	180	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Nitrobenzene	ND		910	38	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
2-Nitrophenol	ND		450	50	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
4-Nitrophenol	ND		2300	160	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
N-Nitrosodi-n-propylamine	ND		91	11	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
N-Nitrosodiphenylamine	ND		450	42	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
2,2'-oxybis[1-chloropropane]	ND		91	9.7	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Pentachlorophenol	ND		450	40	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Phenanthrene	**43**	**J**	91	14	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Phenol	ND		91	11	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
Pyrene	**95**		91	9.1	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
1,2,4,5-Tetrachlorobenzene	ND		450	34	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
2,3,4,6-Tetrachlorophenol	ND		450	29	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
2,4,5-Trichlorophenol	ND		450	48	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1
2,4,6-Trichlorophenol	ND		450	68	ug/Kg	☼	08/27/14 12:20	08/28/14 19:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*10.40*		*08/27/14 12:20*	*08/28/14 19:54*	*1*
Unknown	*430*	*T J*	*ug/Kg*	☼	*10.45*		*08/27/14 12:20*	*08/28/14 19:54*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*15.17*		*08/27/14 12:20*	*08/28/14 19:54*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*16.04*		*08/27/14 12:20*	*08/28/14 19:54*	*1*
Unknown	*1800*	*T J*	*ug/Kg*	☼	*16.18*		*08/27/14 12:20*	*08/28/14 19:54*	*1*
Unknown	*500*	*T J*	*ug/Kg*	☼	*16.59*		*08/27/14 12:20*	*08/28/14 19:54*	*1*
Unknown	*1600*	*T J*	*ug/Kg*	☼	*16.63*		*08/27/14 12:20*	*08/28/14 19:54*	*1*
Unknown	*810*	*T J*	*ug/Kg*	☼	*17.67*		*08/27/14 12:20*	*08/28/14 19:54*	*1*
Unknown Straight Chain Alkane	*1400*	*T J*	*ug/Kg*	☼	*18.06*		*08/27/14 12:20*	*08/28/14 19:54*	*1*
Unknown	*440*	*T J*	*ug/Kg*	☼	*18.14*		*08/27/14 12:20*	*08/28/14 19:54*	*1*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*19.21*		*08/27/14 12:20*	*08/28/14 19:54*	*1*
Unknown	*810*	*T J*	*ug/Kg*	☼	*19.62*		*08/27/14 12:20*	*08/28/14 19:54*	*1*
Unknown	*660*	*T J*	*ug/Kg*	☼	*19.73*		*08/27/14 12:20*	*08/28/14 19:54*	*1*

Client Sample ID: SSHS-B26-A-SS
Lab Sample ID: 180-35818-54
Date Collected: 08/14/14 08:22
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 73.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*200*	*T J*	*ug/Kg*	☼	*19.86*		*08/27/14 12:20*	*08/28/14 19:54*	*1*
Unknown	*740*	*T J*	*ug/Kg*	☼	*20.27*		*08/27/14 12:20*	*08/28/14 19:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 105*	*08/27/14 12:20*	*08/28/14 19:54*	*1*
2-Fluorophenol (Surr)	*63*		*39 - 103*	*08/27/14 12:20*	*08/28/14 19:54*	*1*
Nitrobenzene-d5 (Surr)	*67*		*25 - 104*	*08/27/14 12:20*	*08/28/14 19:54*	*1*
Phenol-d5 (Surr)	*67*		*25 - 105*	*08/27/14 12:20*	*08/28/14 19:54*	*1*
Terphenyl-d14 (Surr)	*69*		*25 - 127*	*08/27/14 12:20*	*08/28/14 19:54*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*35 - 124*	*08/27/14 12:20*	*08/28/14 19:54*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.3	0.40	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
alpha-BHC	ND		2.3	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
alpha-Chlordane	ND		2.3	0.45	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
beta-BHC	ND		2.3	0.59	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
4,4'-DDD	**0.54**	**J p**	2.3	0.30	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
4,4'-DDE	ND		2.3	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
4,4'-DDT	**6.7**		2.3	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
delta-BHC	**0.59**	**J p**	2.3	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
Dieldrin	ND		2.3	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
Endosulfan I	**0.43**	**J**	2.3	0.42	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
Endosulfan II	ND		2.3	0.40	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
Endosulfan sulfate	**0.53**	**J p**	2.3	0.24	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
Endrin	**3.4**	**p**	2.3	0.44	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
Endrin aldehyde	ND		2.3	0.44	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
Endrin ketone	**0.82**	**J p**	2.3	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
gamma-BHC (Lindane)	ND		2.3	0.40	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
gamma-Chlordane	**4.7**	**p**	2.3	0.45	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
Heptachlor	ND		2.3	0.50	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
Heptachlor epoxide	**3.1**	**p**	2.3	0.44	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
Methoxychlor	ND		4.5	0.47	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1
Toxaphene	ND		91	15	ug/Kg	☼	08/26/14 22:14	08/28/14 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 130*	*08/26/14 22:14*	*08/28/14 20:00*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 130*	*08/26/14 22:14*	*08/28/14 20:00*	*1*
Tetrachloro-m-xylene	*79*		*45 - 130*	*08/26/14 22:14*	*08/28/14 20:00*	*1*
Tetrachloro-m-xylene	*76*		*45 - 130*	*08/26/14 22:14*	*08/28/14 20:00*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		23	3.4	ug/Kg	☼	08/26/14 22:14	08/31/14 22:15	1
PCB-1221	ND		23	4.3	ug/Kg	☼	08/26/14 22:14	08/31/14 22:15	1
PCB-1232	ND		23	3.9	ug/Kg	☼	08/26/14 22:14	08/31/14 22:15	1
PCB-1242	ND		23	3.7	ug/Kg	☼	08/26/14 22:14	08/31/14 22:15	1
PCB-1248	**360**		23	2.1	ug/Kg	☼	08/26/14 22:14	08/31/14 22:47	1
PCB-1254	ND		23	3.2	ug/Kg	☼	08/26/14 22:14	08/31/14 22:15	1
PCB-1260	**49**		23	3.2	ug/Kg	☼	08/26/14 22:14	08/31/14 22:15	1

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

Client Sample ID: SSHS-B26-A-SS

Lab Sample ID: 180-35818-54

Date Collected: 08/14/14 08:22
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 73.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		23	4.9	ug/Kg	☼	08/26/14 22:14	08/31/14 22:15	1
PCB-1268	ND		23	2.9	ug/Kg	☼	08/26/14 22:14	08/31/14 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/26/14 22:14*	*08/31/14 22:15*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 125*	*08/26/14 22:14*	*08/31/14 22:47*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*45 - 135*	*08/26/14 22:14*	*08/31/14 22:15*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*45 - 135*	*08/26/14 22:14*	*08/31/14 22:47*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		27	2.8	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Antimony	ND		1.3	0.27	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Arsenic	**9.0**		1.3	0.41	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Barium	**110**		27	0.017	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Beryllium	**0.52**	**J**	0.54	0.015	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Cadmium	**0.15**	**J**	0.67	0.019	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Calcium	**3000**		670	2.0	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Chromium	**13**		0.67	0.10	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Cobalt	**8.7**		6.7	0.056	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Copper	**17**		3.3	0.19	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Iron	**20000**		13	1.2	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Lead	**17**		1.3	0.14	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Magnesium	**2900**		670	2.8	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Manganese	**480**		2.0	0.12	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Nickel	**23**		5.4	0.064	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Potassium	**1100**		670	8.6	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Selenium	**0.37**	**J**	1.3	0.36	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Silver	ND		0.67	0.054	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Sodium	**29**	**J**	670	1.4	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Thallium	ND		2.7	0.20	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Vanadium	**14**		6.7	0.23	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1
Zinc	**63**	**B**	2.7	0.14	mg/Kg	☼	08/21/14 13:05	08/28/14 12:42	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.17**		0.044	0.015	mg/Kg	☼	08/27/14 09:14	08/27/14 14:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**26**		0.10	0.10	%			08/18/14 10:58	1
Percent Solids	**74**		0.10	0.10	%			08/18/14 10:58	1
Cyanide, Total	**0.27**	**J B**	0.68	0.20	mg/Kg	☼	08/25/14 10:00	08/25/14 14:10	1

Client Sample ID: SSHS-B26-A-0.17-2 (0.5)

Lab Sample ID: 180-35818-55

Date Collected: 08/14/14 08:27
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 86.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.2	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1

Client Sample ID: SSHS-B26-A-0.17-2 (0.5)
Lab Sample ID: 180-35818-55
Date Collected: 08/14/14 08:27
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Bromoform	ND		4.2	0.37	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Bromomethane	ND		4.2	0.62	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
2-Butanone (MEK)	ND		4.2	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Carbon disulfide	ND		4.2	0.43	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Carbon tetrachloride	ND		4.2	0.37	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Chlorobenzene	ND		4.2	0.64	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Chlorobromomethane	ND		4.2	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Chlorodibromomethane	ND		4.2	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Chloroethane	ND		4.2	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Chloroform	ND		4.2	0.49	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Chloromethane	ND		4.2	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
cis-1,2-Dichloroethene	ND		4.2	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
cis-1,3-Dichloropropene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Cyclohexane	ND		4.2	0.31	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
1,2-Dibromo-3-Chloropropane	ND		4.2	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
1,2-Dibromoethane	ND		4.2	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
1,2-Dichlorobenzene	ND		4.2	0.67	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
1,3-Dichlorobenzene	ND		4.2	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
1,4-Dichlorobenzene	ND		4.2	0.53	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Dichlorobromomethane	ND		4.2	0.47	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Dichlorodifluoromethane	ND		4.2	0.56	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
1,1-Dichloroethane	ND		4.2	0.48	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
1,2-Dichloroethane	ND		4.2	0.51	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
1,1-Dichloroethene	ND		4.2	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
1,2-Dichloropropane	ND		4.2	0.46	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
1,4-Dioxane	ND		840	230	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Ethylbenzene	ND		4.2	0.54	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
2-Hexanone	ND		4.2	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Isopropylbenzene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Methyl acetate	ND		4.2	0.76	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Methylcyclohexane	ND		4.2	0.61	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Methylene Chloride	ND		4.2	0.56	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Methyl tert-butyl ether	ND		4.2	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
m-Xylene & p-Xylene	ND		8.4	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
o-Xylene	ND		4.2	0.65	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Styrene	ND		4.2	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Tetrachloroethene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Toluene	ND		4.2	0.61	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
trans-1,2-Dichloroethene	ND		4.2	0.50	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
trans-1,3-Dichloropropene	ND		4.2	0.50	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
1,2,3-Trichlorobenzene	ND		4.2	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
1,2,4-Trichlorobenzene	ND		4.2	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
1,1,1-Trichloroethane	ND		4.2	0.41	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
1,1,2-Trichloroethane	ND		4.2	0.70	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Trichloroethene	ND		4.2	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Trichlorofluoromethane	ND		4.2	0.77	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1

Client Sample ID: SSHS-B26-A-0.17-2 (0.5)

Lab Sample ID: 180-35818-55

Date Collected: 08/14/14 08:27
Date Received: 08/15/14 09:10
Matrix: Solid
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.90	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1
Vinyl chloride	ND		4.2	0.39	ug/Kg	☼	08/22/14 04:01	08/22/14 13:36	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 04:01*	*08/22/14 13:36*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/22/14 04:01*	*08/22/14 13:36*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/22/14 04:01*	*08/22/14 13:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*52 - 124*	*08/22/14 04:01*	*08/22/14 13:36*	*1*
Toluene-d8 (Surr)	*101*		*72 - 127*	*08/22/14 04:01*	*08/22/14 13:36*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Acenaphthylene	ND		77	8.8	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Acetophenone	ND		380	32	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Anthracene	ND		77	7.5	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Atrazine	ND		380	37	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Benzaldehyde	ND		380	58	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Benzo[a]anthracene	**24**	**J**	77	9.6	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Benzo[a]pyrene	**22**	**J**	77	7.7	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Benzo[b]fluoranthene	**36**	**J**	77	12	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Benzo[g,h,i]perylene	**22**	**J**	77	7.6	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Benzo[k]fluoranthene	ND		77	16	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
1,1'-Biphenyl	ND		380	34	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Bis(2-chloroethoxy)methane	ND		380	25	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Bis(2-chloroethyl)ether	ND		77	10	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Bis(2-ethylhexyl) phthalate	ND		770	62	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
4-Bromophenyl phenyl ether	ND		380	33	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Butyl benzyl phthalate	ND		380	52	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Caprolactam	ND		2000	290	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Carbazole	ND		77	7.1	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
4-Chloroaniline	ND		380	31	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
4-Chloro-3-methylphenol	ND		380	35	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
2-Chloronaphthalene	ND		77	8.0	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
2-Chlorophenol	ND		380	31	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
4-Chlorophenyl phenyl ether	ND		380	43	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Chrysene	**27**	**J**	77	9.1	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Dibenz(a,h)anthracene	ND		77	8.5	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Dibenzofuran	ND		380	38	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
3,3'-Dichlorobenzidine	ND		380	41	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
2,4-Dichlorophenol	ND		77	7.7	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Diethyl phthalate	ND		380	42	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
2,4-Dimethylphenol	ND		380	60	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Dimethyl phthalate	ND		380	42	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Di-n-butyl phthalate	ND		380	48	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
4,6-Dinitro-2-methylphenol	ND		2000	150	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
2,4-Dinitrophenol	ND		2000	460	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1

Client Sample Results

Client Sample ID: SSHS-B26-A-0.17-2 (0.5)

Lab Sample ID: 180-35818-55

Date Collected: 08/14/14 08:27
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 86.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		380	40	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Di-n-octyl phthalate	ND		380	40	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
1,4-Dioxane	ND		770	44	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Fluoranthene	**36**	**J**	77	8.2	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Fluorene	ND		77	10	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Hexachlorobenzene	ND		77	8.2	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Hexachlorobutadiene	ND		77	8.6	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Hexachlorocyclopentadiene	ND		380	41	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Hexachloroethane	ND		380	28	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Indeno[1,2,3-cd]pyrene	**19**	**J**	77	7.9	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Isophorone	ND		380	29	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
2-Methylnaphthalene	ND		77	6.9	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Methylphenol, 3 & 4	ND		380	38	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Naphthalene	ND		77	6.6	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
2-Nitroaniline	ND		2000	170	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Nitrobenzene	ND		770	32	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
2-Nitrophenol	ND		380	42	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
4-Nitrophenol	ND		2000	140	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
N-Nitrosodi-n-propylamine	ND		77	9.0	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
N-Nitrosodiphenylamine	ND		380	36	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
2,2'-oxybis[1-chloropropane]	ND		77	8.3	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Pentachlorophenol	ND		380	34	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Phenanthrene	**21**	**J**	77	12	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Phenol	ND		77	9.1	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
Pyrene	**29**	**J**	77	7.8	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
2,3,4,6-Tetrachlorophenol	ND		380	25	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
2,4,5-Trichlorophenol	ND		380	41	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1
2,4,6-Trichlorophenol	ND		380	57	ug/Kg	☼	08/27/14 12:20	08/28/14 20:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*160*	*T J*	*ug/Kg*	☼	*14.78*		*08/27/14 12:20*	*08/28/14 20:22*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*18.09*		*08/27/14 12:20*	*08/28/14 20:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*35 - 105*	*08/27/14 12:20*	*08/28/14 20:22*	*1*
2-Fluorophenol (Surr)	*66*		*39 - 103*	*08/27/14 12:20*	*08/28/14 20:22*	*1*
Nitrobenzene-d5 (Surr)	*71*		*25 - 104*	*08/27/14 12:20*	*08/28/14 20:22*	*1*
Phenol-d5 (Surr)	*71*		*25 - 105*	*08/27/14 12:20*	*08/28/14 20:22*	*1*
Terphenyl-d14 (Surr)	*69*		*25 - 127*	*08/27/14 12:20*	*08/28/14 20:22*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*35 - 124*	*08/27/14 12:20*	*08/28/14 20:22*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
alpha-BHC	ND		2.0	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
alpha-Chlordane	ND		2.0	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1

Client Sample ID: SSHS-B26-A-0.17-2 (0.5) Lab Sample ID: 180-35818-55

Date Collected: 08/14/14 08:27 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 86.9**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		2.0	0.50	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
4,4'-DDD	**1.1**	**J p**	2.0	0.25	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
4,4'-DDE	ND		2.0	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
4,4'-DDT	**12**		2.0	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
delta-BHC	ND		2.0	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
Dieldrin	ND		2.0	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
Endosulfan I	**1.2**	**J**	2.0	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
Endosulfan II	ND		2.0	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
Endosulfan sulfate	**1.4**	**J p**	2.0	0.20	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
Endrin	**6.6**	**p**	2.0	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
Endrin aldehyde	**0.51**	**J p**	2.0	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
Endrin ketone	**1.4**	**J p**	2.0	0.30	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
gamma-BHC (Lindane)	ND		2.0	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
gamma-Chlordane	**23**		2.0	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
Heptachlor	ND		2.0	0.43	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
Heptachlor epoxide	**9.9**	**p**	2.0	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
Methoxychlor	**0.40**	**J p**	3.8	0.40	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1
Toxaphene	ND		77	13	ug/Kg	☼	08/26/14 22:14	08/28/14 20:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/26/14 22:14*	*08/28/14 20:15*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/26/14 22:14*	*08/28/14 20:15*	*1*
Tetrachloro-m-xylene	*87*		*45 - 130*	*08/26/14 22:14*	*08/28/14 20:15*	*1*
Tetrachloro-m-xylene	*82*		*45 - 130*	*08/26/14 22:14*	*08/28/14 20:15*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.9	ug/Kg	☼	08/26/14 22:14	08/31/14 22:47	1
PCB-1221	ND		19	3.7	ug/Kg	☼	08/26/14 22:14	08/31/14 22:47	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/26/14 22:14	08/31/14 22:47	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/26/14 22:14	08/31/14 22:47	1
PCB-1248	**980**		19	1.8	ug/Kg	☼	08/26/14 22:14	08/31/14 22:47	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/26/14 22:14	08/31/14 22:47	1
PCB-1260	**93**		19	2.7	ug/Kg	☼	08/26/14 22:14	08/31/14 23:18	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/26/14 22:14	08/31/14 22:47	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/26/14 22:14	08/31/14 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/26/14 22:14*	*08/31/14 22:47*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/26/14 22:14*	*08/31/14 23:18*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*	*08/26/14 22:14*	*08/31/14 22:47*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*	*08/26/14 22:14*	*08/31/14 23:18*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9100**		22	2.3	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Arsenic	**7.8**		1.1	0.34	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Barium	**110**		22	0.014	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Beryllium	**0.42**	**J**	0.44	0.012	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1

Client Sample Results

Client Sample ID: SSHS-B26-A-0.17-2 (0.5)

Lab Sample ID: 180-35818-55

Date Collected: 08/14/14 08:27
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 86.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.11**	**J**	0.55	0.016	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Calcium	**21000**		550	1.7	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Chromium	**12**		0.55	0.085	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Cobalt	**7.5**		5.5	0.046	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Copper	**23**		2.8	0.16	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Iron	**19000**		11	0.98	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Lead	**25**		1.1	0.11	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Magnesium	**3800**		550	2.3	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Manganese	**410**		1.7	0.098	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Nickel	**31**		4.4	0.053	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Potassium	**730**		550	7.1	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Selenium	**0.46**	**J**	1.1	0.30	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Silver	ND		0.55	0.045	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Sodium	**50**	**J**	550	1.2	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Vanadium	**13**		5.5	0.19	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1
Zinc	**61**	**B**	2.2	0.11	mg/Kg	☼	08/21/14 13:05	08/28/14 12:47	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.024**	**J**	0.037	0.012	mg/Kg	☼	08/27/14 09:14	08/27/14 14:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13**		0.10	0.10	%			08/18/14 10:58	1
Percent Solids	**87**		0.10	0.10	%			08/18/14 10:58	1
Cyanide, Total	**0.52**	**J B**	0.58	0.17	mg/Kg	☼	08/25/14 10:00	08/25/14 14:10	1

Client Sample ID: SSHS-B26-A-2-6 (2)

Lab Sample ID: 180-35818-56

Date Collected: 08/14/14 08:35
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.2	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Benzene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Bromoform	ND		4.2	0.38	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Bromomethane	ND		4.2	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
2-Butanone (MEK)	ND		4.2	0.75	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Carbon disulfide	ND		4.2	0.43	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Carbon tetrachloride	ND		4.2	0.38	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Chlorobenzene	ND		4.2	0.64	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Chlorobromomethane	ND		4.2	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Chlorodibromomethane	ND		4.2	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Chloroethane	ND		4.2	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Chloroform	ND		4.2	0.50	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Chloromethane	ND		4.2	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
cis-1,2-Dichloroethene	ND		4.2	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
cis-1,3-Dichloropropene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Cyclohexane	ND		4.2	0.31	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1

Client Sample ID: SSHS-B26-A-2-6 (2)
Date Collected: 08/14/14 08:35
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-56
Matrix: Solid
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.2	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
1,2-Dibromoethane	ND		4.2	0.73	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
1,2-Dichlorobenzene	ND		4.2	0.68	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
1,3-Dichlorobenzene	ND		4.2	0.56	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
1,4-Dichlorobenzene	ND		4.2	0.54	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Dichlorobromomethane	ND		4.2	0.48	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Dichlorodifluoromethane	ND		4.2	0.56	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
1,1-Dichloroethane	ND		4.2	0.49	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
1,2-Dichloroethane	ND		4.2	0.52	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
1,1-Dichloroethene	ND		4.2	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
1,2-Dichloropropane	ND		4.2	0.46	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
1,4-Dioxane	ND		850	230	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Ethylbenzene	ND		4.2	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
2-Hexanone	ND		4.2	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Isopropylbenzene	ND		4.2	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Methyl acetate	ND		4.2	0.76	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Methylcyclohexane	ND		4.2	0.62	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Methylene Chloride	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Methyl tert-butyl ether	ND		4.2	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
m-Xylene & p-Xylene	ND		8.5	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
o-Xylene	ND		4.2	0.66	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Styrene	ND		4.2	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.61	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Tetrachloroethene	ND		4.2	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Toluene	ND		4.2	0.62	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
trans-1,2-Dichloroethene	ND		4.2	0.51	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
trans-1,3-Dichloropropene	ND		4.2	0.51	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
1,2,3-Trichlorobenzene	ND		4.2	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
1,2,4-Trichlorobenzene	ND		4.2	0.75	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
1,1,1-Trichloroethane	ND		4.2	0.41	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
1,1,2-Trichloroethane	ND		4.2	0.70	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Trichloroethene	ND		4.2	0.56	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Trichlorofluoromethane	ND		4.2	0.78	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.91	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1
Vinyl chloride	ND		4.2	0.40	ug/Kg	☼	08/22/14 04:01	08/22/14 13:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 04:01*	*08/22/14 13:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/22/14 04:01*	*08/22/14 13:59*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/22/14 04:01*	*08/22/14 13:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*52 - 124*	*08/22/14 04:01*	*08/22/14 13:59*	*1*
Toluene-d8 (Surr)	*105*		*72 - 127*	*08/22/14 04:01*	*08/22/14 13:59*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**47**	**J**	74	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Acenaphthylene	**28**	**J**	74	8.4	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1

Client Sample ID: SSHS-B26-A-2-6 (2)
Lab Sample ID: 180-35818-56
Date Collected: 08/14/14 08:35
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		360	30	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Anthracene	**100**		74	7.2	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Atrazine	ND		360	36	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Benzo[a]anthracene	**170**		74	9.2	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Benzo[a]pyrene	**160**		74	7.3	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Benzo[b]fluoranthene	**230**		74	12	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Benzo[g,h,i]perylene	**130**		74	7.3	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Benzo[k]fluoranthene	**78**		74	15	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Bis(2-chloroethyl)ether	ND		74	9.8	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Bis(2-ethylhexyl) phthalate	ND		740	59	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Carbazole	**56**	**J**	74	6.7	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
2-Chloronaphthalene	ND		74	7.6	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Chrysene	**200**		74	8.7	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Dibenz(a,h)anthracene	**35**	**J**	74	8.1	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Dibenzofuran	**49**	**J**	360	36	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
2,4-Dichlorophenol	ND		74	7.3	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Fluoranthene	**380**		74	7.8	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Fluorene	**53**	**J**	74	9.7	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Hexachlorobenzene	ND		74	7.8	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Hexachlorobutadiene	ND		74	8.2	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Indeno[1,2,3-cd]pyrene	**110**		74	7.5	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Isophorone	ND		360	28	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
2-Methylnaphthalene	**81**		74	6.6	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Naphthalene	**78**		74	6.3	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1

Client Sample ID: SSHS-B26-A-2-6 (2)
Lab Sample ID: 180-35818-56
Date Collected: 08/14/14 08:35
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Nitrobenzene	ND		740	30	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
N-Nitrosodi-n-propylamine	ND		74	8.6	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
2,2'-oxybis[1-chloropropane]	ND		74	7.9	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Phenanthrene	**340**		74	12	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Phenol	ND		74	8.7	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
Pyrene	**260**		74	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
2,3,4,6-Tetrachlorophenol	ND		360	24	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/27/14 12:20	08/28/14 20:50	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190*	*T J*	*ug/Kg*	☼	*9.55*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*9.99*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*10.40*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown Substituted Biphenyl	*340*	*T J*	*ug/Kg*	☼	*10.91*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*11.12*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown Substituted Biphenyl	*220*	*T J*	*ug/Kg*	☼	*11.20*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*330*	*T J*	*ug/Kg*	☼	*11.24*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown Substituted Biphenyl	*240*	*T J*	*ug/Kg*	☼	*11.39*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*11.52*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*11.69*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown Substituted Biphenyl	*210*	*T J*	*ug/Kg*	☼	*11.74*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown Substituted Biphenyl	*500*	*T J*	*ug/Kg*	☼	*11.78*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown Substituted Biphenyl	*590*	*T J*	*ug/Kg*	☼	*11.81*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*11.98*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown Substituted Biphenyl	*240*	*T J*	*ug/Kg*	☼	*12.04*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*12.16*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*12.70*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*13.11*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*13.87*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*15.24*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*15.30*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*15.40*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*15.41*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*16.27*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*370*	*T J*	*ug/Kg*	☼	*17.14*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*450*	*T J*	*ug/Kg*	☼	*17.46*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*17.81*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*740*	*T J*	*ug/Kg*	☼	*18.38*		*08/27/14 12:20*	*08/28/14 20:50*	*1*
Unknown	*980*	*T J*	*ug/Kg*	☼	*19.02*		*08/27/14 12:20*	*08/28/14 20:50*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B26-A-2-6 (2)
Date Collected: 08/14/14 08:35
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-56
Matrix: Solid
Percent Solids: 91.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 105*	*08/27/14 12:20*	*08/28/14 20:50*	*1*
2-Fluorophenol (Surr)	*65*		*39 - 103*	*08/27/14 12:20*	*08/28/14 20:50*	*1*
Nitrobenzene-d5 (Surr)	*70*		*25 - 104*	*08/27/14 12:20*	*08/28/14 20:50*	*1*
Phenol-d5 (Surr)	*66*		*25 - 105*	*08/27/14 12:20*	*08/28/14 20:50*	*1*
Terphenyl-d14 (Surr)	*62*		*25 - 127*	*08/27/14 12:20*	*08/28/14 20:50*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*35 - 124*	*08/27/14 12:20*	*08/28/14 20:50*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**26**	**p**	1.9	0.33	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
alpha-Chlordane	**4.4**	**p**	1.9	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
beta-BHC	**1.3**	**J p**	1.9	0.47	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
4,4'-DDD	**1.9**	**p**	1.9	0.24	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
4,4'-DDT	**140**		1.9	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
Dieldrin	**7.3**	**p**	1.9	0.30	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
Endosulfan I	**13**		1.9	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
Endosulfan II	**5.8**	**p**	1.9	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
Endosulfan sulfate	**31**		1.9	0.19	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
Endrin	**80**	**p**	1.9	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
Endrin aldehyde	**6.4**	**p**	1.9	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
Endrin ketone	**21**	**p**	1.9	0.28	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
gamma-BHC (Lindane)	**0.65**	**J p**	1.9	0.32	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
gamma-Chlordane	**170**		1.9	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
Heptachlor	**7.7**	**p**	1.9	0.41	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
Heptachlor epoxide	**130**	**p**	1.9	0.36	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
Methoxychlor	**4.5**	**p**	3.6	0.38	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1
Toxaphene	ND		74	12	ug/Kg	☼	08/26/14 22:14	08/28/14 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/26/14 22:14*	*08/28/14 20:31*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 130*	*08/26/14 22:14*	*08/28/14 20:31*	*1*
Tetrachloro-m-xylene	*76*		*45 - 130*	*08/26/14 22:14*	*08/28/14 20:31*	*1*
Tetrachloro-m-xylene	*73*		*45 - 130*	*08/26/14 22:14*	*08/28/14 20:31*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		180	27	ug/Kg	☼	08/26/14 22:14	09/02/14 15:38	10
PCB-1221	ND		180	35	ug/Kg	☼	08/26/14 22:14	09/02/14 15:38	10
PCB-1232	ND		180	31	ug/Kg	☼	08/26/14 22:14	09/02/14 15:38	10
PCB-1242	ND		180	30	ug/Kg	☼	08/26/14 22:14	09/02/14 15:38	10
PCB-1248	**12000**		180	17	ug/Kg	☼	08/26/14 22:14	09/02/14 15:38	10
PCB-1254	ND		180	26	ug/Kg	☼	08/26/14 22:14	09/02/14 15:38	10
PCB-1260	**1500**		180	26	ug/Kg	☼	08/26/14 22:14	09/02/14 15:38	10
PCB-1262	ND		180	40	ug/Kg	☼	08/26/14 22:14	09/02/14 15:38	10
PCB-1268	ND		180	24	ug/Kg	☼	08/26/14 22:14	09/02/14 15:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*45 - 125*	*08/26/14 22:14*	*09/02/14 15:38*	*10*

Client Sample ID: SSHS-B26-A-2-6 (2)

Lab Sample ID: 180-35818-56
Date Collected: 08/14/14 08:35
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*45 - 125*	*08/26/14 22:14*	*09/02/14 16:09*	*10*
Tetrachloro-m-xylene (Surr)	*83*		*45 - 135*	*08/26/14 22:14*	*09/02/14 15:38*	*10*
Tetrachloro-m-xylene (Surr)	*85*		*45 - 135*	*08/26/14 22:14*	*09/02/14 16:09*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6700**		22	2.3	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Arsenic	**16**		1.1	0.33	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Barium	**130**		22	0.014	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Beryllium	**0.30**	**J**	0.43	0.012	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Cadmium	**0.11**	**J**	0.54	0.016	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Calcium	**23000**		540	1.6	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Chromium	**18**		0.54	0.084	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Cobalt	**7.0**		5.4	0.045	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Copper	**66**		2.7	0.16	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Iron	**29000**		11	0.96	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Lead	**69**		1.1	0.11	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Magnesium	**4600**		540	2.2	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Manganese	**430**		1.6	0.097	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Nickel	**65**		4.3	0.052	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Potassium	**600**		540	6.9	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Selenium	**0.64**	**J**	1.1	0.29	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Silver	ND		0.54	0.044	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Sodium	**110**	**J**	540	1.2	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Thallium	**0.23**	**J**	2.2	0.16	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Vanadium	**16**		5.4	0.19	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1
Zinc	**90**	**B**	2.2	0.11	mg/Kg	☼	08/21/14 13:05	08/28/14 12:53	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.020**	**J**	0.036	0.012	mg/Kg	☼	08/27/14 09:14	08/27/14 14:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.9**		0.10	0.10	%			08/18/14 10:58	1
Percent Solids	**91**		0.10	0.10	%			08/18/14 10:58	1
Cyanide, Total	**0.76**	**B**	0.55	0.16	mg/Kg	☼	08/25/14 10:00	08/25/14 14:10	1

Client Sample ID: SSHS-B26-A-6-8 (7)

Lab Sample ID: 180-35818-57
Date Collected: 08/14/14 08:46
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.2	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Benzene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Bromoform	ND		4.2	0.37	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Bromomethane	ND		4.2	0.62	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
2-Butanone (MEK)	ND		4.2	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1

Client Sample ID: SSHS-B26-A-6-8 (7) Lab Sample ID: 180-35818-57

Date Collected: 08/14/14 08:46 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 93.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.2	0.43	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Carbon tetrachloride	ND		4.2	0.38	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Chlorobenzene	ND		4.2	0.64	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Chlorobromomethane	ND		4.2	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Chlorodibromomethane	ND		4.2	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Chloroethane	ND		4.2	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Chloroform	ND		4.2	0.49	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Chloromethane	ND		4.2	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
cis-1,2-Dichloroethene	ND		4.2	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
cis-1,3-Dichloropropene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Cyclohexane	ND		4.2	0.31	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
1,2-Dibromo-3-Chloropropane	ND		4.2	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
1,2-Dibromoethane	ND		4.2	0.73	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
1,2-Dichlorobenzene	ND		4.2	0.67	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
1,3-Dichlorobenzene	ND		4.2	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
1,4-Dichlorobenzene	ND		4.2	0.54	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Dichlorobromomethane	ND		4.2	0.47	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Dichlorodifluoromethane	ND		4.2	0.56	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
1,1-Dichloroethane	ND		4.2	0.49	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
1,2-Dichloroethane	ND		4.2	0.52	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
1,1-Dichloroethene	ND		4.2	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
1,2-Dichloropropane	ND		4.2	0.46	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
1,4-Dioxane	ND		840	230	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Ethylbenzene	ND		4.2	0.54	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
2-Hexanone	ND		4.2	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Isopropylbenzene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Methyl acetate	ND		4.2	0.76	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Methylcyclohexane	ND		4.2	0.61	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Methylene Chloride	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Methyl tert-butyl ether	ND		4.2	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
m-Xylene & p-Xylene	ND		8.4	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
o-Xylene	ND		4.2	0.66	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Styrene	ND		4.2	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.61	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Tetrachloroethene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Toluene	ND		4.2	0.62	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
trans-1,2-Dichloroethene	ND		4.2	0.50	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
trans-1,3-Dichloropropene	ND		4.2	0.50	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
1,2,3-Trichlorobenzene	ND		4.2	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
1,2,4-Trichlorobenzene	ND		4.2	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
1,1,1-Trichloroethane	ND		4.2	0.41	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
1,1,2-Trichloroethane	ND		4.2	0.70	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Trichloroethene	ND		4.2	0.56	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Trichlorofluoromethane	ND		4.2	0.78	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.90	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1
Vinyl chloride	ND		4.2	0.40	ug/Kg	☼	08/22/14 04:01	08/22/14 14:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 04:01*	*08/22/14 14:21*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35818-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B26-A-6-8 (7)
Lab Sample ID: 180-35818-57
Date Collected: 08/14/14 08:46
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*63 - 120*	*08/22/14 04:01*	*08/22/14 14:21*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/22/14 04:01*	*08/22/14 14:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*52 - 124*	*08/22/14 04:01*	*08/22/14 14:21*	*1*
Toluene-d8 (Surr)	*105*		*72 - 127*	*08/22/14 04:01*	*08/22/14 14:21*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	6.9	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Acenaphthylene	ND		72	8.2	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Acetophenone	ND		350	29	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Anthracene	ND		72	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Atrazine	ND		350	35	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Benzaldehyde	ND		350	54	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Benzo[a]anthracene	ND		72	9.0	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Benzo[a]pyrene	ND		72	7.2	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Benzo[b]fluoranthene	ND		72	11	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Benzo[g,h,i]perylene	ND		72	7.1	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Benzo[k]fluoranthene	ND		72	14	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Bis(2-chloroethoxy)methane	ND		350	24	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Bis(2-chloroethyl)ether	ND		72	9.6	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Butyl benzyl phthalate	ND		350	49	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Carbazole	ND		72	6.6	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
4-Chloroaniline	ND		350	29	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
2-Chloronaphthalene	ND		72	7.5	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
4-Chlorophenyl phenyl ether	ND		350	40	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Chrysene	ND		72	8.5	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Dibenz(a,h)anthracene	ND		72	8.0	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
3,3'-Dichlorobenzidine	ND		350	38	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
2,4-Dimethylphenol	ND		350	56	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Di-n-butyl phthalate	ND		350	45	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Di-n-octyl phthalate	ND		350	38	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Fluoranthene	ND		72	7.6	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Fluorene	ND		72	9.4	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Hexachlorobenzene	ND		72	7.6	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1

Client Sample ID: SSHS-B26-A-6-8 (7) **Lab Sample ID: 180-35818-57**
Date Collected: 08/14/14 08:46 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 93.3**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		350	39	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Hexachloroethane	ND		350	26	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Indeno[1,2,3-cd]pyrene	ND		72	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Isophorone	ND		350	27	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
2-Methylnaphthalene	ND		72	6.4	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Naphthalene	ND		72	6.2	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
2,2'-oxybis[1-chloropropane]	ND		72	7.7	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Phenanthrene	ND		72	11	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Phenol	ND		72	8.5	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
Pyrene	ND		72	7.2	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1
2,4,6-Trichlorophenol	ND		350	54	ug/Kg	☼	08/27/14 12:20	08/28/14 21:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190*	*T J*	*ug/Kg*	☼	*10.77*		*08/27/14 12:20*	*08/28/14 21:18*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*13.11*		*08/27/14 12:20*	*08/28/14 21:18*	*1*
Unknown	*370*	*T J*	*ug/Kg*	☼	*14.83*		*08/27/14 12:20*	*08/28/14 21:18*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*18.39*		*08/27/14 12:20*	*08/28/14 21:18*	*1*
Unknown	*550*	*T J*	*ug/Kg*	☼	*19.02*		*08/27/14 12:20*	*08/28/14 21:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 105*	*08/27/14 12:20*	*08/28/14 21:18*	*1*
2-Fluorophenol (Surr)	*67*		*39 - 103*	*08/27/14 12:20*	*08/28/14 21:18*	*1*
Nitrobenzene-d5 (Surr)	*69*		*25 - 104*	*08/27/14 12:20*	*08/28/14 21:18*	*1*
Phenol-d5 (Surr)	*68*		*25 - 105*	*08/27/14 12:20*	*08/28/14 21:18*	*1*
Terphenyl-d14 (Surr)	*63*		*25 - 127*	*08/27/14 12:20*	*08/28/14 21:18*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*35 - 124*	*08/27/14 12:20*	*08/28/14 21:18*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
beta-BHC	ND		1.8	0.45	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
4,4'-DDE	ND		1.8	0.26	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
4,4'-DDT	**3.1**	**p**	1.8	0.26	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1

Client Sample ID: SSHS-B26-A-6-8 (7) **Lab Sample ID: 180-35818-57**

Date Collected: 08/14/14 08:46 **Matrix: Solid**

Date Received: 08/15/14 09:10 **Percent Solids: 93.3**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
Dieldrin	**1.6**	**J**	1.8	0.29	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
Endosulfan I	**0.68**	**J**	1.8	0.33	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
Endosulfan sulfate	**1.2**	**J p**	1.8	0.18	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
Endrin	**1.1**	**J p**	1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
Endrin aldehyde	**1.5**	**J p**	1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
gamma-Chlordane	**0.72**	**J**	1.8	0.35	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
Methoxychlor	**0.63**	**J p**	3.5	0.37	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1
Toxaphene	ND		70	12	ug/Kg	☼	08/26/14 22:14	08/28/14 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 130*	*08/26/14 22:14*	*08/28/14 20:46*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 130*	*08/26/14 22:14*	*08/28/14 20:46*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/26/14 22:14*	*08/28/14 20:46*	*1*
Tetrachloro-m-xylene	*78*		*45 - 130*	*08/26/14 22:14*	*08/28/14 20:46*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/26/14 22:14	08/31/14 23:49	1
PCB-1221	ND		18	3.3	ug/Kg	☼	08/26/14 22:14	08/31/14 23:49	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/26/14 22:14	08/31/14 23:49	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/26/14 22:14	08/31/14 23:49	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/26/14 22:14	08/31/14 23:49	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/26/14 22:14	08/31/14 23:49	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/26/14 22:14	08/31/14 23:49	1
PCB-1262	ND		18	3.8	ug/Kg	☼	08/26/14 22:14	08/31/14 23:49	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/26/14 22:14	08/31/14 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*45 - 125*	*08/26/14 22:14*	*08/31/14 23:49*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/26/14 22:14*	*09/01/14 00:21*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*	*08/26/14 22:14*	*08/31/14 23:49*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*45 - 135*	*08/26/14 22:14*	*09/01/14 00:21*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5700**		19	2.0	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Antimony	ND		0.97	0.19	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Arsenic	**6.1**		0.97	0.30	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Barium	**82**		19	0.012	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Beryllium	**0.23**	**J**	0.39	0.011	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Cadmium	**0.045**	**J**	0.48	0.014	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Calcium	**45000**		480	1.5	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Chromium	**11**		0.48	0.075	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Cobalt	**5.5**		4.8	0.040	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1

Client Sample Results

Client Sample ID: SSHS-B26-A-6-8 (7)

Lab Sample ID: 180-35818-57

Date Collected: 08/14/14 08:46
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 93.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	**28**		2.4	0.14	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Iron	**14000**		9.7	0.86	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Lead	**6.7**		0.97	0.099	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Magnesium	**8600**		480	2.0	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Manganese	**420**		1.4	0.086	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Nickel	**47**		3.9	0.046	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Potassium	**630**		480	6.2	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Selenium	ND		0.97	0.26	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Silver	ND		0.48	0.039	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Sodium	**66**	**J**	480	1.0	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Thallium	ND		1.9	0.14	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Vanadium	**11**		4.8	0.17	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1
Zinc	**49**	**B**	1.9	0.10	mg/Kg	☼	08/21/14 13:05	08/28/14 12:58	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.011	mg/Kg	☼	08/27/14 09:14	08/27/14 14:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.7**		0.10	0.10	%			08/18/14 10:58	1
Percent Solids	**93**		0.10	0.10	%			08/18/14 10:58	1
Cyanide, Total	**0.47**	**J B**	0.55	0.16	mg/Kg	☼	08/25/14 10:00	08/25/14 14:10	1

Client Sample ID: SSHS-B26-A-13.5-15.5 (15)

Lab Sample ID: 180-35818-58

Date Collected: 08/14/14 09:06
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 95.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.2	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Benzene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Bromoform	ND		4.2	0.37	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Bromomethane	ND		4.2	0.62	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
2-Butanone (MEK)	ND		4.2	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Carbon disulfide	ND		4.2	0.43	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Carbon tetrachloride	ND		4.2	0.37	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Chlorobenzene	ND		4.2	0.64	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Chlorobromomethane	ND		4.2	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Chlorodibromomethane	ND		4.2	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Chloroethane	ND		4.2	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Chloroform	ND		4.2	0.49	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Chloromethane	ND		4.2	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
cis-1,2-Dichloroethene	ND		4.2	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
cis-1,3-Dichloropropene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Cyclohexane	ND		4.2	0.31	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
1,2-Dibromo-3-Chloropropane	ND		4.2	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
1,2-Dibromoethane	ND		4.2	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
1,2-Dichlorobenzene	ND		4.2	0.67	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
1,3-Dichlorobenzene	ND		4.2	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B26-A-13.5-15.5 (15)
Date Collected: 08/14/14 09:06
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-58
Matrix: Solid
Percent Solids: 95.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		4.2	0.53	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Dichlorobromomethane	ND		4.2	0.47	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Dichlorodifluoromethane	ND		4.2	0.56	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
1,1-Dichloroethane	ND		4.2	0.48	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
1,2-Dichloroethane	ND		4.2	0.51	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
1,1-Dichloroethene	ND		4.2	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
1,2-Dichloropropane	ND		4.2	0.46	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
1,4-Dioxane	ND		840	230	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Ethylbenzene	ND		4.2	0.54	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
2-Hexanone	ND		4.2	0.58	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Isopropylbenzene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Methyl acetate	ND		4.2	0.76	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Methylcyclohexane	ND		4.2	0.61	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Methylene Chloride	ND		4.2	0.56	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Methyl tert-butyl ether	ND		4.2	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
m-Xylene & p-Xylene	ND		8.4	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
o-Xylene	ND		4.2	0.65	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Styrene	ND		4.2	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Tetrachloroethene	ND		4.2	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Toluene	ND		4.2	0.61	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
trans-1,2-Dichloroethene	ND		4.2	0.50	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
trans-1,3-Dichloropropene	ND		4.2	0.50	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
1,2,3-Trichlorobenzene	ND		4.2	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
1,2,4-Trichlorobenzene	ND		4.2	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
1,1,1-Trichloroethane	ND		4.2	0.41	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
1,1,2-Trichloroethane	ND		4.2	0.70	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Trichloroethene	ND		4.2	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Trichlorofluoromethane	ND		4.2	0.77	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.2**	**J**	4.2	0.90	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1
Vinyl chloride	ND		4.2	0.39	ug/Kg	☼	08/22/14 04:01	08/22/14 14:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 04:01*	*08/22/14 14:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*	*08/22/14 04:01*	*08/22/14 14:43*	*1*
Dibromofluoromethane (Surr)	*107*		*68 - 121*	*08/22/14 04:01*	*08/22/14 14:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*52 - 124*	*08/22/14 04:01*	*08/22/14 14:43*	*1*
Toluene-d8 (Surr)	*107*		*72 - 127*	*08/22/14 04:01*	*08/22/14 14:43*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	6.7	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Acenaphthylene	ND		70	8.0	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Acetophenone	ND		340	29	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Anthracene	ND		70	6.8	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Atrazine	ND		340	34	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1

Client Sample Results

Client Sample ID: SSHS-B26-A-13.5-15.5 (15)
Lab Sample ID: 180-35818-58
Date Collected: 08/14/14 09:06
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 95.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		340	52	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Benzo[a]anthracene	ND		70	8.7	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Benzo[a]pyrene	ND		70	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Benzo[b]fluoranthene	ND		70	11	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Benzo[g,h,i]perylene	ND		70	6.9	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Benzo[k]fluoranthene	ND		70	14	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
1,1'-Biphenyl	ND		340	31	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Bis(2-chloroethoxy)methane	ND		340	23	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Bis(2-chloroethyl)ether	ND		70	9.3	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Bis(2-ethylhexyl) phthalate	ND		700	56	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
4-Bromophenyl phenyl ether	ND		340	30	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Butyl benzyl phthalate	ND		340	47	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Caprolactam	ND		1800	260	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Carbazole	ND		70	6.4	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
4-Chloroaniline	ND		340	28	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
4-Chloro-3-methylphenol	ND		340	32	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
2-Chloronaphthalene	ND		70	7.2	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
2-Chlorophenol	ND		340	28	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
4-Chlorophenyl phenyl ether	ND		340	39	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Chrysene	ND		70	8.3	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Dibenz(a,h)anthracene	ND		70	7.7	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Dibenzofuran	ND		340	34	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
3,3'-Dichlorobenzidine	ND		340	37	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
2,4-Dichlorophenol	ND		70	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Diethyl phthalate	ND		340	38	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
2,4-Dimethylphenol	ND		340	54	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Dimethyl phthalate	ND		340	38	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Di-n-butyl phthalate	ND		340	44	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
2,4-Dinitrophenol	ND		1800	410	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
2,4-Dinitrotoluene	ND		340	28	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
2,6-Dinitrotoluene	ND		340	36	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Di-n-octyl phthalate	ND		340	37	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
1,4-Dioxane	ND		700	40	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Fluoranthene	**18**	**J**	70	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Fluorene	ND		70	9.2	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Hexachlorobenzene	ND		70	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Hexachlorobutadiene	ND		70	7.8	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Hexachlorocyclopentadiene	ND		340	37	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Hexachloroethane	ND		340	25	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Indeno[1,2,3-cd]pyrene	ND		70	7.2	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Isophorone	ND		340	26	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
2-Methylnaphthalene	ND		70	6.2	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
2-Methylphenol	ND		340	24	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Methylphenol, 3 & 4	ND		340	34	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Naphthalene	ND		70	6.0	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
3-Nitroaniline	ND		1800	140	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B26-A-13.5-15.5 (15)
Date Collected: 08/14/14 09:06
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-58
Matrix: Solid
Percent Solids: 95.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		700	29	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
2-Nitrophenol	ND		340	38	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
N-Nitrosodi-n-propylamine	ND		70	8.1	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
N-Nitrosodiphenylamine	ND		340	32	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
2,2'-oxybis[1-chloropropane]	ND		70	7.5	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Pentachlorophenol	ND		340	31	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Phenanthrene	**18**	**J**	70	11	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Phenol	ND		70	8.2	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
Pyrene	**11**	**J**	70	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
1,2,4,5-Tetrachlorobenzene	ND		340	26	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
2,3,4,6-Tetrachlorophenol	ND		340	22	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
2,4,5-Trichlorophenol	ND		340	37	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1
2,4,6-Trichlorophenol	ND		340	52	ug/Kg	☼	08/27/14 12:20	08/28/14 21:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*390*	*T J*	*ug/Kg*	☼	*13.09*		*08/27/14 12:20*	*08/28/14 21:46*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*13.15*		*08/27/14 12:20*	*08/28/14 21:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*08/27/14 12:20*	*08/28/14 21:46*	*1*
2-Fluorophenol (Surr)	*63*		*39 - 103*	*08/27/14 12:20*	*08/28/14 21:46*	*1*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/27/14 12:20*	*08/28/14 21:46*	*1*
Phenol-d5 (Surr)	*68*		*25 - 105*	*08/27/14 12:20*	*08/28/14 21:46*	*1*
Terphenyl-d14 (Surr)	*68*		*25 - 127*	*08/27/14 12:20*	*08/28/14 21:46*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*35 - 124*	*08/27/14 12:20*	*08/28/14 21:46*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
alpha-BHC	ND		1.8	0.28	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
beta-BHC	ND		1.8	0.45	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
4,4'-DDE	ND		1.8	0.26	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
gamma-Chlordane	ND		1.8	0.34	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
Methoxychlor	ND		3.5	0.36	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1
Toxaphene	ND		70	12	ug/Kg	☼	08/27/14 16:04	08/29/14 02:44	1

Client Sample Results

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

Client Sample ID: SSHS-B26-A-13.5-15.5 (15)
Lab Sample ID: 180-35818-58
Date Collected: 08/14/14 09:06
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 95.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/27/14 16:04*	*08/29/14 02:44*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 130*	*08/27/14 16:04*	*08/29/14 02:44*	*1*
Tetrachloro-m-xylene	*86*		*45 - 130*	*08/27/14 16:04*	*08/29/14 02:44*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/27/14 16:04*	*08/29/14 02:44*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.6	ug/Kg	☼	08/27/14 16:04	08/30/14 05:47	1
PCB-1221	ND		17	3.3	ug/Kg	☼	08/27/14 16:04	08/30/14 05:47	1
PCB-1232	ND		17	3.0	ug/Kg	☼	08/27/14 16:04	08/30/14 05:47	1
PCB-1242	ND		17	2.8	ug/Kg	☼	08/27/14 16:04	08/30/14 05:47	1
PCB-1248	ND		17	1.7	ug/Kg	☼	08/27/14 16:04	08/30/14 05:47	1
PCB-1254	ND		17	2.5	ug/Kg	☼	08/27/14 16:04	08/30/14 05:47	1
PCB-1260	ND		17	2.5	ug/Kg	☼	08/27/14 16:04	08/30/14 05:47	1
PCB-1262	ND		17	3.8	ug/Kg	☼	08/27/14 16:04	08/30/14 05:47	1
PCB-1268	ND		17	2.2	ug/Kg	☼	08/27/14 16:04	08/30/14 05:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*45 - 125*	*08/27/14 16:04*	*08/30/14 05:47*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/27/14 16:04*	*08/30/14 06:18*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*45 - 135*	*08/27/14 16:04*	*08/30/14 05:47*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*45 - 135*	*08/27/14 16:04*	*08/30/14 06:18*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5000**		22	2.3	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Antimony	**0.56**	**J**	1.1	0.22	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Arsenic	**6.6**		1.1	0.33	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Barium	**53**		22	0.014	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Beryllium	**0.20**	**J**	0.43	0.012	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Cadmium	ND		0.54	0.015	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Calcium	**47000**		540	1.6	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Chromium	**7.1**		0.54	0.083	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Cobalt	**4.7**	**J**	5.4	0.045	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Copper	**23**		2.7	0.16	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Iron	**13000**	**B**	11	0.96	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Lead	**5.3**		1.1	0.11	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Magnesium	**12000**		540	2.2	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Manganese	**480**		1.6	0.096	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Nickel	**18**		4.3	0.051	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Potassium	**550**	**B**	540	6.9	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Selenium	**0.70**	**J**	1.1	0.29	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Silver	ND		0.54	0.044	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Sodium	**78**	**J**	540	1.1	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Vanadium	**8.7**		5.4	0.19	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1
Zinc	**49**	**B**	2.2	0.11	mg/Kg	☼	08/21/14 13:06	08/28/14 15:22	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.011	mg/Kg	☼	08/27/14 09:14	08/27/14 14:13	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B26-A-13.5-15.5 (15) Lab Sample ID: 180-35818-58

Date Collected: 08/14/14 09:06 **Matrix: Solid**
Date Received: 08/15/14 09:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.6**		0.10	0.10	%			08/18/14 10:58	1
Percent Solids	**95**		0.10	0.10	%			08/18/14 10:58	1
Cyanide, Total	**0.62**	**B**	0.52	0.15	mg/Kg	☼	08/25/14 10:00	08/25/14 14:10	1

Client Sample ID: SSHS-B70-SS Lab Sample ID: 180-35818-59

Date Collected: 08/14/14 14:52 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 78.2**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	6.0	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Benzene	ND		6.0	0.81	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Bromoform	ND		6.0	0.53	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Bromomethane	ND		6.0	0.89	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
2-Butanone (MEK)	ND		6.0	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Carbon disulfide	ND		6.0	0.62	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Carbon tetrachloride	ND		6.0	0.54	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Chlorobenzene	ND		6.0	0.91	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Chlorobromomethane	ND		6.0	0.83	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Chlorodibromomethane	ND		6.0	0.86	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Chloroethane	ND		6.0	1.9	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Chloroform	ND		6.0	0.71	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Chloromethane	ND		6.0	1.0	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
cis-1,2-Dichloroethene	ND		6.0	0.85	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
cis-1,3-Dichloropropene	ND		6.0	0.82	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Cyclohexane	ND		6.0	0.45	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
1,2-Dibromo-3-Chloropropane	ND		6.0	0.90	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
1,2-Dibromoethane	ND		6.0	1.0	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
1,2-Dichlorobenzene	ND		6.0	0.96	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
1,3-Dichlorobenzene	ND		6.0	0.79	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
1,4-Dichlorobenzene	ND		6.0	0.77	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Dichlorobromomethane	ND		6.0	0.68	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Dichlorodifluoromethane	ND		6.0	0.80	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
1,1-Dichloroethane	ND		6.0	0.69	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
1,2-Dichloroethane	ND		6.0	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
1,1-Dichloroethene	ND		6.0	1.0	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
1,2-Dichloropropane	ND		6.0	0.65	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
1,4-Dioxane	ND		1200	330	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Ethylbenzene	ND		6.0	0.77	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
2-Hexanone	ND		6.0	0.83	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Isopropylbenzene	ND		6.0	0.82	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Methyl acetate	ND		6.0	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Methylcyclohexane	ND		6.0	0.87	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Methylene Chloride	ND		6.0	0.81	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
4-Methyl-2-pentanone (MIBK)	ND		6.0	0.79	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Methyl tert-butyl ether	ND		6.0	0.90	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
m-Xylene & p-Xylene	ND		12	1.8	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
o-Xylene	ND		6.0	0.94	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Styrene	ND		6.0	0.85	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
1,1,2,2-Tetrachloroethane	ND		6.0	0.87	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1

Client Sample Results

Client Sample ID: SSHS-B70-SS

Date Collected: 08/14/14 14:52
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-59
Matrix: Solid
Percent Solids: 78.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		6.0	0.82	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Toluene	ND		6.0	0.88	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
trans-1,2-Dichloroethene	ND		6.0	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
trans-1,3-Dichloropropene	ND		6.0	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
1,2,3-Trichlorobenzene	ND		6.0	1.0	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
1,2,4-Trichlorobenzene	ND		6.0	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
1,1,1-Trichloroethane	ND		6.0	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
1,1,2-Trichloroethane	ND		6.0	1.0	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Trichloroethene	ND		6.0	0.79	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Trichlorofluoromethane	ND		6.0	1.1	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0	1.3	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1
Vinyl chloride	ND		6.0	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 15:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 04:01*	*08/22/14 15:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*63 - 120*	*08/22/14 04:01*	*08/22/14 15:05*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/22/14 04:01*	*08/22/14 15:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*52 - 124*	*08/22/14 04:01*	*08/22/14 15:05*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/22/14 04:01*	*08/22/14 15:05*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		86	8.2	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Acenaphthylene	**44**	**J**	86	9.8	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Acetophenone	ND		420	35	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Anthracene	**36**	**J**	86	8.4	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Atrazine	ND		420	42	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Benzaldehyde	ND		420	64	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Benzo[a]anthracene	**130**		86	11	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Benzo[a]pyrene	**150**		86	8.5	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Benzo[b]fluoranthene	**200**		86	13	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Benzo[g,h,i]perylene	**150**		86	8.5	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Benzo[k]fluoranthene	**81**	**J**	86	17	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
1,1'-Biphenyl	ND		420	38	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Bis(2-chloroethoxy)methane	ND		420	28	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Bis(2-chloroethyl)ether	ND		86	11	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Bis(2-ethylhexyl) phthalate	ND		860	69	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
4-Bromophenyl phenyl ether	ND		420	37	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Butyl benzyl phthalate	ND		420	58	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Caprolactam	ND		2200	320	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Carbazole	ND		86	7.9	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
4-Chloroaniline	ND		420	34	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
4-Chloro-3-methylphenol	ND		420	39	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
2-Chloronaphthalene	ND		86	8.9	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
2-Chlorophenol	ND		420	35	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
4-Chlorophenyl phenyl ether	ND		420	47	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Chrysene	**160**		86	10	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Dibenz(a,h)anthracene	**40**	**J**	86	9.5	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1

Client Sample ID: SSHS-B70-SS **Lab Sample ID: 180-35818-59**
Date Collected: 08/14/14 14:52 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 78.2**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		420	42	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
3,3'-Dichlorobenzidine	ND		420	45	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
2,4-Dichlorophenol	ND		86	8.6	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Diethyl phthalate	ND		420	47	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
2,4-Dimethylphenol	ND		420	67	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Dimethyl phthalate	ND		420	47	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Di-n-butyl phthalate	ND		420	53	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
4,6-Dinitro-2-methylphenol	ND		2200	170	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
2,4-Dinitrophenol	ND		2200	510	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
2,4-Dinitrotoluene	ND		420	34	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
2,6-Dinitrotoluene	ND		420	44	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Di-n-octyl phthalate	ND		420	45	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
1,4-Dioxane	ND		860	49	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Fluoranthene	**250**		86	9.1	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Fluorene	ND		86	11	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Hexachlorobenzene	ND		86	9.1	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Hexachlorobutadiene	ND		86	9.6	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Hexachlorocyclopentadiene	ND		420	46	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Hexachloroethane	ND		420	31	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Indeno[1,2,3-cd]pyrene	**120**		86	8.8	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Isophorone	ND		420	32	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
2-Methylnaphthalene	**13**	**J**	86	7.7	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
2-Methylphenol	ND		420	30	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Methylphenol, 3 & 4	ND		420	42	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Naphthalene	ND		86	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
2-Nitroaniline	ND		2200	190	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
3-Nitroaniline	ND		2200	180	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
4-Nitroaniline	ND		2200	170	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Nitrobenzene	ND		860	36	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
2-Nitrophenol	ND		420	47	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
4-Nitrophenol	ND		2200	160	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
N-Nitrosodi-n-propylamine	ND		86	10	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
N-Nitrosodiphenylamine	ND		420	40	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
2,2'-oxybis[1-chloropropane]	ND		86	9.2	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Pentachlorophenol	ND		420	38	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Phenanthrene	**76**	**J**	86	14	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Phenol	ND		86	10	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
Pyrene	**210**		86	8.6	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
1,2,4,5-Tetrachlorobenzene	ND		420	32	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
2,3,4,6-Tetrachlorophenol	ND		420	27	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
2,4,5-Trichlorophenol	ND		420	46	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1
2,4,6-Trichlorophenol	ND		420	64	ug/Kg	☼	08/27/14 12:20	08/28/14 22:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*290*	*T J*	*ug/Kg*	☼	*14.40*		*08/27/14 12:20*	*08/28/14 22:14*	*1*
Unknown Straight Chain Alkane	*190*	*T J*	*ug/Kg*	☼	*15.19*		*08/27/14 12:20*	*08/28/14 22:14*	*1*
Unknown	*460*	*T J*	*ug/Kg*	☼	*15.75*		*08/27/14 12:20*	*08/28/14 22:14*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*16.06*		*08/27/14 12:20*	*08/28/14 22:14*	*1*
Unknown	*2800*	*T J*	*ug/Kg*	☼	*16.21*		*08/27/14 12:20*	*08/28/14 22:14*	*1*
Unknown Straight Chain Alkane	*520*	*T J*	*ug/Kg*	☼	*16.63*		*08/27/14 12:20*	*08/28/14 22:14*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B70-SS

Date Collected: 08/14/14 14:52
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-59
Matrix: Solid
Percent Solids: 78.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1900*	*T J*	*ug/Kg*	☼	*16.66*		*08/27/14 12:20*	*08/28/14 22:14*	*1*
Unknown PAH	*200*	*T J*	*ug/Kg*	☼	*16.95*		*08/27/14 12:20*	*08/28/14 22:14*	*1*
Unknown	*2000*	*T J*	*ug/Kg*	☼	*17.70*		*08/27/14 12:20*	*08/28/14 22:14*	*1*
Unknown Straight Chain Alkane	*1400*	*T J*	*ug/Kg*	☼	*18.09*		*08/27/14 12:20*	*08/28/14 22:14*	*1*
Unknown	*440*	*T J*	*ug/Kg*	☼	*18.17*		*08/27/14 12:20*	*08/28/14 22:14*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*18.28*		*08/27/14 12:20*	*08/28/14 22:14*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*18.45*		*08/27/14 12:20*	*08/28/14 22:14*	*1*
Unknown	*2100*	*T J*	*ug/Kg*	☼	*19.24*		*08/27/14 12:20*	*08/28/14 22:14*	*1*
Unknown Straight Chain Alkane	*920*	*T J*	*ug/Kg*	☼	*19.65*		*08/27/14 12:20*	*08/28/14 22:14*	*1*
Unknown	*520*	*T J*	*ug/Kg*	☼	*19.78*		*08/27/14 12:20*	*08/28/14 22:14*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*19.90*		*08/27/14 12:20*	*08/28/14 22:14*	*1*
Unknown	*360*	*T J*	*ug/Kg*	☼	*19.97*		*08/27/14 12:20*	*08/28/14 22:14*	*1*
Unknown	*440*	*T J*	*ug/Kg*	☼	*20.31*		*08/27/14 12:20*	*08/28/14 22:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*35 - 105*	*08/27/14 12:20*	*08/28/14 22:14*	*1*
2-Fluorophenol (Surr)	*57*		*39 - 103*	*08/27/14 12:20*	*08/28/14 22:14*	*1*
Nitrobenzene-d5 (Surr)	*61*		*25 - 104*	*08/27/14 12:20*	*08/28/14 22:14*	*1*
Phenol-d5 (Surr)	*61*		*25 - 105*	*08/27/14 12:20*	*08/28/14 22:14*	*1*
Terphenyl-d14 (Surr)	*64*		*25 - 127*	*08/27/14 12:20*	*08/28/14 22:14*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*35 - 124*	*08/27/14 12:20*	*08/28/14 22:14*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**1.2**	**J p**	2.2	0.38	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
alpha-BHC	ND		2.2	0.35	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
alpha-Chlordane	**0.45**	**J p**	2.2	0.42	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
beta-BHC	ND		2.2	0.55	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
4,4'-DDD	**1.2**	**J p**	2.2	0.28	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
4,4'-DDE	ND		2.2	0.32	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
4,4'-DDT	**14**		2.2	0.32	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
delta-BHC	**0.73**	**J p**	2.2	0.33	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
Dieldrin	ND		2.2	0.36	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
Endosulfan I	**0.91**	**J**	2.2	0.40	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
Endosulfan II	**0.76**	**J p**	2.2	0.38	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
Endosulfan sulfate	**0.68**	**J p**	2.2	0.22	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
Endrin	**5.8**	**p**	2.2	0.41	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
Endrin aldehyde	**0.93**	**J p**	2.2	0.41	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
Endrin ketone	**1.0**	**J p**	2.2	0.33	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
gamma-BHC (Lindane)	ND		2.2	0.37	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
gamma-Chlordane	**8.8**		2.2	0.42	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
Heptachlor	ND		2.2	0.47	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
Heptachlor epoxide	**13**		2.2	0.42	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
Methoxychlor	**0.57**	**J p**	4.2	0.44	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1
Toxaphene	ND		86	14	ug/Kg	☼	08/27/14 16:04	08/29/14 02:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 130*	*08/27/14 16:04*	*08/29/14 02:59*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 130*	*08/27/14 16:04*	*08/29/14 02:59*	*1*
Tetrachloro-m-xylene	*68*		*45 - 130*	*08/27/14 16:04*	*08/29/14 02:59*	*1*

Client Sample ID: SSHS-B70-SS **Lab Sample ID: 180-35818-59**
Date Collected: 08/14/14 14:52 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 78.2**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*64*		*45 - 130*	*08/27/14 16:04*	*08/29/14 02:59*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	3.2	ug/Kg	☼	08/27/14 16:04	08/30/14 06:49	1
PCB-1221	ND		21	4.1	ug/Kg	☼	08/27/14 16:04	08/30/14 06:49	1
PCB-1232	ND		21	3.7	ug/Kg	☼	08/27/14 16:04	08/30/14 06:49	1
PCB-1242	ND		21	3.5	ug/Kg	☼	08/27/14 16:04	08/30/14 06:49	1
PCB-1248	**740**		21	2.0	ug/Kg	☼	08/27/14 16:04	08/30/14 06:49	1
PCB-1254	ND		21	3.0	ug/Kg	☼	08/27/14 16:04	08/30/14 06:49	1
PCB-1260	**83**		21	3.0	ug/Kg	☼	08/27/14 16:04	08/30/14 06:49	1
PCB-1262	ND		21	4.7	ug/Kg	☼	08/27/14 16:04	08/30/14 06:49	1
PCB-1268	ND		21	2.7	ug/Kg	☼	08/27/14 16:04	08/30/14 06:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*65*		*45 - 125*	*08/27/14 16:04*	*08/30/14 06:18*	*1*
DCB Decachlorobiphenyl (Surr)	*65*		*45 - 125*	*08/27/14 16:04*	*08/30/14 06:49*	*1*
Tetrachloro-m-xylene (Surr)	*66*		*45 - 135*	*08/27/14 16:04*	*08/30/14 06:18*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*45 - 135*	*08/27/14 16:04*	*08/30/14 06:49*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		25	2.6	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Antimony	ND		1.2	0.25	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Arsenic	**8.5**		1.2	0.38	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Barium	**110**		25	0.016	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Beryllium	**0.58**		0.49	0.014	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Cadmium	ND		0.62	0.018	mg/Kg	☼	08/21/14 13:06	08/29/14 09:47	1
Calcium	**2200**		620	1.8	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Chromium	**14**		0.62	0.095	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Cobalt	**9.0**		6.2	0.051	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Copper	**18**		3.1	0.18	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Iron	**21000**	**B**	12	1.1	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Lead	**23**		1.2	0.13	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Magnesium	**2800**		620	2.5	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Manganese	**650**		1.8	0.11	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Nickel	**20**		4.9	0.058	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Potassium	**1100**	**B**	620	7.9	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Selenium	**0.53**	**J**	1.2	0.33	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Silver	ND		0.62	0.050	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Sodium	**37**	**J**	620	1.3	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Thallium	ND		2.5	0.18	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Vanadium	**16**		6.2	0.21	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1
Zinc	**61**	**B**	2.5	0.13	mg/Kg	☼	08/21/14 13:06	08/28/14 15:27	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**	**J**	0.042	0.014	mg/Kg	☼	08/27/14 09:14	08/27/14 14:18	1

Client Sample ID: SSHS-B70-SS

Date Collected: 08/14/14 14:52
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-59
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**22**		0.10	0.10	%			08/18/14 10:58	1
Percent Solids	**78**		0.10	0.10	%			08/18/14 10:58	1
Cyanide, Total	**0.34**	**J B**	0.64	0.19	mg/Kg	☼	08/25/14 10:00	08/25/14 14:10	1

Client Sample ID: SSHS-B70-0.17-2 (1)

Date Collected: 08/14/14 14:54
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-60
Matrix: Solid
Percent Solids: 88.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	5.9	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Benzene	ND		5.9	0.80	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Bromoform	ND		5.9	0.53	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Bromomethane	ND		5.9	0.88	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
2-Butanone (MEK)	ND		5.9	1.0	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Carbon disulfide	ND		5.9	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Carbon tetrachloride	ND	*	5.9	0.53	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Chlorobenzene	ND		5.9	0.90	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Chlorobromomethane	ND		5.9	0.82	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Chlorodibromomethane	ND		5.9	0.84	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Chloroethane	ND		5.9	1.8	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Chloroform	ND		5.9	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Chloromethane	ND		5.9	1.0	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
cis-1,2-Dichloroethene	ND		5.9	0.84	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
cis-1,3-Dichloropropene	ND		5.9	0.81	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Cyclohexane	ND		5.9	0.44	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
1,2-Dibromo-3-Chloropropane	ND		5.9	0.89	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
1,2-Dibromoethane	ND		5.9	1.0	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
1,2-Dichlorobenzene	ND		5.9	0.95	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
1,3-Dichlorobenzene	ND		5.9	0.78	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
1,4-Dichlorobenzene	ND		5.9	0.76	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Dichlorobromomethane	ND		5.9	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Dichlorodifluoromethane	ND		5.9	0.79	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
1,1-Dichloroethane	ND		5.9	0.68	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
1,2-Dichloroethane	ND		5.9	0.73	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
1,1-Dichloroethene	ND		5.9	1.0	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
1,2-Dichloropropane	ND		5.9	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
1,4-Dioxane	ND		1200	330	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Ethylbenzene	ND		5.9	0.76	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
2-Hexanone	ND		5.9	0.82	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Isopropylbenzene	ND		5.9	0.81	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Methyl acetate	ND		5.9	1.1	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Methylcyclohexane	ND		5.9	0.86	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Methylene Chloride	ND		5.9	0.80	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.9	0.78	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Methyl tert-butyl ether	ND		5.9	0.89	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
m-Xylene & p-Xylene	ND		12	1.7	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
o-Xylene	ND		5.9	0.93	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Styrene	ND		5.9	0.84	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
1,1,2,2-Tetrachloroethane	ND		5.9	0.85	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B70-0.17-2 (1)

Lab Sample ID: 180-35818-60

Date Collected: 08/14/14 14:54
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.9	0.81	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Toluene	ND		5.9	0.87	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
trans-1,2-Dichloroethene	ND	*	5.9	0.71	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
trans-1,3-Dichloropropene	ND		5.9	0.71	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
1,2,3-Trichlorobenzene	ND		5.9	1.0	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
1,2,4-Trichlorobenzene	ND		5.9	1.0	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
1,1,1-Trichloroethane	ND	*	5.9	0.58	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
1,1,2-Trichloroethane	ND		5.9	0.99	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Trichloroethene	ND		5.9	0.78	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Trichlorofluoromethane	ND		5.9	1.1	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.9	1.3	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1
Vinyl chloride	ND		5.9	0.56	ug/Kg	☼	08/22/14 20:52	08/23/14 01:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 20:52*	*08/23/14 01:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*	*08/22/14 20:52*	*08/23/14 01:29*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/22/14 20:52*	*08/23/14 01:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*52 - 124*	*08/22/14 20:52*	*08/23/14 01:29*	*1*
Toluene-d8 (Surr)	*101*		*72 - 127*	*08/22/14 20:52*	*08/23/14 01:29*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	7.2	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Acenaphthylene	**37**	**J**	76	8.6	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Acetophenone	ND		370	31	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Anthracene	**22**	**J**	76	7.4	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Atrazine	ND		370	37	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Benzaldehyde	ND		370	57	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Benzo[a]anthracene	**55**	**J**	76	9.5	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Benzo[a]pyrene	**67**	**J**	76	7.5	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Benzo[b]fluoranthene	**100**		76	12	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Benzo[g,h,i]perylene	**68**	**J**	76	7.5	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Benzo[k]fluoranthene	**18**	**J**	76	15	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
1,1'-Biphenyl	ND		370	34	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Bis(2-chloroethyl)ether	ND		76	10	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Bis(2-ethylhexyl) phthalate	ND		760	61	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
4-Bromophenyl phenyl ether	ND		370	33	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Butyl benzyl phthalate	ND		370	52	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Carbazole	ND		76	7.0	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
4-Chloro-3-methylphenol	ND		370	35	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
2-Chloronaphthalene	ND		76	7.9	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
4-Chlorophenyl phenyl ether	ND		370	42	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Chrysene	**67**	**J**	76	9.0	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Dibenz(a,h)anthracene	**18**	**J**	76	8.4	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1

Client Sample Results

Client Sample ID: SSHS-B70-0.17-2 (1)

Lab Sample ID: 180-35818-60

Date Collected: 08/14/14 14:54
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		370	37	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
3,3'-Dichlorobenzidine	ND		370	40	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
2,4-Dichlorophenol	ND		76	7.6	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
2,4-Dimethylphenol	ND		370	59	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Di-n-octyl phthalate	ND		370	40	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
1,4-Dioxane	ND		760	43	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Fluoranthene	**94**		76	8.1	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Fluorene	ND		76	9.9	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Hexachlorobenzene	ND		76	8.0	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Hexachlorobutadiene	ND		76	8.4	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Hexachlorocyclopentadiene	ND		370	41	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Indeno[1,2,3-cd]pyrene	**54**	**J**	76	7.8	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Isophorone	ND		370	28	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
2-Methylnaphthalene	**11**	**J**	76	6.8	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Naphthalene	ND		76	6.5	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
3-Nitroaniline	ND		1900	160	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Nitrobenzene	ND		760	31	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
2-Nitrophenol	ND		370	42	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
N-Nitrosodi-n-propylamine	ND		76	8.8	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
2,2'-oxybis[1-chloropropane]	ND		76	8.1	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Pentachlorophenol	ND		370	34	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Phenanthrene	**33**	**J**	76	12	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Phenol	ND		76	8.9	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
Pyrene	**82**		76	7.6	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
1,2,4,5-Tetrachlorobenzene	ND		370	29	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/27/14 12:20	08/28/14 22:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*890*	*T J*	*ug/Kg*	☼	*16.21*		*08/27/14 12:20*	*08/28/14 22:42*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*16.62*		*08/27/14 12:20*	*08/28/14 22:42*	*1*
Unknown	*670*	*T J*	*ug/Kg*	☼	*16.66*		*08/27/14 12:20*	*08/28/14 22:42*	*1*
Unknown	*450*	*T J*	*ug/Kg*	☼	*17.70*		*08/27/14 12:20*	*08/28/14 22:42*	*1*
Unknown	*370*	*T J*	*ug/Kg*	☼	*18.09*		*08/27/14 12:20*	*08/28/14 22:42*	*1*
Unknown	*520*	*T J*	*ug/Kg*	☼	*19.23*		*08/27/14 12:20*	*08/28/14 22:42*	*1*

Client Sample ID: SSHS-B70-0.17-2 (1)

Date Collected: 08/14/14 14:54
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-60
Matrix: Solid
Percent Solids: 88.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*170*	*T J*	*ug/Kg*	☼	*19.66*		*08/27/14 12:20*	*08/28/14 22:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*08/27/14 12:20*	*08/28/14 22:42*	*1*
2-Fluorophenol (Surr)	*64*		*39 - 103*	*08/27/14 12:20*	*08/28/14 22:42*	*1*
Nitrobenzene-d5 (Surr)	*70*		*25 - 104*	*08/27/14 12:20*	*08/28/14 22:42*	*1*
Phenol-d5 (Surr)	*68*		*25 - 105*	*08/27/14 12:20*	*08/28/14 22:42*	*1*
Terphenyl-d14 (Surr)	*72*		*25 - 127*	*08/27/14 12:20*	*08/28/14 22:42*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*35 - 124*	*08/27/14 12:20*	*08/28/14 22:42*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**4.0**	**p**	1.9	0.33	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
beta-BHC	ND		1.9	0.49	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
4,4'-DDD	**1.9**	**p**	1.9	0.25	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
4,4'-DDT	**16**		1.9	0.28	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
Endosulfan I	**1.8**	**J**	1.9	0.35	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
Endosulfan II	**0.53**	**J p**	1.9	0.33	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
Endosulfan sulfate	**1.3**	**J p**	1.9	0.20	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
Endrin	**7.8**	**p**	1.9	0.36	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
Endrin aldehyde	**0.40**	**J p**	1.9	0.36	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
Endrin ketone	**1.4**	**J p**	1.9	0.29	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
gamma-Chlordane	**31**		1.9	0.37	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
Heptachlor epoxide	**16**	**p**	1.9	0.36	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1
Toxaphene	ND		75	12	ug/Kg	☼	08/27/14 16:04	08/29/14 03:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 130*	*08/27/14 16:04*	*08/29/14 03:15*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*08/27/14 16:04*	*08/29/14 03:15*	*1*
Tetrachloro-m-xylene	*93*		*45 - 130*	*08/27/14 16:04*	*08/29/14 03:15*	*1*
Tetrachloro-m-xylene	*87*		*45 - 130*	*08/27/14 16:04*	*08/29/14 03:15*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/27/14 16:04	08/30/14 07:21	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/27/14 16:04	08/30/14 07:21	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/27/14 16:04	08/30/14 07:21	1
PCB-1242	ND		19	3.0	ug/Kg	☼	08/27/14 16:04	08/30/14 07:21	1
PCB-1248	**1400**		19	1.8	ug/Kg	☼	08/27/14 16:04	08/30/14 07:21	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/27/14 16:04	08/30/14 07:21	1
PCB-1260	**100**		19	2.7	ug/Kg	☼	08/27/14 16:04	08/30/14 07:21	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/27/14 16:04	08/30/14 07:21	1

Client Sample Results

Client Sample ID: SSHS-B70-0.17-2 (1)

Lab Sample ID: 180-35818-60
Date Collected: 08/14/14 14:54
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1268	ND		19	2.4	ug/Kg	☼	08/27/14 16:04	08/30/14 07:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/27/14 16:04*	*08/30/14 06:49*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 125*	*08/27/14 16:04*	*08/30/14 07:21*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*	*08/27/14 16:04*	*08/30/14 06:49*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*45 - 135*	*08/27/14 16:04*	*08/30/14 07:21*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		21	2.2	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Antimony	ND		1.0	0.21	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Arsenic	**7.5**		1.0	0.32	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Barium	**100**		21	0.013	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Beryllium	**0.53**		0.42	0.012	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Cadmium	ND		0.52	0.015	mg/Kg	☼	08/21/14 13:06	08/29/14 09:52	1
Calcium	**1700**		520	1.6	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Chromium	**12**		0.52	0.081	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Cobalt	**8.8**		5.2	0.044	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Copper	**15**		2.6	0.15	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Iron	**19000**	**B**	10	0.93	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Lead	**15**		1.0	0.11	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Magnesium	**2600**		520	2.2	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Manganese	**490**		1.6	0.093	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Nickel	**19**		4.2	0.050	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Potassium	**830**	**B**	520	6.7	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Selenium	ND		1.0	0.28	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Sodium	**28**	**J**	520	1.1	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Vanadium	**14**		5.2	0.18	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1
Zinc	**51**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:06	08/28/14 15:33	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.046**		0.037	0.012	mg/Kg	☼	08/27/14 09:14	08/27/14 14:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10	0.10	%			08/18/14 10:58	1
Percent Solids	**88**		0.10	0.10	%			08/18/14 10:58	1
Cyanide, Total	**0.17**	**J B**	0.56	0.16	mg/Kg	☼	08/25/14 10:00	08/25/14 14:10	1

Client Sample ID: SSHS-B70-2-6 (3.5)

Lab Sample ID: 180-35818-61
Date Collected: 08/14/14 15:03
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	5.5	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Benzene	ND		5.5	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B70-2-6 (3.5)
Date Collected: 08/14/14 15:03
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-61
Matrix: Solid
Percent Solids: 91.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.5	0.48	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Bromomethane	ND		5.5	0.81	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
2-Butanone (MEK)	ND		5.5	0.97	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Carbon disulfide	ND		5.5	0.56	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Carbon tetrachloride	ND		5.5	0.49	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Chlorobenzene	ND		5.5	0.83	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Chlorobromomethane	ND		5.5	0.75	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Chlorodibromomethane	ND		5.5	0.78	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Chloroethane	ND		5.5	1.7	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Chloroform	ND		5.5	0.64	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Chloromethane	ND		5.5	0.93	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
cis-1,2-Dichloroethene	ND		5.5	0.77	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
cis-1,3-Dichloropropene	ND		5.5	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Cyclohexane	ND		5.5	0.41	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
1,2-Dibromo-3-Chloropropane	ND		5.5	0.82	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
1,2-Dibromoethane	ND		5.5	0.95	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
1,2-Dichlorobenzene	ND		5.5	0.87	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
1,3-Dichlorobenzene	ND		5.5	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
1,4-Dichlorobenzene	ND		5.5	0.70	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Dichlorobromomethane	ND		5.5	0.62	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Dichlorodifluoromethane	ND		5.5	0.73	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
1,1-Dichloroethane	ND		5.5	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
1,2-Dichloroethane	ND		5.5	0.67	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
1,1-Dichloroethene	ND		5.5	0.93	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
1,2-Dichloropropane	ND		5.5	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
1,4-Dioxane	ND		1100	300	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Ethylbenzene	ND		5.5	0.70	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
2-Hexanone	ND		5.5	0.76	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Isopropylbenzene	ND		5.5	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Methyl acetate	ND		5.5	0.99	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Methylcyclohexane	ND		5.5	0.80	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Methylene Chloride	ND		5.5	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Methyl tert-butyl ether	ND		5.5	0.82	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
o-Xylene	ND		5.5	0.85	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Styrene	ND		5.5	0.77	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
1,1,2,2-Tetrachloroethane	ND		5.5	0.79	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Tetrachloroethene	ND		5.5	0.75	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Toluene	ND		5.5	0.80	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
trans-1,2-Dichloroethene	ND		5.5	0.65	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
trans-1,3-Dichloropropene	ND		5.5	0.66	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
1,2,3-Trichlorobenzene	ND		5.5	0.93	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
1,2,4-Trichlorobenzene	ND		5.5	0.97	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
1,1,1-Trichloroethane	ND		5.5	0.53	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
1,1,2-Trichloroethane	ND		5.5	0.91	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Trichloroethene	ND		5.5	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
Trichlorofluoromethane	ND		5.5	1.0	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1

Client Sample ID: SSHS-B70-2-6 (3.5)
Lab Sample ID: 180-35818-61
Date Collected: 08/14/14 15:03
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		5.5	0.51	ug/Kg	☼	08/22/14 04:01	08/22/14 15:50	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 04:01*	*08/22/14 15:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*63 - 120*	*08/22/14 04:01*	*08/22/14 15:50*	*1*
Dibromofluoromethane (Surr)	*110*		*68 - 121*	*08/22/14 04:01*	*08/22/14 15:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*52 - 124*	*08/22/14 04:01*	*08/22/14 15:50*	*1*
Toluene-d8 (Surr)	*108*		*72 - 127*	*08/22/14 04:01*	*08/22/14 15:50*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**140**		73	7.0	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Acenaphthylene	**420**		73	8.3	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Acetophenone	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Anthracene	**460**		73	7.1	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Atrazine	ND		360	35	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Benzo[a]anthracene	**1300**		73	9.1	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Benzo[a]pyrene	**1300**		73	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Benzo[b]fluoranthene	**1500**		73	11	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Benzo[g,h,i]perylene	**1100**		73	7.2	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Benzo[k]fluoranthene	**690**		73	15	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Bis(2-chloroethyl)ether	ND		73	9.8	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Caprolactam	ND		1900	270	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Carbazole	**130**		73	6.7	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Chrysene	**1400**		73	8.7	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Dibenz(a,h)anthracene	**230**		73	8.1	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Dibenzofuran	**110**	**J**	360	36	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
2,4-Dinitrophenol	ND		1900	430	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1

Client Sample ID: SSHS-B70-2-6 (3.5)
Lab Sample ID: 180-35818-61
Date Collected: 08/14/14 15:03
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Fluoranthene	**2000**		73	7.8	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Fluorene	**140**		73	9.6	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Hexachlorobenzene	ND		73	7.8	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Hexachlorobutadiene	ND		73	8.1	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Indeno[1,2,3-cd]pyrene	**920**		73	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Isophorone	ND		360	27	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
2-Methylnaphthalene	**170**		73	6.5	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Naphthalene	**200**		73	6.3	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
N-Nitrosodi-n-propylamine	ND		73	8.5	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
2,2'-oxybis[1-chloropropane]	ND		73	7.9	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Phenanthrene	**1100**		73	12	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Phenol	ND		73	8.6	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
Pyrene	**2000**		73	7.4	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/27/14 14:44	08/28/14 13:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*400*	*T J*	*ug/Kg*	☼	*10.93*		*08/27/14 14:44*	*08/28/14 13:41*	*1*
Unknown	*520*	*T J*	*ug/Kg*	☼	*11.02*		*08/27/14 14:44*	*08/28/14 13:41*	*1*
Unknown	*540*	*T J*	*ug/Kg*	☼	*11.04*		*08/27/14 14:44*	*08/28/14 13:41*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*11.20*		*08/27/14 14:44*	*08/28/14 13:41*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*11.82*		*08/27/14 14:44*	*08/28/14 13:41*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*12.29*		*08/27/14 14:44*	*08/28/14 13:41*	*1*
Unknown PAH	*310*	*T J*	*ug/Kg*	☼	*12.44*		*08/27/14 14:44*	*08/28/14 13:41*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*13.23*		*08/27/14 14:44*	*08/28/14 13:41*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*14.64*		*08/27/14 14:44*	*08/28/14 13:41*	*1*
Unknown	*950*	*T J*	*ug/Kg*	☼	*16.55*		*08/27/14 14:44*	*08/28/14 13:41*	*1*
Unknown	*1700*	*T J*	*ug/Kg*	☼	*20.13*		*08/27/14 14:44*	*08/28/14 13:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*35 - 105*	*08/27/14 14:44*	*08/28/14 13:41*	*1*
2-Fluorophenol (Surr)	*73*		*39 - 103*	*08/27/14 14:44*	*08/28/14 13:41*	*1*
Nitrobenzene-d5 (Surr)	*76*		*25 - 104*	*08/27/14 14:44*	*08/28/14 13:41*	*1*
Phenol-d5 (Surr)	*76*		*25 - 105*	*08/27/14 14:44*	*08/28/14 13:41*	*1*

Client Sample Results

Client Sample ID: SSHS-B70-2-6 (3.5)
Date Collected: 08/14/14 15:03
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-61
Matrix: Solid
Percent Solids: 91.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*76*		*25 - 127*	*08/27/14 14:44*	*08/28/14 13:41*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*35 - 124*	*08/27/14 14:44*	*08/28/14 13:41*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**27**	**p**	1.9	0.33	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
alpha-Chlordane	**1.5**	**J p**	1.9	0.36	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
beta-BHC	**7.0**	**p**	1.9	0.47	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
4,4'-DDD	**4.8**	**p**	1.9	0.24	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
4,4'-DDE	ND		1.9	0.27	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
4,4'-DDT	**7.3**	**p**	1.9	0.27	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
Dieldrin	ND		1.9	0.30	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
Endosulfan I	**4.7**		1.9	0.34	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
Endosulfan II	**0.33**	**J p**	1.9	0.32	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
Endosulfan sulfate	**2.7**	**p**	1.9	0.19	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
Endrin	**16**	**p**	1.9	0.35	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
Endrin aldehyde	**3.3**		1.9	0.35	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
Endrin ketone	**2.3**	**p**	1.9	0.28	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
gamma-BHC (Lindane)	**0.80**	**J p**	1.9	0.32	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
gamma-Chlordane	**64**		1.9	0.36	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
Heptachlor	**18**	**p**	1.9	0.40	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
Heptachlor epoxide	**51**	**p**	1.9	0.35	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
Methoxychlor	**18**	**p**	3.6	0.38	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1
Toxaphene	ND		73	12	ug/Kg	☼	08/27/14 16:04	08/29/14 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/27/14 16:04*	*08/29/14 03:30*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/27/14 16:04*	*08/29/14 03:30*	*1*
Tetrachloro-m-xylene	*86*		*45 - 130*	*08/27/14 16:04*	*08/29/14 03:30*	*1*
Tetrachloro-m-xylene	*83*		*45 - 130*	*08/27/14 16:04*	*08/29/14 03:30*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/27/14 16:04	08/30/14 09:26	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/27/14 16:04	08/30/14 09:26	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/27/14 16:04	08/30/14 09:26	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/27/14 16:04	08/30/14 09:26	1
PCB-1248	**3900**		18	1.7	ug/Kg	☼	08/27/14 16:04	08/30/14 09:26	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/27/14 16:04	08/30/14 09:26	1
PCB-1260	**200**		18	2.6	ug/Kg	☼	08/27/14 16:04	08/30/14 08:55	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/27/14 16:04	08/30/14 09:26	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/27/14 16:04	08/30/14 09:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/27/14 16:04*	*08/30/14 08:55*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/27/14 16:04*	*08/30/14 09:26*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*45 - 135*	*08/27/14 16:04*	*08/30/14 08:55*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*	*08/27/14 16:04*	*08/30/14 09:26*	*1*

Client Sample Results

Client Sample ID: SSHS-B70-2-6 (3.5)

Lab Sample ID: 180-35818-61

Date Collected: 08/14/14 15:03

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 91.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7600**		22	2.3	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Arsenic	**8.3**		1.1	0.34	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Barium	**92**		22	0.014	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Beryllium	**0.39**	**J**	0.44	0.012	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Cadmium	ND		0.55	0.016	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Calcium	**11000**		550	1.7	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Chromium	**11**		0.55	0.085	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Cobalt	**6.2**		5.5	0.046	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Copper	**26**		2.8	0.16	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Iron	**17000**	**B**	11	0.98	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Lead	**35**		1.1	0.11	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Magnesium	**3300**		550	2.3	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Manganese	**450**		1.7	0.098	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Nickel	**28**		4.4	0.052	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Potassium	**630**	**B**	550	7.0	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Selenium	**0.61**	**J**	1.1	0.29	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Silver	ND		0.55	0.045	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Sodium	**63**	**J**	550	1.2	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Vanadium	**15**		5.5	0.19	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1
Zinc	**66**	**B**	2.2	0.11	mg/Kg	☼	08/21/14 13:06	08/28/14 15:38	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.046**		0.035	0.012	mg/Kg	☼	08/27/14 09:15	08/27/14 14:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.3**		0.10	0.10	%			08/18/14 10:58	1
Percent Solids	**92**		0.10	0.10	%			08/18/14 10:58	1
Cyanide, Total	**0.20**	**J B**	0.55	0.16	mg/Kg	☼	08/25/14 10:00	08/25/14 14:10	1

Client Sample ID: SSHS-B70-6-10 (7.5)

Lab Sample ID: 180-35818-62

Date Collected: 08/14/14 15:08

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 89.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	5.3	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Benzene	ND		5.3	0.72	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Bromoform	ND		5.3	0.47	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Bromomethane	ND		5.3	0.78	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
2-Butanone (MEK)	ND		5.3	0.93	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Carbon disulfide	ND		5.3	0.54	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Carbon tetrachloride	ND		5.3	0.47	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Chlorobenzene	ND		5.3	0.80	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Chlorobromomethane	ND		5.3	0.73	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Chlorodibromomethane	ND		5.3	0.75	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Chloroethane	ND		5.3	1.6	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1

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

Client Sample ID: SSHS-B70-6-10 (7.5)
Date Collected: 08/14/14 15:08
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-62
Matrix: Solid
Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		5.3	0.62	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Chloromethane	ND		5.3	0.90	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
cis-1,2-Dichloroethene	ND		5.3	0.75	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
cis-1,3-Dichloropropene	ND	*	5.3	0.72	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Cyclohexane	ND		5.3	0.39	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
1,2-Dibromo-3-Chloropropane	ND		5.3	0.79	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
1,2-Dibromoethane	ND	*	5.3	0.92	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
1,2-Dichlorobenzene	ND		5.3	0.85	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
1,3-Dichlorobenzene	ND		5.3	0.70	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
1,4-Dichlorobenzene	ND		5.3	0.68	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Dichlorobromomethane	ND		5.3	0.60	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Dichlorodifluoromethane	ND		5.3	0.71	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
1,1-Dichloroethane	ND		5.3	0.61	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
1,2-Dichloroethane	ND		5.3	0.65	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
1,1-Dichloroethene	ND		5.3	0.90	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
1,2-Dichloropropane	ND		5.3	0.58	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
1,4-Dioxane	ND		1100	290	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Ethylbenzene	ND		5.3	0.68	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
2-Hexanone	ND		5.3	0.73	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Isopropylbenzene	ND		5.3	0.72	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Methyl acetate	ND		5.3	0.96	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Methylcyclohexane	ND		5.3	0.77	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Methylene Chloride	ND		5.3	0.71	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.3	0.69	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Methyl tert-butyl ether	ND		5.3	0.79	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
o-Xylene	ND		5.3	0.83	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Styrene	ND		5.3	0.75	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.76	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Tetrachloroethene	ND		5.3	0.72	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Toluene	ND		5.3	0.77	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
trans-1,2-Dichloroethene	ND		5.3	0.63	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
trans-1,3-Dichloropropene	ND		5.3	0.63	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
1,2,3-Trichlorobenzene	ND		5.3	0.90	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
1,2,4-Trichlorobenzene	ND		5.3	0.94	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
1,1,1-Trichloroethane	ND		5.3	0.52	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
1,1,2-Trichloroethane	ND		5.3	0.88	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Trichloroethene	ND		5.3	0.70	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Trichlorofluoromethane	ND		5.3	0.97	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.1	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1
Vinyl chloride	ND		5.3	0.50	ug/Kg	☼	08/22/14 07:58	08/22/14 19:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 07:58*	*08/22/14 19:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*	*08/22/14 07:58*	*08/22/14 19:15*	*1*
Dibromofluoromethane (Surr)	*79*		*68 - 121*	*08/22/14 07:58*	*08/22/14 19:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*65*		*52 - 124*	*08/22/14 07:58*	*08/22/14 19:15*	*1*
Toluene-d8 (Surr)	*110*		*72 - 127*	*08/22/14 07:58*	*08/22/14 19:15*	*1*

Client Sample Results

Client Sample ID: SSHS-B70-6-10 (7.5) | **Lab Sample ID: 180-35818-62**

Date Collected: 08/14/14 15:08 | **Matrix: Solid**

Date Received: 08/15/14 09:10 | **Percent Solids: 89.9**

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**510**		75	7.1	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Acenaphthylene	**90**		75	8.5	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Acetophenone	ND		370	31	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Anthracene	**2600**		75	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Atrazine	ND		370	36	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Benzo[a]anthracene	**6800**		75	9.3	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Benzo[a]pyrene	**5900**		75	7.4	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Benzo[b]fluoranthene	**6400**		75	12	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Benzo[g,h,i]perylene	**4600**		75	7.4	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Benzo[k]fluoranthene	**2600**		75	15	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
1,1'-Biphenyl	**50**	**J**	370	33	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Bis(2-chloroethoxy)methane	ND		370	24	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Bis(2-ethylhexyl) phthalate	ND		750	60	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Carbazole	**640**		75	6.8	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
2-Chloronaphthalene	ND		75	7.7	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
2-Chlorophenol	ND		370	30	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Chrysene	**6100**		75	8.8	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Dibenz(a,h)anthracene	**1100**		75	8.3	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Dibenzofuran	**320**	**J**	370	37	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
2,4-Dichlorophenol	ND		75	7.4	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Dimethyl phthalate	ND		370	40	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Fluoranthene	**15000**	**E**	75	7.9	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Fluorene	**630**		75	9.8	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Hexachlorobenzene	ND		75	7.9	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Hexachlorobutadiene	ND		75	8.3	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Indeno[1,2,3-cd]pyrene	**4000**		75	7.6	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Isophorone	ND		370	28	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
2-Methylnaphthalene	**200**		75	6.7	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1

Client Sample ID: SSHS-B70-6-10 (7.5)

Lab Sample ID: 180-35818-62

Date Collected: 08/14/14 15:08
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 89.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		370	36	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Naphthalene	**230**		75	6.4	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
N-Nitrosodi-n-propylamine	ND		75	8.7	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
N-Nitrosodiphenylamine	ND		370	34	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
2,2'-oxybis[1-chloropropane]	ND		75	8.0	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Phenanthrene	**7600**		75	12	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Phenol	ND		75	8.8	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
Pyrene	**10000**		75	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/27/14 14:44	08/28/14 14:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Substituted Biphenyl	*280*	*T J*	*ug/Kg*	☼	*10.73*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*10.91*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*10.93*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown PAH	*180*	*T J*	*ug/Kg*	☼	*10.99*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown Substituted Biphenyl	*320*	*T J*	*ug/Kg*	☼	*11.01*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown	*430*	*T J*	*ug/Kg*	☼	*11.05*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*11.21*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown Substituted Biphenyl	*290*	*T J*	*ug/Kg*	☼	*11.57*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown Substituted Biphenyl	*260*	*T J*	*ug/Kg*	☼	*11.61*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown Substituted Biphenyl	*160*	*T J*	*ug/Kg*	☼	*11.77*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown PAH	*440*	*T J*	*ug/Kg*	☼	*12.45*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*12.55*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown PAH	*210*	*T J*	*ug/Kg*	☼	*12.61*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*13.25*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*13.44*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*13.60*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*14.66*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown	*1500*	*T J*	*ug/Kg*	☼	*16.20*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown	*4600*	*T J*	*ug/Kg*	☼	*16.57*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown	*1500*	*T J*	*ug/Kg*	☼	*16.85*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown PAH	*1400*	*T J*	*ug/Kg*	☼	*18.76*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*19.22*		*08/27/14 14:44*	*08/28/14 14:10*	*1*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*19.86*		*08/27/14 14:44*	*08/28/14 14:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*08/27/14 14:44*	*08/28/14 14:10*	*1*
2-Fluorophenol (Surr)	*70*		*39 - 103*	*08/27/14 14:44*	*08/28/14 14:10*	*1*
Nitrobenzene-d5 (Surr)	*70*		*25 - 104*	*08/27/14 14:44*	*08/28/14 14:10*	*1*
Phenol-d5 (Surr)	*73*		*25 - 105*	*08/27/14 14:44*	*08/28/14 14:10*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B70-6-10 (7.5)

Date Collected: 08/14/14 15:08
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-62

Matrix: Solid
Percent Solids: 89.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*66*		*25 - 127*	*08/27/14 14:44*	*08/28/14 14:10*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*35 - 124*	*08/27/14 14:44*	*08/28/14 14:10*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**540**		370	36	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Acenaphthylene	**62**	**J**	370	43	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Acetophenone	ND		1800	150	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Anthracene	**2500**		370	36	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Atrazine	ND		1800	180	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Benzaldehyde	ND		1800	280	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Benzo[a]anthracene	**6700**		370	47	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Benzo[a]pyrene	**5800**		370	37	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Benzo[b]fluoranthene	**6900**		370	58	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Benzo[g,h,i]perylene	**4200**		370	37	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Benzo[k]fluoranthene	**2600**		370	75	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
1,1'-Biphenyl	ND		1800	170	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Bis(2-chloroethoxy)methane	ND		1800	120	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Bis(2-chloroethyl)ether	ND		370	50	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Bis(2-ethylhexyl) phthalate	ND		3700	300	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
4-Bromophenyl phenyl ether	ND		1800	160	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Butyl benzyl phthalate	ND		1800	250	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Caprolactam	ND		9500	1400	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Carbazole	**640**		370	34	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
4-Chloroaniline	ND		1800	150	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
4-Chloro-3-methylphenol	ND		1800	170	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
2-Chloronaphthalene	ND		370	39	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
2-Chlorophenol	ND		1800	150	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
4-Chlorophenyl phenyl ether	ND		1800	210	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Chrysene	**6400**		370	44	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Dibenz(a,h)anthracene	**930**		370	41	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Dibenzofuran	**320**	**J**	1800	180	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
3,3'-Dichlorobenzidine	ND		1800	200	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
2,4-Dichlorophenol	ND		370	37	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Diethyl phthalate	ND		1800	200	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
2,4-Dimethylphenol	ND		1800	290	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Dimethyl phthalate	ND		1800	200	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Di-n-butyl phthalate	ND		1800	230	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
4,6-Dinitro-2-methylphenol	ND		9500	750	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
2,4-Dinitrophenol	ND		9500	2200	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
2,4-Dinitrotoluene	ND		1800	150	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
2,6-Dinitrotoluene	ND		1800	190	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Di-n-octyl phthalate	ND		1800	200	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
1,4-Dioxane	ND		3700	210	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Fluoranthene	**15000**		370	40	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Fluorene	**650**		370	49	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Hexachlorobenzene	ND		370	40	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Hexachlorobutadiene	ND		370	42	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Hexachlorocyclopentadiene	ND		1800	200	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B70-6-10 (7.5)
Date Collected: 08/14/14 15:08
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-62
Matrix: Solid
Percent Solids: 89.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		1800	130	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Indeno[1,2,3-cd]pyrene	**3700**		370	38	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Isophorone	ND		1800	140	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
2-Methylnaphthalene	**200**	**J**	370	33	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
2-Methylphenol	ND		1800	130	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Methylphenol, 3 & 4	ND		1800	180	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Naphthalene	**260**	**J**	370	32	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
2-Nitroaniline	ND		9500	830	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
3-Nitroaniline	ND		9500	760	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
4-Nitroaniline	ND		9500	750	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Nitrobenzene	ND		3700	150	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
2-Nitrophenol	ND		1800	200	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
4-Nitrophenol	ND		9500	680	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
N-Nitrosodi-n-propylamine	ND		370	44	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
N-Nitrosodiphenylamine	ND		1800	170	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
2,2'-oxybis[1-chloropropane]	ND		370	40	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Pentachlorophenol	ND		1800	170	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Phenanthrene	**7700**		370	59	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Phenol	ND		370	44	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
Pyrene	**11000**		370	38	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
1,2,4,5-Tetrachlorobenzene	ND		1800	140	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
2,3,4,6-Tetrachlorophenol	ND		1800	120	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
2,4,5-Trichlorophenol	ND		1800	200	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5
2,4,6-Trichlorophenol	ND		1800	280	ug/Kg	☼	08/27/14 14:44	08/29/14 17:07	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1900*	*T J*	*ug/Kg*	☼	*10.73*		*08/27/14 14:44*	*08/29/14 17:07*	*5*
Unknown	*2200*	*T J*	*ug/Kg*	☼	*10.90*		*08/27/14 14:44*	*08/29/14 17:07*	*5*
Unknown	*1700*	*T J*	*ug/Kg*	☼	*10.93*		*08/27/14 14:44*	*08/29/14 17:07*	*5*
Unknown	*3400*	*T J*	*ug/Kg*	☼	*11.04*		*08/27/14 14:44*	*08/29/14 17:07*	*5*
Unknown	*2100*	*T J*	*ug/Kg*	☼	*11.20*		*08/27/14 14:44*	*08/29/14 17:07*	*5*
Unknown Substituted Biphenyl	*1800*	*T J*	*ug/Kg*	☼	*11.56*		*08/27/14 14:44*	*08/29/14 17:07*	*5*
Unknown	*1800*	*T J*	*ug/Kg*	☼	*11.59*		*08/27/14 14:44*	*08/29/14 17:07*	*5*
Unknown	*1800*	*T J*	*ug/Kg*	☼	*11.97*		*08/27/14 14:44*	*08/29/14 17:07*	*5*
Unknown PAH	*1500*	*T J*	*ug/Kg*	☼	*12.44*		*08/27/14 14:44*	*08/29/14 17:07*	*5*
Unknown	*760*	*T J*	*ug/Kg*	☼	*14.63*		*08/27/14 14:44*	*08/29/14 17:07*	*5*
Unknown	*4600*	*T J*	*ug/Kg*	☼	*16.54*		*08/27/14 14:44*	*08/29/14 17:07*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*35 - 105*	*08/27/14 14:44*	*08/29/14 17:07*	*5*
2-Fluorophenol (Surr)	*74*		*39 - 103*	*08/27/14 14:44*	*08/29/14 17:07*	*5*
Nitrobenzene-d5 (Surr)	*69*		*25 - 104*	*08/27/14 14:44*	*08/29/14 17:07*	*5*
Phenol-d5 (Surr)	*76*		*25 - 105*	*08/27/14 14:44*	*08/29/14 17:07*	*5*
Terphenyl-d14 (Surr)	*70*		*25 - 127*	*08/27/14 14:44*	*08/29/14 17:07*	*5*
2,4,6-Tribromophenol (Surr)	*63*		*35 - 124*	*08/27/14 14:44*	*08/29/14 17:07*	*5*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**220**	**p**	1.9	0.33	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B70-6-10 (7.5)

Date Collected: 08/14/14 15:08
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-62
Matrix: Solid
Percent Solids: 89.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-Chlordane	**12**	**p**	1.9	0.37	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1
beta-BHC	**43**	**p**	1.9	0.48	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1
4,4'-DDD	**36**	**p**	1.9	0.24	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1
4,4'-DDT	**53**	**p**	1.9	0.28	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1
Dieldrin	**21**		1.9	0.31	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1
Endosulfan I	**39**		1.9	0.35	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1
Endosulfan II	**5.5**	**p**	1.9	0.33	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1
Endosulfan sulfate	**18**	**p**	1.9	0.19	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1
Endrin	**150**	**p**	1.9	0.36	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1
Endrin aldehyde	**24**		1.9	0.36	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1
Endrin ketone	**16**	**p**	1.9	0.29	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1
gamma-BHC (Lindane)	**20**	**p**	1.9	0.33	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1
gamma-Chlordane	**230**	**p**	1.9	0.37	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1
Heptachlor	**62**	**p**	1.9	0.41	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1
Methoxychlor	**260**		3.7	0.39	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1
Toxaphene	ND		75	12	ug/Kg	☼	08/27/14 16:04	08/29/14 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*115*		*45 - 130*	*08/27/14 16:04*	*08/29/14 04:48*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*08/27/14 16:04*	*08/29/14 04:48*	*1*
Tetrachloro-m-xylene	*86*		*45 - 130*	*08/27/14 16:04*	*08/29/14 04:48*	*1*
Tetrachloro-m-xylene	*84*		*45 - 130*	*08/27/14 16:04*	*08/29/14 04:48*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	**420**	**p**	9.5	1.8	ug/Kg	☼	08/27/14 16:04	08/29/14 14:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*		*45 - 130*	*08/27/14 16:04*	*08/29/14 14:34*	*5*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 130*	*08/27/14 16:04*	*08/29/14 14:34*	*5*
Tetrachloro-m-xylene	*94*		*45 - 130*	*08/27/14 16:04*	*08/29/14 14:34*	*5*
Tetrachloro-m-xylene	*90*		*45 - 130*	*08/27/14 16:04*	*08/29/14 14:34*	*5*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		930	140	ug/Kg	☼	08/27/14 16:04	08/30/14 20:29	50
PCB-1221	ND		930	180	ug/Kg	☼	08/27/14 16:04	08/30/14 20:29	50
PCB-1232	ND		930	160	ug/Kg	☼	08/27/14 16:04	08/30/14 20:29	50
PCB-1242	ND		930	150	ug/Kg	☼	08/27/14 16:04	08/30/14 20:29	50
PCB-1248	**39000**		930	88	ug/Kg	☼	08/27/14 16:04	08/30/14 21:01	50
PCB-1254	ND		930	130	ug/Kg	☼	08/27/14 16:04	08/30/14 20:29	50
PCB-1260	**2300**		930	130	ug/Kg	☼	08/27/14 16:04	08/30/14 20:29	50
PCB-1262	ND		930	200	ug/Kg	☼	08/27/14 16:04	08/30/14 20:29	50
PCB-1268	ND		930	120	ug/Kg	☼	08/27/14 16:04	08/30/14 20:29	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*114*		*45 - 125*	*08/27/14 16:04*	*08/30/14 20:29*	*50*
DCB Decachlorobiphenyl (Surr)	*97*		*45 - 125*	*08/27/14 16:04*	*08/30/14 21:01*	*50*
Tetrachloro-m-xylene (Surr)	*113*		*45 - 135*	*08/27/14 16:04*	*08/30/14 20:29*	*50*

Client Sample Results

Client Sample ID: SSHS-B70-6-10 (7.5)

Lab Sample ID: 180-35818-62

Date Collected: 08/14/14 15:08

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 89.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*112*		*45 - 135*	*08/27/14 16:04*	*08/30/14 21:01*	*50*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7200**		22	2.3	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Antimony	**0.61**	**J**	1.1	0.22	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Arsenic	**8.1**		1.1	0.33	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Barium	**190**		22	0.014	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Beryllium	**0.38**	**J**	0.44	0.012	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Cadmium	**0.075**	**J B**	0.55	0.016	mg/Kg	☼	08/21/14 13:06	08/29/14 09:57	1
Calcium	**19000**		550	1.6	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Chromium	**39**		0.55	0.084	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Cobalt	**6.2**		5.5	0.046	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Copper	**75**		2.7	0.16	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Iron	**20000**	**B**	11	0.97	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Lead	**160**		1.1	0.11	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Magnesium	**3300**		550	2.3	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Manganese	**430**		1.6	0.097	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Nickel	**100**		4.4	0.052	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Potassium	**730**	**B**	550	7.0	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Selenium	**0.73**	**J**	1.1	0.29	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Silver	ND		0.55	0.044	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Sodium	**150**	**J**	550	1.2	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Vanadium	**14**		5.5	0.19	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1
Zinc	**98**	**B**	2.2	0.11	mg/Kg	☼	08/21/14 13:06	08/28/14 15:43	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.099**		0.036	0.012	mg/Kg	☼	08/27/14 09:15	08/27/14 14:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10**		0.10	0.10	%			08/18/14 10:58	1
Percent Solids	**90**		0.10	0.10	%			08/18/14 10:58	1
Cyanide, Total	**1.2**	**B**	0.55	0.16	mg/Kg	☼	08/25/14 10:00	08/25/14 14:18	1

Client Sample ID: SSHS-B70-10-14 (12.5)

Lab Sample ID: 180-35818-63

Date Collected: 08/14/14 15:16

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 89.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.3	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Benzene	ND		4.3	0.59	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Bromoform	ND		4.3	0.38	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Bromomethane	ND		4.3	0.64	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
2-Butanone (MEK)	ND		4.3	0.77	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Carbon disulfide	ND		4.3	0.44	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Carbon tetrachloride	ND		4.3	0.39	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1

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

Client Sample ID: SSHS-B70-10-14 (12.5) **Lab Sample ID: 180-35818-63**
Date Collected: 08/14/14 15:16 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 89.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		4.3	0.66	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Chlorobromomethane	ND		4.3	0.60	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Chlorodibromomethane	ND		4.3	0.62	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Chloroethane	ND		4.3	1.3	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Chloroform	ND		4.3	0.51	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Chloromethane	ND		4.3	0.74	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
cis-1,2-Dichloroethene	ND		4.3	0.61	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
cis-1,3-Dichloropropene	ND	*	4.3	0.59	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Cyclohexane	ND		4.3	0.32	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
1,2-Dibromo-3-Chloropropane	ND		4.3	0.65	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
1,2-Dibromoethane	ND	*	4.3	0.75	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
1,2-Dichlorobenzene	ND		4.3	0.69	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
1,3-Dichlorobenzene	ND		4.3	0.57	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
1,4-Dichlorobenzene	ND		4.3	0.55	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Dichlorobromomethane	ND		4.3	0.49	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Dichlorodifluoromethane	ND		4.3	0.58	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
1,1-Dichloroethane	ND		4.3	0.50	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
1,2-Dichloroethane	ND		4.3	0.53	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
1,1-Dichloroethene	ND		4.3	0.74	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
1,2-Dichloropropane	ND		4.3	0.47	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
1,4-Dioxane	ND		870	240	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Ethylbenzene	ND		4.3	0.56	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
2-Hexanone	ND		4.3	0.60	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Isopropylbenzene	ND		4.3	0.59	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Methyl acetate	ND		4.3	0.78	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Methylcyclohexane	ND		4.3	0.63	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Methylene Chloride	ND		4.3	0.58	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
4-Methyl-2-pentanone (MIBK)	ND	*	4.3	0.57	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Methyl tert-butyl ether	ND		4.3	0.65	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
m-Xylene & p-Xylene	ND		8.7	1.3	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
o-Xylene	ND		4.3	0.68	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Styrene	ND		4.3	0.61	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.62	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Tetrachloroethene	ND		4.3	0.59	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Toluene	ND		4.3	0.63	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
trans-1,2-Dichloroethene	ND		4.3	0.52	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
trans-1,3-Dichloropropene	ND		4.3	0.52	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
1,2,3-Trichlorobenzene	ND		4.3	0.73	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
1,2,4-Trichlorobenzene	ND		4.3	0.77	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
1,1,1-Trichloroethane	ND		4.3	0.42	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
1,1,2-Trichloroethane	ND		4.3	0.72	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Trichloroethene	ND		4.3	0.57	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Trichlorofluoromethane	ND		4.3	0.80	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3	0.93	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1
Vinyl chloride	ND		4.3	0.41	ug/Kg	☼	08/22/14 07:58	08/22/14 19:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 07:58*	*08/22/14 19:45*	*1*

Client Sample ID: SSHS-B70-10-14 (12.5)

Lab Sample ID: 180-35818-63

Date Collected: 08/14/14 15:16

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 89.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*63 - 120*	*08/22/14 07:58*	*08/22/14 19:45*	*1*
Dibromofluoromethane (Surr)	*89*		*68 - 121*	*08/22/14 07:58*	*08/22/14 19:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*68*		*52 - 124*	*08/22/14 07:58*	*08/22/14 19:45*	*1*
Toluene-d8 (Surr)	*117*		*72 - 127*	*08/22/14 07:58*	*08/22/14 19:45*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	7.2	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Acenaphthylene	ND		75	8.5	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Acetophenone	ND		370	31	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Anthracene	ND		75	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Atrazine	ND		370	36	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Benzo[a]anthracene	ND		75	9.3	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Benzo[a]pyrene	ND		75	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Benzo[b]fluoranthene	ND		75	12	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Benzo[g,h,i]perylene	ND		75	7.4	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Benzo[k]fluoranthene	ND		75	15	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Bis(2-ethylhexyl) phthalate	ND		750	60	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Carbazole	ND		75	6.9	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
2-Chloronaphthalene	ND		75	7.8	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
2-Chlorophenol	ND		370	30	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Chrysene	ND		75	8.9	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Dibenz(a,h)anthracene	ND		75	8.3	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
2,4-Dichlorophenol	ND		75	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Fluoranthene	ND		75	8.0	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Fluorene	ND		75	9.8	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Hexachlorobenzene	ND		75	7.9	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Hexachlorobutadiene	ND		75	8.3	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1

Client Sample Results

Client Sample ID: SSHS-B70-10-14 (12.5)
Lab Sample ID: 180-35818-63
Date Collected: 08/14/14 15:16
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 89.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Indeno[1,2,3-cd]pyrene	ND		75	7.7	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Isophorone	ND		370	28	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
2-Methylnaphthalene	ND		75	6.7	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Methylphenol, 3 & 4	ND		370	36	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Naphthalene	ND		75	6.4	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
N-Nitrosodi-n-propylamine	ND		75	8.7	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
N-Nitrosodiphenylamine	ND		370	34	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
2,2'-oxybis[1-chloropropane]	ND		75	8.0	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Phenanthrene	ND		75	12	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Phenol	ND		75	8.8	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
Pyrene	ND		75	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/27/14 14:44	08/28/14 14:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*860*	*T J*	*ug/Kg*	☼	*8.94*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*8.98*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*700*	*T J*	*ug/Kg*	☼	*9.10*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*1300*	*T J*	*ug/Kg*	☼	*9.26*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*2200*	*T J*	*ug/Kg*	☼	*9.36*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*840*	*T J*	*ug/Kg*	☼	*9.41*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*9.43*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*1400*	*T J*	*ug/Kg*	☼	*9.48*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*970*	*T J*	*ug/Kg*	☼	*9.61*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown Branched Alkane	*1700*	*T J*	*ug/Kg*	☼	*9.85*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*700*	*T J*	*ug/Kg*	☼	*9.92*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*9.98*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*720*	*T J*	*ug/Kg*	☼	*10.05*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*1600*	*T J*	*ug/Kg*	☼	*10.18*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*720*	*T J*	*ug/Kg*	☼	*10.21*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown Branched Alkane	*1300*	*T J*	*ug/Kg*	☼	*10.28*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*700*	*T J*	*ug/Kg*	☼	*10.54*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*750*	*T J*	*ug/Kg*	☼	*10.60*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*750*	*T J*	*ug/Kg*	☼	*10.64*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*740*	*T J*	*ug/Kg*	☼	*10.94*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*680*	*T J*	*ug/Kg*	☼	*10.96*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*11.05*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*1900*	*T J*	*ug/Kg*	☼	*11.12*		*08/27/14 14:44*	*08/28/14 14:39*	*1*

Client Sample ID: SSHS-B70-10-14 (12.5)

Lab Sample ID: 180-35818-63

Date Collected: 08/14/14 15:16
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 89.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1600*	*T J*	*ug/Kg*	☼	*11.37*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*910*	*T J*	*ug/Kg*	☼	*11.49*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*12.24*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*12.31*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*710*	*T J*	*ug/Kg*	☼	*12.37*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*960*	*T J*	*ug/Kg*	☼	*12.52*		*08/27/14 14:44*	*08/28/14 14:39*	*1*
Unknown	*760*	*T J*	*ug/Kg*	☼	*12.77*		*08/27/14 14:44*	*08/28/14 14:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*08/27/14 14:44*	*08/28/14 14:39*	*1*
2-Fluorophenol (Surr)	*76*		*39 - 103*	*08/27/14 14:44*	*08/28/14 14:39*	*1*
Nitrobenzene-d5 (Surr)	*73*		*25 - 104*	*08/27/14 14:44*	*08/28/14 14:39*	*1*
Phenol-d5 (Surr)	*80*		*25 - 105*	*08/27/14 14:44*	*08/28/14 14:39*	*1*
Terphenyl-d14 (Surr)	*67*		*25 - 127*	*08/27/14 14:44*	*08/28/14 14:39*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*35 - 124*	*08/27/14 14:44*	*08/28/14 14:39*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
alpha-Chlordane	**1.7**	**J p**	1.9	0.37	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
4,4'-DDD	**6.9**	**p**	1.9	0.24	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
4,4'-DDT	**31**	**p**	1.9	0.28	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
delta-BHC	**0.80**	**J p**	1.9	0.29	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
Dieldrin	**6.6**		1.9	0.31	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
Endosulfan I	**7.0**		1.9	0.35	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
Endosulfan II	**1.1**	**J p**	1.9	0.33	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
Endosulfan sulfate	**5.2**	**p**	1.9	0.19	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
Endrin	**98**	**p**	1.9	0.36	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
Endrin ketone	**1.7**	**J p**	1.9	0.29	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
gamma-Chlordane	**69**	**p**	1.9	0.37	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
Heptachlor epoxide	**13**	**p**	1.9	0.36	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
Methoxychlor	**1.6**	**J p**	3.7	0.39	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1
Toxaphene	ND		75	12	ug/Kg	☼	08/27/14 16:04	08/29/14 05:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*	*08/27/14 16:04*	*08/29/14 05:03*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/27/14 16:04*	*08/29/14 05:03*	*1*
Tetrachloro-m-xylene	*73*		*45 - 130*	*08/27/14 16:04*	*08/29/14 05:03*	*1*
Tetrachloro-m-xylene	*79*		*45 - 130*	*08/27/14 16:04*	*08/29/14 05:03*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/27/14 16:04	08/30/14 10:29	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/27/14 16:04	08/30/14 10:29	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B70-10-14 (12.5)
Date Collected: 08/14/14 15:16
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-63
Matrix: Solid
Percent Solids: 89.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		19	3.2	ug/Kg	☼	08/27/14 16:04	08/30/14 10:29	1
PCB-1242	ND		19	3.0	ug/Kg	☼	08/27/14 16:04	08/30/14 10:29	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/27/14 16:04	08/30/14 10:29	1
PCB-1254	**3300**		19	2.6	ug/Kg	☼	08/27/14 16:04	08/30/14 10:29	1
PCB-1260	ND		19	2.6	ug/Kg	☼	08/27/14 16:04	08/30/14 10:29	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/27/14 16:04	08/30/14 10:29	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/27/14 16:04	08/30/14 10:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 125*	*08/27/14 16:04*	*08/30/14 09:58*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/27/14 16:04*	*08/30/14 10:29*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*45 - 135*	*08/27/14 16:04*	*08/30/14 09:58*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*	*08/27/14 16:04*	*08/30/14 10:29*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5800**		21	2.2	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Antimony	**0.28**	**J**	1.1	0.21	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Arsenic	**5.5**		1.1	0.33	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Barium	**74**		21	0.014	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Beryllium	**0.26**	**J**	0.43	0.012	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Cadmium	ND		0.54	0.015	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Calcium	**17000**		540	1.6	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Chromium	**7.5**		0.54	0.083	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Cobalt	**5.5**		5.4	0.045	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Copper	**18**		2.7	0.15	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Iron	**14000**	**B**	11	0.95	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Lead	**23**		1.1	0.11	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Magnesium	**4500**		540	2.2	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Manganese	**360**		1.6	0.095	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Nickel	**13**		4.3	0.051	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Potassium	**660**	**B**	540	6.9	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Selenium	**0.31**	**J**	1.1	0.29	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Silver	ND		0.54	0.043	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Sodium	**87**	**J**	540	1.1	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Thallium	ND		2.1	0.16	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Vanadium	**11**		5.4	0.19	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1
Zinc	**53**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:06	08/28/14 15:48	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**		0.036	0.012	mg/Kg	☼	08/27/14 09:15	08/27/14 14:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**90**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	**0.17**	**J B**	0.58	0.17	mg/Kg	☼	08/25/14 10:00	08/25/14 14:18	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B80-0.17-2 (1)

Date Collected: 08/14/14 13:43
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-64

Matrix: Solid
Percent Solids: 92.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	5.2	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Benzene	ND		5.2	0.70	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Bromoform	ND		5.2	0.46	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Bromomethane	ND		5.2	0.76	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
2-Butanone (MEK)	ND		5.2	0.91	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Carbon disulfide	ND		5.2	0.53	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Carbon tetrachloride	ND		5.2	0.46	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Chlorobenzene	ND		5.2	0.78	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Chlorobromomethane	ND		5.2	0.71	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Chlorodibromomethane	ND		5.2	0.73	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Chloroethane	ND		5.2	1.6	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Chloroform	ND		5.2	0.60	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Chloromethane	ND		5.2	0.88	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
cis-1,2-Dichloroethene	ND		5.2	0.73	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
cis-1,3-Dichloropropene	ND	*	5.2	0.70	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Cyclohexane	ND		5.2	0.38	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
1,2-Dibromo-3-Chloropropane	ND		5.2	0.77	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
1,2-Dibromoethane	ND	*	5.2	0.89	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
1,2-Dichlorobenzene	ND		5.2	0.82	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
1,3-Dichlorobenzene	ND		5.2	0.68	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
1,4-Dichlorobenzene	ND		5.2	0.66	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Dichlorobromomethane	ND		5.2	0.58	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Dichlorodifluoromethane	ND		5.2	0.69	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
1,1-Dichloroethane	ND		5.2	0.59	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
1,2-Dichloroethane	ND		5.2	0.63	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
1,1-Dichloroethene	ND		5.2	0.87	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
1,2-Dichloropropane	ND		5.2	0.56	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
1,4-Dioxane	ND		1000	280	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Ethylbenzene	ND		5.2	0.66	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
2-Hexanone	ND		5.2	0.71	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Isopropylbenzene	ND		5.2	0.70	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Methyl acetate	ND		5.2	0.93	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Methylcyclohexane	ND		5.2	0.75	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Methylene Chloride	ND		5.2	0.69	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.2	0.67	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Methyl tert-butyl ether	ND		5.2	0.77	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
o-Xylene	ND		5.2	0.80	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Styrene	ND		5.2	0.73	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
1,1,2,2-Tetrachloroethane	ND		5.2	0.74	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Tetrachloroethene	ND		5.2	0.70	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Toluene	ND		5.2	0.75	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
trans-1,2-Dichloroethene	ND		5.2	0.61	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
trans-1,3-Dichloropropene	ND		5.2	0.62	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
1,2,3-Trichlorobenzene	ND		5.2	0.87	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
1,2,4-Trichlorobenzene	ND		5.2	0.91	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
1,1,1-Trichloroethane	ND		5.2	0.50	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
1,1,2-Trichloroethane	ND		5.2	0.86	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Trichloroethene	ND		5.2	0.68	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1

Client Sample Results

Client Sample ID: SSHS-B80-0.17-2 (1)
Lab Sample ID: 180-35818-64
Date Collected: 08/14/14 13:43
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 92.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		5.2	0.95	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.1	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1
Vinyl chloride	ND		5.2	0.48	ug/Kg	☼	08/22/14 07:58	08/22/14 20:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 07:58*	*08/22/14 20:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*63 - 120*	*08/22/14 07:58*	*08/22/14 20:15*	*1*
Dibromofluoromethane (Surr)	*92*		*68 - 121*	*08/22/14 07:58*	*08/22/14 20:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*73*		*52 - 124*	*08/22/14 07:58*	*08/22/14 20:15*	*1*
Toluene-d8 (Surr)	*125*		*72 - 127*	*08/22/14 07:58*	*08/22/14 20:15*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**7.1**	**J**	73	7.0	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Acenaphthylene	**110**		73	8.3	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Acetophenone	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Anthracene	**170**		73	7.1	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Atrazine	ND		360	35	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Benzaldehyde	ND		360	54	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Benzo[a]anthracene	**860**		73	9.1	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Benzo[a]pyrene	**880**		73	7.2	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Benzo[b]fluoranthene	**980**		73	11	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Benzo[g,h,i]perylene	**790**		73	7.2	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Benzo[k]fluoranthene	**440**		73	15	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Bis(2-chloroethyl)ether	ND		73	9.7	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Butyl benzyl phthalate	ND		360	49	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Carbazole	**100**		73	6.7	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Chrysene	**730**		73	8.6	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Dibenz(a,h)anthracene	**160**		73	8.1	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Dimethyl phthalate	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Di-n-butyl phthalate	ND		360	45	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
4,6-Dinitro-2-methylphenol	ND		1800	150	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1

Client Sample ID: SSHS-B80-0.17-2 (1)

Date Collected: 08/14/14 13:43
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-64

Matrix: Solid
Percent Solids: 92.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
2,6-Dinitrotoluene	ND		360	37	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Fluoranthene	**1300**		73	7.7	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Fluorene	**25**	**J**	73	9.5	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Hexachlorobenzene	ND		73	7.7	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Hexachlorobutadiene	ND		73	8.1	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Indeno[1,2,3-cd]pyrene	**710**		73	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Isophorone	ND		360	27	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
2-Methylnaphthalene	**30**	**J**	73	6.5	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Methylphenol, 3 & 4	ND		360	35	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Naphthalene	**110**		73	6.2	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
4-Nitroaniline	ND		1800	150	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
N-Nitrosodi-n-propylamine	ND		73	8.5	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
2,2'-oxybis[1-chloropropane]	ND		73	7.8	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Pentachlorophenol	ND		360	32	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Phenanthrene	**590**		73	12	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Phenol	ND		73	8.6	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
Pyrene	**1100**		73	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
1,2,4,5-Tetrachlorobenzene	ND		360	27	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/27/14 14:44	08/28/14 15:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*210*	*T J*	*ug/Kg*	☼	*12.43*		*08/27/14 14:44*	*08/28/14 15:08*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*13.58*		*08/27/14 14:44*	*08/28/14 15:08*	*1*
Unknown PAH	*320*	*T J*	*ug/Kg*	☼	*16.19*		*08/27/14 14:44*	*08/28/14 15:08*	*1*
Unknown	*680*	*T J*	*ug/Kg*	☼	*16.55*		*08/27/14 14:44*	*08/28/14 15:08*	*1*
Unknown	*410*	*T J*	*ug/Kg*	☼	*18.64*		*08/27/14 14:44*	*08/28/14 15:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*35 - 105*	*08/27/14 14:44*	*08/28/14 15:08*	*1*
2-Fluorophenol (Surr)	*72*		*39 - 103*	*08/27/14 14:44*	*08/28/14 15:08*	*1*
Nitrobenzene-d5 (Surr)	*75*		*25 - 104*	*08/27/14 14:44*	*08/28/14 15:08*	*1*
Phenol-d5 (Surr)	*75*		*25 - 105*	*08/27/14 14:44*	*08/28/14 15:08*	*1*
Terphenyl-d14 (Surr)	*75*		*25 - 127*	*08/27/14 14:44*	*08/28/14 15:08*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*35 - 124*	*08/27/14 14:44*	*08/28/14 15:08*	*1*

Client Sample ID: SSHS-B80-0.17-2 (1)
Lab Sample ID: 180-35818-64
Date Collected: 08/14/14 13:43
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 92.1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
alpha-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
beta-BHC	ND		1.8	0.47	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
4,4'-DDD	**0.30**	**J p**	1.8	0.24	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
delta-BHC	ND		1.8	0.28	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
gamma-BHC (Lindane)	ND		1.8	0.32	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
Methoxychlor	**0.84**	**J p**	3.6	0.37	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1
Toxaphene	ND		72	12	ug/Kg	☼	08/27/14 16:04	08/29/14 05:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/27/14 16:04*	*08/29/14 05:19*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*08/27/14 16:04*	*08/29/14 05:19*	*1*
Tetrachloro-m-xylene	*84*		*45 - 130*	*08/27/14 16:04*	*08/29/14 05:19*	*1*
Tetrachloro-m-xylene	*79*		*45 - 130*	*08/27/14 16:04*	*08/29/14 05:19*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/27/14 16:04	08/30/14 10:29	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/27/14 16:04	08/30/14 10:29	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/27/14 16:04	08/30/14 10:29	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/27/14 16:04	08/30/14 10:29	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/27/14 16:04	08/30/14 10:29	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/27/14 16:04	08/30/14 10:29	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/27/14 16:04	08/30/14 10:29	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/27/14 16:04	08/30/14 10:29	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/27/14 16:04	08/30/14 10:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/27/14 16:04*	*08/30/14 10:29*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/27/14 16:04*	*08/30/14 11:01*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*45 - 135*	*08/27/14 16:04*	*08/30/14 10:29*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*45 - 135*	*08/27/14 16:04*	*08/30/14 11:01*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7000**		20	2.1	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Antimony	ND		1.0	0.20	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B80-0.17-2 (1)

Lab Sample ID: 180-35818-64
Date Collected: 08/14/14 13:43
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 92.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.9**		1.0	0.30	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Barium	**52**		20	0.013	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Beryllium	**0.32**	**J**	0.40	0.011	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Cadmium	ND		0.50	0.014	mg/Kg	☼	08/21/14 13:06	08/29/14 10:02	1
Calcium	**4000**		500	1.5	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Chromium	**9.0**		0.50	0.077	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Cobalt	**5.8**		5.0	0.042	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Copper	**21**		2.5	0.14	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Iron	**16000**	**B**	10	0.88	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Lead	**10**		1.0	0.10	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Magnesium	**2300**		500	2.1	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Manganese	**360**		1.5	0.089	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Nickel	**14**		4.0	0.047	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Potassium	**570**	**B**	500	6.4	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Selenium	ND		1.0	0.27	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Silver	ND		0.50	0.040	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Sodium	**200**	**J**	500	1.1	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Vanadium	**13**		5.0	0.17	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1
Zinc	**49**	**B**	2.0	0.10	mg/Kg	☼	08/21/14 13:06	08/28/14 15:54	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**	**J**	0.035	0.012	mg/Kg	☼	08/27/14 09:15	08/27/14 14:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.9**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**92**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/25/14 10:00	08/25/14 14:18	1

Client Sample ID: SSHS-B80-2-6 (5)

Lab Sample ID: 180-35818-65
Date Collected: 08/14/14 13:52
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.8	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Benzene	ND		4.8	0.65	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Bromoform	ND		4.8	0.43	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Bromomethane	ND		4.8	0.71	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
2-Butanone (MEK)	ND		4.8	0.85	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Carbon disulfide	ND		4.8	0.49	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Carbon tetrachloride	ND		4.8	0.43	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Chlorobenzene	ND		4.8	0.73	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Chlorobromomethane	ND		4.8	0.66	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Chlorodibromomethane	ND		4.8	0.68	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Chloroethane	ND		4.8	1.5	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Chloroform	ND		4.8	0.56	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Chloromethane	ND		4.8	0.82	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1

Client Sample ID: SSHS-B80-2-6 (5)
Lab Sample ID: 180-35818-65
Date Collected: 08/14/14 13:52
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		4.8	0.68	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
cis-1,3-Dichloropropene	ND	*	4.8	0.65	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Cyclohexane	ND		4.8	0.36	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
1,2-Dibromo-3-Chloropropane	ND		4.8	0.72	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
1,2-Dibromoethane	ND	*	4.8	0.83	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
1,2-Dichlorobenzene	ND		4.8	0.77	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
1,3-Dichlorobenzene	ND		4.8	0.63	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
1,4-Dichlorobenzene	ND		4.8	0.61	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Dichlorobromomethane	ND		4.8	0.54	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Dichlorodifluoromethane	ND		4.8	0.64	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
1,1-Dichloroethane	ND		4.8	0.55	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
1,2-Dichloroethane	ND		4.8	0.59	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
1,1-Dichloroethene	ND		4.8	0.82	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
1,2-Dichloropropane	ND		4.8	0.52	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
1,4-Dioxane	ND		960	270	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Ethylbenzene	ND		4.8	0.62	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
2-Hexanone	ND		4.8	0.66	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Isopropylbenzene	ND		4.8	0.65	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Methyl acetate	ND		4.8	0.87	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Methylcyclohexane	ND		4.8	0.70	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Methylene Chloride	ND		4.8	0.65	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
4-Methyl-2-pentanone (MIBK)	ND	*	4.8	0.63	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Methyl tert-butyl ether	ND		4.8	0.72	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
m-Xylene & p-Xylene	ND		9.6	1.4	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
o-Xylene	ND		4.8	0.75	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Styrene	ND		4.8	0.68	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
1,1,2,2-Tetrachloroethane	ND		4.8	0.69	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Tetrachloroethene	ND		4.8	0.65	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Toluene	ND		4.8	0.70	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
trans-1,2-Dichloroethene	ND		4.8	0.57	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
trans-1,3-Dichloropropene	ND		4.8	0.57	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
1,2,3-Trichlorobenzene	ND		4.8	0.81	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
1,2,4-Trichlorobenzene	ND		4.8	0.85	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
1,1,1-Trichloroethane	ND		4.8	0.47	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
1,1,2-Trichloroethane	ND		4.8	0.80	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Trichloroethene	ND		4.8	0.63	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Trichlorofluoromethane	ND		4.8	0.88	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.0	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1
Vinyl chloride	ND		4.8	0.45	ug/Kg	☼	08/22/14 07:58	08/22/14 20:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 07:58*	*08/22/14 20:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*63 - 120*	*08/22/14 07:58*	*08/22/14 20:45*	*1*
Dibromofluoromethane (Surr)	*85*		*68 - 121*	*08/22/14 07:58*	*08/22/14 20:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*69*		*52 - 124*	*08/22/14 07:58*	*08/22/14 20:45*	*1*
Toluene-d8 (Surr)	*109*		*72 - 127*	*08/22/14 07:58*	*08/22/14 20:45*	*1*

Client Sample Results

Client Sample ID: SSHS-B80-2-6 (5)
Lab Sample ID: 180-35818-65
Date Collected: 08/14/14 13:52
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	7.1	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Acenaphthylene	ND		74	8.4	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Acetophenone	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Anthracene	ND		74	7.2	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Atrazine	ND		360	36	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Benzo[a]anthracene	ND		74	9.2	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Benzo[a]pyrene	ND		74	7.4	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Benzo[b]fluoranthene	ND		74	12	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Benzo[g,h,i]perylene	ND		74	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Benzo[k]fluoranthene	ND		74	15	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Bis(2-ethylhexyl) phthalate	ND		740	60	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Carbazole	ND		74	6.8	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
4-Chloroaniline	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Chrysene	ND		74	8.8	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Dibenz(a,h)anthracene	ND		74	8.2	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
2,4-Dimethylphenol	ND		360	58	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Fluoranthene	ND		74	7.9	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Fluorene	ND		74	9.7	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Hexachlorobenzene	ND		74	7.9	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Hexachlorobutadiene	ND		74	8.2	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Hexachlorocyclopentadiene	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Hexachloroethane	ND		360	27	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Indeno[1,2,3-cd]pyrene	ND		74	7.6	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Isophorone	ND		360	28	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
2-Methylnaphthalene	ND		74	6.6	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1

Client Sample ID: SSHS-B80-2-6 (5)
Lab Sample ID: 180-35818-65
Date Collected: 08/14/14 13:52
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Naphthalene	ND		74	6.4	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
2-Nitrophenol	ND		360	41	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
N-Nitrosodi-n-propylamine	ND		74	8.6	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
2,2'-oxybis[1-chloropropane]	ND		74	8.0	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Phenanthrene	ND		74	12	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Phenol	ND		74	8.7	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
Pyrene	ND		74	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
2,3,4,6-Tetrachlorophenol	ND		360	24	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/27/14 14:44	08/28/14 15:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*180*	*T J*	*ug/Kg*	☼	*12.83*		*08/27/14 14:44*	*08/28/14 15:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*08/27/14 14:44*	*08/28/14 15:37*	*1*
2-Fluorophenol (Surr)	*69*		*39 - 103*	*08/27/14 14:44*	*08/28/14 15:37*	*1*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/27/14 14:44*	*08/28/14 15:37*	*1*
Phenol-d5 (Surr)	*74*		*25 - 105*	*08/27/14 14:44*	*08/28/14 15:37*	*1*
Terphenyl-d14 (Surr)	*68*		*25 - 127*	*08/27/14 14:44*	*08/28/14 15:37*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*35 - 124*	*08/27/14 14:44*	*08/28/14 15:37*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1

Client Sample ID: SSHS-B80-2-6 (5)
Date Collected: 08/14/14 13:52
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-65
Matrix: Solid
Percent Solids: 90.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1
Toxaphene	ND		74	12	ug/Kg	☼	08/27/14 16:04	08/29/14 05:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*08/27/14 16:04*	*08/29/14 05:34*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/27/14 16:04*	*08/29/14 05:34*	*1*
Tetrachloro-m-xylene	*100*		*45 - 130*	*08/27/14 16:04*	*08/29/14 05:34*	*1*
Tetrachloro-m-xylene	*92*		*45 - 130*	*08/27/14 16:04*	*08/29/14 05:34*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/27/14 16:04	08/30/14 11:01	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/27/14 16:04	08/30/14 11:01	1
PCB-1232	ND		18	3.2	ug/Kg	☼	08/27/14 16:04	08/30/14 11:01	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/27/14 16:04	08/30/14 11:01	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/27/14 16:04	08/30/14 11:01	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/27/14 16:04	08/30/14 11:01	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/27/14 16:04	08/30/14 11:01	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/27/14 16:04	08/30/14 11:01	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/27/14 16:04	08/30/14 11:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*	*08/27/14 16:04*	*08/30/14 11:01*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 125*	*08/27/14 16:04*	*08/30/14 11:32*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*45 - 135*	*08/27/14 16:04*	*08/30/14 11:01*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*45 - 135*	*08/27/14 16:04*	*08/30/14 11:32*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5700**		20	2.0	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Antimony	ND		0.98	0.19	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Arsenic	**5.6**		0.98	0.30	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Barium	**48**		20	0.013	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Beryllium	**0.25**	**J**	0.39	0.011	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Cadmium	ND		0.49	0.014	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Calcium	**7900**		490	1.5	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Chromium	**7.3**		0.49	0.075	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Cobalt	**5.3**		4.9	0.041	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Copper	**21**		2.4	0.14	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Iron	**14000**	**B**	9.8	0.87	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Lead	**6.1**		0.98	0.10	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Magnesium	**5300**		490	2.0	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Manganese	**590**		1.5	0.087	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Nickel	**12**		3.9	0.046	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Potassium	**550**	**B**	490	6.2	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Selenium	**0.37**	**J**	0.98	0.26	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Silver	ND		0.49	0.040	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Sodium	**160**	**J**	490	1.0	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1

Client Sample Results

Client Sample ID: SSHS-B80-2-6 (5)

Lab Sample ID: 180-35818-65
Date Collected: 08/14/14 13:52
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		2.0	0.14	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Vanadium	**10**		4.9	0.17	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1
Zinc	**50**	**B**	2.0	0.10	mg/Kg	☼	08/21/14 13:06	08/28/14 15:59	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.012	mg/Kg	☼	08/27/14 09:15	08/27/14 14:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.5**		0.10	0.10	%			08/18/14 11:57	1
Percent Solids	**91**		0.10	0.10	%			08/18/14 11:57	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/25/14 10:00	08/25/14 14:18	1

Client Sample ID: SSHS-B80-6-10 (8)

Lab Sample ID: 180-35818-66
Date Collected: 08/14/14 14:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 94.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.9	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Benzene	ND		4.9	0.66	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Bromoform	ND		4.9	0.43	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Bromomethane	ND		4.9	0.72	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
2-Butanone (MEK)	ND		4.9	0.86	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Carbon disulfide	ND		4.9	0.50	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Carbon tetrachloride	ND		4.9	0.43	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Chlorobenzene	ND		4.9	0.74	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Chlorobromomethane	ND		4.9	0.67	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Chlorodibromomethane	ND		4.9	0.69	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Chloroethane	ND		4.9	1.5	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Chloroform	ND		4.9	0.57	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Chloromethane	ND		4.9	0.83	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
cis-1,2-Dichloroethene	ND		4.9	0.69	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
cis-1,3-Dichloropropene	ND	*	4.9	0.66	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Cyclohexane	**0.42**	**J**	4.9	0.36	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
1,2-Dibromo-3-Chloropropane	ND		4.9	0.73	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
1,2-Dibromoethane	ND	*	4.9	0.84	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
1,2-Dichlorobenzene	ND		4.9	0.78	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
1,3-Dichlorobenzene	ND		4.9	0.64	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
1,4-Dichlorobenzene	ND		4.9	0.62	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Dichlorobromomethane	ND		4.9	0.55	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Dichlorodifluoromethane	ND		4.9	0.65	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
1,1-Dichloroethane	ND		4.9	0.56	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
1,2-Dichloroethane	ND		4.9	0.60	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
1,1-Dichloroethene	ND		4.9	0.83	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
1,2-Dichloropropane	ND		4.9	0.53	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
1,4-Dioxane	ND		970	270	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Ethylbenzene	ND		4.9	0.63	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
2-Hexanone	ND		4.9	0.67	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1

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

Client Sample ID: SSHS-B80-6-10 (8)
Lab Sample ID: 180-35818-66
Date Collected: 08/14/14 14:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 94.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		4.9	0.66	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Methyl acetate	ND		4.9	0.88	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Methylcyclohexane	**0.71**	**J**	4.9	0.71	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Methylene Chloride	ND		4.9	0.66	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
4-Methyl-2-pentanone (MIBK)	ND	*	4.9	0.64	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Methyl tert-butyl ether	ND		4.9	0.73	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
m-Xylene & p-Xylene	ND		9.7	1.4	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
o-Xylene	ND		4.9	0.76	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Styrene	ND		4.9	0.69	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.70	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Tetrachloroethene	ND		4.9	0.66	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Toluene	**0.89**	**J**	4.9	0.71	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
trans-1,2-Dichloroethene	ND		4.9	0.58	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
trans-1,3-Dichloropropene	ND		4.9	0.58	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
1,2,3-Trichlorobenzene	ND		4.9	0.82	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
1,2,4-Trichlorobenzene	ND		4.9	0.86	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
1,1,1-Trichloroethane	ND		4.9	0.47	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
1,1,2-Trichloroethane	ND		4.9	0.81	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Trichloroethene	ND		4.9	0.64	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Trichlorofluoromethane	ND		4.9	0.90	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.0	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1
Vinyl chloride	ND		4.9	0.46	ug/Kg	☼	08/22/14 07:58	08/22/14 21:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*9.0*	*T J*	*ug/Kg*	☼	*1.96*		*08/22/14 07:58*	*08/22/14 21:16*	*1*
Unknown	*9.4*	*T J*	*ug/Kg*	☼	*2.13*		*08/22/14 07:58*	*08/22/14 21:16*	*1*
Pentane	*4.9*	*T J N*	*ug/Kg*	☼	*3.14*	*109-66-0*	*08/22/14 07:58*	*08/22/14 21:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*63 - 120*	*08/22/14 07:58*	*08/22/14 21:16*	*1*
Dibromofluoromethane (Surr)	*79*		*68 - 121*	*08/22/14 07:58*	*08/22/14 21:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*66*		*52 - 124*	*08/22/14 07:58*	*08/22/14 21:16*	*1*
Toluene-d8 (Surr)	*112*		*72 - 127*	*08/22/14 07:58*	*08/22/14 21:16*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	6.8	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Acenaphthylene	ND		71	8.1	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Acetophenone	ND		350	29	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Anthracene	ND		71	6.9	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Atrazine	ND		350	34	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Benzo[a]anthracene	ND		71	8.8	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Benzo[a]pyrene	ND		71	7.0	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Benzo[b]fluoranthene	ND		71	11	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Benzo[g,h,i]perylene	ND		71	7.0	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Benzo[k]fluoranthene	ND		71	14	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
1,1'-Biphenyl	ND		350	31	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Bis(2-chloroethyl)ether	ND		71	9.5	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1

Client Sample ID: SSHS-B80-6-10 (8) **Lab Sample ID: 180-35818-66**
Date Collected: 08/14/14 14:00 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 94.1**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		710	57	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Carbazole	ND		71	6.5	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
4-Chloro-3-methylphenol	ND		350	32	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
2-Chloronaphthalene	ND		71	7.4	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Chrysene	ND		71	8.4	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Dibenz(a,h)anthracene	ND		71	7.8	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
2,4-Dichlorophenol	ND		71	7.1	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Diethyl phthalate	ND		350	38	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Dimethyl phthalate	ND		350	38	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
2,4-Dinitrotoluene	ND		350	28	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
2,6-Dinitrotoluene	ND		350	36	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
1,4-Dioxane	ND		710	40	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Fluoranthene	ND		71	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Fluorene	ND		71	9.3	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Hexachlorobenzene	ND		71	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Hexachlorobutadiene	ND		71	7.9	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Indeno[1,2,3-cd]pyrene	ND		71	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Isophorone	ND		350	27	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
2-Methylnaphthalene	ND		71	6.3	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Methylphenol, 3 & 4	ND		350	34	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Naphthalene	ND		71	6.1	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Nitrobenzene	ND		710	29	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
N-Nitrosodi-n-propylamine	ND		71	8.3	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
2,2'-oxybis[1-chloropropane]	ND		71	7.6	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Pentachlorophenol	ND		350	31	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Phenanthrene	ND		71	11	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
Phenol	ND		71	8.3	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1

Client Sample ID: SSHS-B80-6-10 (8)

Lab Sample ID: 180-35818-66

Date Collected: 08/14/14 14:00
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 94.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		71	7.1	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/27/14 14:44	08/28/14 16:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*170*	*T J*	*ug/Kg*	☼	*12.44*		*08/27/14 14:44*	*08/28/14 16:06*	*1*
Unknown	*460*	*T J*	*ug/Kg*	☼	*12.83*		*08/27/14 14:44*	*08/28/14 16:06*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*12.89*		*08/27/14 14:44*	*08/28/14 16:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*08/27/14 14:44*	*08/28/14 16:06*	*1*
2-Fluorophenol (Surr)	*77*		*39 - 103*	*08/27/14 14:44*	*08/28/14 16:06*	*1*
Nitrobenzene-d5 (Surr)	*73*		*25 - 104*	*08/27/14 14:44*	*08/28/14 16:06*	*1*
Phenol-d5 (Surr)	*81*		*25 - 105*	*08/27/14 14:44*	*08/28/14 16:06*	*1*
Terphenyl-d14 (Surr)	*73*		*25 - 127*	*08/27/14 14:44*	*08/28/14 16:06*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*35 - 124*	*08/27/14 14:44*	*08/28/14 16:06*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1
Toxaphene	ND		71	12	ug/Kg	☼	08/27/14 16:04	08/29/14 05:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/27/14 16:04*	*08/29/14 05:50*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 130*	*08/27/14 16:04*	*08/29/14 05:50*	*1*
Tetrachloro-m-xylene	*85*		*45 - 130*	*08/27/14 16:04*	*08/29/14 05:50*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/27/14 16:04*	*08/29/14 05:50*	*1*

Client Sample ID: SSHS-B80-6-10 (8)

Lab Sample ID: 180-35818-66

Date Collected: 08/14/14 14:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 94.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/27/14 16:04	08/30/14 11:32	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/27/14 16:04	08/30/14 11:32	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/27/14 16:04	08/30/14 11:32	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/27/14 16:04	08/30/14 11:32	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/27/14 16:04	08/30/14 11:32	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/27/14 16:04	08/30/14 11:32	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/27/14 16:04	08/30/14 11:32	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/27/14 16:04	08/30/14 11:32	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/27/14 16:04	08/30/14 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/27/14 16:04*	*08/30/14 11:32*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/27/14 16:04*	*08/30/14 12:04*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*45 - 135*	*08/27/14 16:04*	*08/30/14 11:32*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*45 - 135*	*08/27/14 16:04*	*08/30/14 12:04*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5200**		21	2.2	mg/Kg	☼	08/21/14 13:06	08/28/14 16:15	1
Antimony	**0.36**	**J**	1.0	0.21	mg/Kg	☼	08/21/14 13:06	08/28/14 16:15	1
Arsenic	**4.1**		1.0	0.32	mg/Kg	☼	08/21/14 13:06	08/28/14 16:15	1
Barium	**30**		21	0.013	mg/Kg	☼	08/21/14 13:06	08/28/14 16:15	1
Beryllium	**0.22**	**J**	0.42	0.012	mg/Kg	☼	08/21/14 13:06	08/28/14 16:15	1
Cadmium	**0.094**	**J B**	0.52	0.015	mg/Kg	☼	08/21/14 13:06	08/29/14 08:43	1
Calcium	**38000**		520	1.6	mg/Kg	☼	08/21/14 13:06	08/28/14 16:15	1
Chromium	**7.5**		0.52	0.080	mg/Kg	☼	08/21/14 13:06	08/28/14 16:15	1
Cobalt	**4.6**	**J**	5.2	0.044	mg/Kg	☼	08/21/14 13:06	08/28/14 16:15	1
Copper	**14**		2.6	0.15	mg/Kg	☼	08/21/14 13:06	08/28/14 16:15	1
Iron	**12000**	**B**	10	0.92	mg/Kg	☼	08/21/14 13:06	08/28/14 16:15	1
Lead	**6.3**		1.0	0.11	mg/Kg	☼	08/21/14 13:06	08/28/14 16:15	1
Magnesium	**5000**		520	2.2	mg/Kg	☼	08/21/14 13:06	08/29/14 08:43	1
Manganese	**330**		1.6	0.093	mg/Kg	☼	08/21/14 13:06	08/28/14 16:15	1
Nickel	**11**		4.2	0.049	mg/Kg	☼	08/21/14 13:06	08/28/14 16:15	1
Potassium	**550**	**B**	520	6.7	mg/Kg	☼	08/21/14 13:06	08/28/14 16:15	1
Selenium	**0.66**	**J**	1.0	0.28	mg/Kg	☼	08/21/14 13:06	08/28/14 16:15	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/21/14 13:06	08/28/14 16:15	1
Sodium	**93**	**J**	520	1.1	mg/Kg	☼	08/21/14 13:06	08/28/14 16:15	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/21/14 13:06	08/29/14 08:43	1
Vanadium	**8.7**		5.2	0.18	mg/Kg	☼	08/21/14 13:06	08/28/14 16:15	1
Zinc	**44**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:06	08/29/14 08:43	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.011	mg/Kg	☼	08/27/14 09:15	08/27/14 14:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.9**		0.10	0.10	%			08/18/14 16:00	1
Percent Solids	**94**		0.10	0.10	%			08/18/14 16:00	1
Cyanide, Total	ND		0.51	0.15	mg/Kg	☼	08/25/14 10:00	08/25/14 14:18	1

Client Sample Results

Client: Geosyntec Consultants, Inc.

TestAmerica Job ID: 180-35818-2

Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B80-10-14.5 (12.5)

Lab Sample ID: 180-35818-67

Date Collected: 08/14/14 14:10

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 92.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		15	3.7	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Benzene	ND		3.7	0.51	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Bromoform	ND		3.7	0.33	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Bromomethane	ND		3.7	0.55	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
2-Butanone (MEK)	ND		3.7	0.66	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Carbon disulfide	ND		3.7	0.38	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Carbon tetrachloride	ND		3.7	0.33	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Chlorobenzene	ND		3.7	0.57	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Chlorobromomethane	ND		3.7	0.52	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Chlorodibromomethane	ND		3.7	0.53	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Chloroethane	ND		3.7	1.2	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Chloroform	ND		3.7	0.44	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Chloromethane	ND		3.7	0.64	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
cis-1,2-Dichloroethene	ND		3.7	0.53	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
cis-1,3-Dichloropropene	ND	*	3.7	0.51	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Cyclohexane	ND		3.7	0.28	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
1,2-Dibromo-3-Chloropropane	ND		3.7	0.56	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
1,2-Dibromoethane	ND	*	3.7	0.65	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
1,2-Dichlorobenzene	ND		3.7	0.60	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
1,3-Dichlorobenzene	ND		3.7	0.49	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
1,4-Dichlorobenzene	ND		3.7	0.48	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Dichlorobromomethane	ND		3.7	0.42	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Dichlorodifluoromethane	ND		3.7	0.50	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
1,1-Dichloroethane	ND		3.7	0.43	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
1,2-Dichloroethane	ND		3.7	0.46	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
1,1-Dichloroethene	ND		3.7	0.64	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
1,2-Dichloropropane	ND		3.7	0.41	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
1,4-Dioxane	ND		750	210	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Ethylbenzene	ND		3.7	0.48	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
2-Hexanone	ND		3.7	0.52	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Isopropylbenzene	ND		3.7	0.51	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Methyl acetate	ND		3.7	0.68	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Methylcyclohexane	ND		3.7	0.54	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Methylene Chloride	ND		3.7	0.50	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
4-Methyl-2-pentanone (MIBK)	ND	*	3.7	0.49	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Methyl tert-butyl ether	ND		3.7	0.56	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
m-Xylene & p-Xylene	ND		7.5	1.1	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
o-Xylene	ND		3.7	0.58	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Styrene	ND		3.7	0.53	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
1,1,2,2-Tetrachloroethane	ND		3.7	0.54	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Tetrachloroethene	ND		3.7	0.51	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Toluene	ND		3.7	0.55	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
trans-1,2-Dichloroethene	ND		3.7	0.45	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
trans-1,3-Dichloropropene	ND		3.7	0.45	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
1,2,3-Trichlorobenzene	ND		3.7	0.63	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
1,2,4-Trichlorobenzene	ND		3.7	0.66	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
1,1,1-Trichloroethane	ND		3.7	0.36	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
1,1,2-Trichloroethane	ND		3.7	0.62	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Trichloroethene	ND		3.7	0.49	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35818-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B80-10-14.5 (12.5)

Lab Sample ID: 180-35818-67
Date Collected: 08/14/14 14:10
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 92.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		3.7	0.69	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.7	0.80	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1
Vinyl chloride	ND		3.7	0.35	ug/Kg	☼	08/22/14 07:58	08/22/14 16:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 07:58*	*08/22/14 16:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*63 - 120*	*08/22/14 07:58*	*08/22/14 16:44*	*1*
Dibromofluoromethane (Surr)	*84*		*68 - 121*	*08/22/14 07:58*	*08/22/14 16:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*67*		*52 - 124*	*08/22/14 07:58*	*08/22/14 16:44*	*1*
Toluene-d8 (Surr)	*112*		*72 - 127*	*08/22/14 07:58*	*08/22/14 16:44*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	6.9	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Acenaphthylene	ND		72	8.2	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Acetophenone	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Anthracene	ND		72	7.0	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Atrazine	ND		360	35	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Benzaldehyde	ND		360	54	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Benzo[a]anthracene	ND		72	9.0	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Benzo[a]pyrene	ND		72	7.2	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Benzo[b]fluoranthene	ND		72	11	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Benzo[g,h,i]perylene	ND		72	7.1	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Benzo[k]fluoranthene	ND		72	15	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Bis(2-chloroethyl)ether	ND		72	9.6	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
4-Bromophenyl phenyl ether	ND		360	31	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Butyl benzyl phthalate	ND		360	49	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Carbazole	ND		72	6.6	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
2-Chloronaphthalene	ND		72	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
2-Chlorophenol	ND		360	29	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Chrysene	ND		72	8.5	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Dibenz(a,h)anthracene	ND		72	8.0	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Dibenzofuran	ND		360	35	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Diethyl phthalate	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
2,4-Dimethylphenol	ND		360	56	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Dimethyl phthalate	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Di-n-butyl phthalate	ND		360	45	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B80-10-14.5 (12.5)
Date Collected: 08/14/14 14:10
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-67
Matrix: Solid
Percent Solids: 92.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
2,6-Dinitrotoluene	ND		360	37	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Fluoranthene	ND		72	7.7	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Fluorene	ND		72	9.5	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Hexachlorobenzene	ND		72	7.6	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Indeno[1,2,3-cd]pyrene	ND		72	7.4	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Isophorone	ND		360	27	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
2-Methylnaphthalene	ND		72	6.5	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Methylphenol, 3 & 4	ND		360	35	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Naphthalene	ND		72	6.2	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
4-Nitroaniline	ND		1800	150	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
N-Nitrosodiphenylamine	ND		360	33	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
2,2'-oxybis[1-chloropropane]	ND		72	7.7	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Pentachlorophenol	ND		360	32	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Phenanthrene	ND		72	11	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Phenol	ND		72	8.5	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
Pyrene	ND		72	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
1,2,4,5-Tetrachlorobenzene	ND		360	27	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
2,4,5-Trichlorophenol	ND		360	38	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/27/14 14:44	08/28/14 16:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*210*	*T J*	*ug/Kg*	☼	*9.85*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*10.24*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*10.27*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*10.59*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*10.64*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*10.93*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*11.19*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*11.26*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*11.36*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*11.45*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*11.48*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*11.61*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*11.65*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*11.83*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*12.11*		*08/27/14 14:44*	*08/28/14 16:35*	*1*

Client Sample ID: SSHS-B80-10-14.5 (12.5)
Lab Sample ID: 180-35818-67
Date Collected: 08/14/14 14:10
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 92.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*230*	*T J*	*ug/Kg*	☼	*12.23*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*450*	*T J*	*ug/Kg*	☼	*12.44*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*12.50*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*490*	*T J*	*ug/Kg*	☼	*12.51*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*12.68*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*12.84*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*13.53*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*13.76*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*14.60*		*08/27/14 14:44*	*08/28/14 16:35*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*14.62*		*08/27/14 14:44*	*08/28/14 16:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*08/27/14 14:44*	*08/28/14 16:35*	*1*
2-Fluorophenol (Surr)	*70*		*39 - 103*	*08/27/14 14:44*	*08/28/14 16:35*	*1*
Nitrobenzene-d5 (Surr)	*74*		*25 - 104*	*08/27/14 14:44*	*08/28/14 16:35*	*1*
Phenol-d5 (Surr)	*75*		*25 - 105*	*08/27/14 14:44*	*08/28/14 16:35*	*1*
Terphenyl-d14 (Surr)	*68*		*25 - 127*	*08/27/14 14:44*	*08/28/14 16:35*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 124*	*08/27/14 14:44*	*08/28/14 16:35*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
alpha-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
beta-BHC	ND		1.8	0.47	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
Endosulfan sulfate	**0.34**	**J p**	1.8	0.19	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
Endrin aldehyde	**0.41**	**J p**	1.8	0.35	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
gamma-BHC (Lindane)	ND		1.8	0.32	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
Methoxychlor	**2.6**	**J p**	3.6	0.37	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1
Toxaphene	ND		72	12	ug/Kg	☼	08/27/14 16:16	08/29/14 06:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 130*	*08/27/14 16:16*	*08/29/14 06:05*	*1*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 130*	*08/27/14 16:16*	*08/29/14 06:05*	*1*
Tetrachloro-m-xylene	*82*		*45 - 130*	*08/27/14 16:16*	*08/29/14 06:05*	*1*
Tetrachloro-m-xylene	*78*		*45 - 130*	*08/27/14 16:16*	*08/29/14 06:05*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B80-10-14.5 (12.5) Lab Sample ID: 180-35818-67

Date Collected: 08/14/14 14:10 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 92.9**

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/27/14 16:16	08/30/14 12:04	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/27/14 16:16	08/30/14 12:04	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/27/14 16:16	08/30/14 12:04	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/27/14 16:16	08/30/14 12:04	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/27/14 16:16	08/30/14 12:04	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/27/14 16:16	08/30/14 12:04	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/27/14 16:16	08/30/14 12:04	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/27/14 16:16	08/30/14 12:04	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/27/14 16:16	08/30/14 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*63*		*45 - 125*	*08/27/14 16:16*	*08/30/14 12:04*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/27/14 16:16*	*08/30/14 12:35*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*45 - 135*	*08/27/14 16:16*	*08/30/14 12:04*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*	*08/27/14 16:16*	*08/30/14 12:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4300**		20	2.1	mg/Kg	☼	08/21/14 13:06	08/28/14 16:20	1
Antimony	**0.37**	**J**	1.0	0.20	mg/Kg	☼	08/21/14 13:06	08/28/14 16:20	1
Arsenic	**4.3**		1.0	0.31	mg/Kg	☼	08/21/14 13:06	08/28/14 16:20	1
Barium	**30**		20	0.013	mg/Kg	☼	08/21/14 13:06	08/28/14 16:20	1
Beryllium	**0.18**	**J**	0.40	0.011	mg/Kg	☼	08/21/14 13:06	08/28/14 16:20	1
Cadmium	**0.094**	**J B**	0.50	0.014	mg/Kg	☼	08/21/14 13:06	08/29/14 08:49	1
Calcium	**47000**		500	1.5	mg/Kg	☼	08/21/14 13:06	08/28/14 16:20	1
Chromium	**8.3**		0.50	0.078	mg/Kg	☼	08/21/14 13:06	08/28/14 16:20	1
Cobalt	**4.2**	**J**	5.0	0.042	mg/Kg	☼	08/21/14 13:06	08/28/14 16:20	1
Copper	**12**		2.5	0.14	mg/Kg	☼	08/21/14 13:06	08/28/14 16:20	1
Iron	**11000**	**B**	10	0.89	mg/Kg	☼	08/21/14 13:06	08/28/14 16:20	1
Lead	**6.8**		1.0	0.10	mg/Kg	☼	08/21/14 13:06	08/28/14 16:20	1
Magnesium	**9500**		500	2.1	mg/Kg	☼	08/21/14 13:06	08/29/14 08:49	1
Manganese	**330**		1.5	0.089	mg/Kg	☼	08/21/14 13:06	08/28/14 16:20	1
Nickel	**9.9**		4.0	0.048	mg/Kg	☼	08/21/14 13:06	08/28/14 16:20	1
Potassium	**590**	**B**	500	6.4	mg/Kg	☼	08/21/14 13:06	08/28/14 16:20	1
Selenium	**0.35**	**J**	1.0	0.27	mg/Kg	☼	08/21/14 13:06	08/28/14 16:20	1
Silver	ND		0.50	0.041	mg/Kg	☼	08/21/14 13:06	08/28/14 16:20	1
Sodium	**110**	**J**	500	1.1	mg/Kg	☼	08/21/14 13:06	08/28/14 16:20	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/21/14 13:06	08/29/14 08:49	1
Vanadium	**8.4**		5.0	0.18	mg/Kg	☼	08/21/14 13:06	08/28/14 16:20	1
Zinc	**38**	**B**	2.0	0.10	mg/Kg	☼	08/21/14 13:06	08/29/14 08:49	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.012	mg/Kg	☼	08/27/14 09:15	08/27/14 14:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.1**		0.10	0.10	%			08/18/14 16:00	1
Percent Solids	**93**		0.10	0.10	%			08/18/14 16:00	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/25/14 10:00	08/25/14 14:18	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B79-0.17-2 (1)
Date Collected: 08/14/14 13:00
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-68
Matrix: Solid
Percent Solids: 88.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	6.1	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Benzene	ND		6.1	0.83	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Bromoform	ND		6.1	0.54	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Bromomethane	ND		6.1	0.91	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
2-Butanone (MEK)	ND		6.1	1.1	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Carbon disulfide	ND		6.1	0.63	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Carbon tetrachloride	ND		6.1	0.55	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Chlorobenzene	ND		6.1	0.93	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Chlorobromomethane	ND		6.1	0.85	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Chlorodibromomethane	ND		6.1	0.87	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Chloroethane	ND		6.1	1.9	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Chloroform	ND		6.1	0.72	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Chloromethane	ND		6.1	1.0	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
cis-1,2-Dichloroethene	ND		6.1	0.86	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
cis-1,3-Dichloropropene	ND	*	6.1	0.83	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Cyclohexane	ND		6.1	0.46	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
1,2-Dibromo-3-Chloropropane	ND		6.1	0.92	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
1,2-Dibromoethane	ND	*	6.1	1.1	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
1,2-Dichlorobenzene	ND		6.1	0.98	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
1,3-Dichlorobenzene	ND		6.1	0.81	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
1,4-Dichlorobenzene	ND		6.1	0.78	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Dichlorobromomethane	ND		6.1	0.69	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Dichlorodifluoromethane	ND		6.1	0.82	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
1,1-Dichloroethane	ND		6.1	0.71	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
1,2-Dichloroethane	ND		6.1	0.75	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
1,1-Dichloroethene	ND		6.1	1.0	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
1,2-Dichloropropane	ND		6.1	0.67	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
1,4-Dioxane	ND		1200	340	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Ethylbenzene	ND		6.1	0.79	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
2-Hexanone	ND		6.1	0.85	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Isopropylbenzene	ND		6.1	0.83	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Methyl acetate	ND		6.1	1.1	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Methylcyclohexane	ND		6.1	0.89	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Methylene Chloride	ND		6.1	0.83	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
4-Methyl-2-pentanone (MIBK)	ND	*	6.1	0.80	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Methyl tert-butyl ether	ND		6.1	0.92	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
m-Xylene & p-Xylene	ND		12	1.8	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
o-Xylene	ND		6.1	0.96	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Styrene	ND		6.1	0.87	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
1,1,2,2-Tetrachloroethane	ND		6.1	0.88	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Tetrachloroethene	ND		6.1	0.84	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Toluene	ND		6.1	0.90	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
trans-1,2-Dichloroethene	ND		6.1	0.73	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
trans-1,3-Dichloropropene	ND		6.1	0.73	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
1,2,3-Trichlorobenzene	ND		6.1	1.0	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
1,2,4-Trichlorobenzene	ND		6.1	1.1	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
1,1,1-Trichloroethane	ND		6.1	0.60	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
1,1,2-Trichloroethane	ND		6.1	1.0	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Trichloroethene	ND		6.1	0.81	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1

Client Sample ID: SSHS-B79-0.17-2 (1)

Lab Sample ID: 180-35818-68

Date Collected: 08/14/14 13:00

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		6.1	1.1	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.1	1.3	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1
Vinyl chloride	ND		6.1	0.58	ug/Kg	☼	08/22/14 07:58	08/22/14 17:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 07:58*	*08/22/14 17:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*63 - 120*	*08/22/14 07:58*	*08/22/14 17:15*	*1*
Dibromofluoromethane (Surr)	*81*		*68 - 121*	*08/22/14 07:58*	*08/22/14 17:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*61*		*52 - 124*	*08/22/14 07:58*	*08/22/14 17:15*	*1*
Toluene-d8 (Surr)	*108*		*72 - 127*	*08/22/14 07:58*	*08/22/14 17:15*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**41**	**J**	76	7.2	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Acenaphthylene	**660**		76	8.6	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Acetophenone	ND		370	31	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Anthracene	**470**		76	7.4	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Atrazine	ND		370	37	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Benzo[a]anthracene	**1600**		76	9.4	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Benzo[a]pyrene	**1800**		76	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Benzo[b]fluoranthene	**2200**		76	12	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Benzo[g,h,i]perylene	**2700**		76	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Benzo[k]fluoranthene	**760**		76	15	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
1,1'-Biphenyl	**230**	**J**	370	34	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Bis(2-chloroethyl)ether	ND		76	10	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Bis(2-ethylhexyl) phthalate	ND		760	61	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
4-Bromophenyl phenyl ether	ND		370	33	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Carbazole	**160**		76	6.9	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
4-Chloro-3-methylphenol	ND		370	35	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
2-Chloronaphthalene	ND		76	7.9	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
4-Chlorophenyl phenyl ether	ND		370	42	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Chrysene	**1500**		76	9.0	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Dibenz(a,h)anthracene	**460**		76	8.4	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Dibenzofuran	**490**		370	37	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
3,3'-Dichlorobenzidine	ND		370	40	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
2,4-Dichlorophenol	ND		76	7.6	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
2,4-Dimethylphenol	ND		370	59	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B79-0.17-2 (1) **Lab Sample ID: 180-35818-68**
Date Collected: 08/14/14 13:00 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 88.0**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Di-n-octyl phthalate	ND		370	40	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
1,4-Dioxane	ND		760	43	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Fluoranthene	**2500**		76	8.1	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Fluorene	**69**	**J**	76	9.9	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Hexachlorobenzene	ND		76	8.0	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Hexachlorobutadiene	ND		76	8.4	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Hexachlorocyclopentadiene	ND		370	41	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Indeno[1,2,3-cd]pyrene	**2100**		76	7.8	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Isophorone	ND		370	28	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
2-Methylnaphthalene	**830**		76	6.8	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Naphthalene	**4600**		76	6.5	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
3-Nitroaniline	ND		1900	160	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Nitrobenzene	ND		760	31	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
2-Nitrophenol	ND		370	42	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
N-Nitrosodi-n-propylamine	ND		76	8.8	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
2,2'-oxybis[1-chloropropane]	ND		76	8.1	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Pentachlorophenol	ND		370	34	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Phenanthrene	**1300**		76	12	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Phenol	ND		76	8.9	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
Pyrene	**2000**		76	7.6	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
1,2,4,5-Tetrachlorobenzene	ND		370	29	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/27/14 14:44	08/28/14 17:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*360*	*T J*	*ug/Kg*	☼	*8.18*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown Straight Chain Alkane	*570*	*T J*	*ug/Kg*	☼	*9.41*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*9.61*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown Straight Chain Alkane	*860*	*T J*	*ug/Kg*	☼	*9.83*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown	*490*	*T J*	*ug/Kg*	☼	*10.23*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown	*310*	*T J*	*ug/Kg*	☼	*10.27*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*10.32*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*10.93*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*11.04*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown	*420*	*T J*	*ug/Kg*	☼	*11.83*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*12.44*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*12.84*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*13.24*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown	*730*	*T J*	*ug/Kg*	☼	*16.20*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown PAH	*1600*	*T J*	*ug/Kg*	☼	*16.56*		*08/27/14 14:44*	*08/28/14 17:04*	*1*

Client Sample Results

Client Sample ID: SSHS-B79-0.17-2 (1)

Lab Sample ID: 180-35818-68
Date Collected: 08/14/14 13:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*510*	*T J*	*ug/Kg*	☼	*16.84*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*17.09*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown	*950*	*T J*	*ug/Kg*	☼	*18.76*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown	*620*	*T J*	*ug/Kg*	☼	*19.22*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown	*360*	*T J*	*ug/Kg*	☼	*19.30*		*08/27/14 14:44*	*08/28/14 17:04*	*1*
Unknown	*310*	*T J*	*ug/Kg*	☼	*19.85*		*08/27/14 14:44*	*08/28/14 17:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*08/27/14 14:44*	*08/28/14 17:04*	*1*
2-Fluorophenol (Surr)	*68*		*39 - 103*	*08/27/14 14:44*	*08/28/14 17:04*	*1*
Nitrobenzene-d5 (Surr)	*70*		*25 - 104*	*08/27/14 14:44*	*08/28/14 17:04*	*1*
Phenol-d5 (Surr)	*73*		*25 - 105*	*08/27/14 14:44*	*08/28/14 17:04*	*1*
Terphenyl-d14 (Surr)	*67*		*25 - 127*	*08/27/14 14:44*	*08/28/14 17:04*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*35 - 124*	*08/27/14 14:44*	*08/28/14 17:04*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.34	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
alpha-BHC	ND		1.9	0.31	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
alpha-Chlordane	**0.74**	**J**	1.9	0.37	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
beta-BHC	ND		1.9	0.49	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
4,4'-DDD	**4.9**	**p**	1.9	0.25	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
4,4'-DDT	**2.1**		1.9	0.28	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
delta-BHC	**0.65**	**J p**	1.9	0.29	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
Dieldrin	**0.97**	**J p**	1.9	0.31	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
Endosulfan sulfate	ND		1.9	0.20	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
Endrin	**4.1**		1.9	0.36	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
Endrin aldehyde	**1.8**	**J**	1.9	0.37	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
gamma-Chlordane	**0.64**	**J p**	1.9	0.37	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
Heptachlor epoxide	ND		1.9	0.37	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
Methoxychlor	**3.5**	**J p**	3.7	0.39	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1
Toxaphene	ND		76	13	ug/Kg	☼	08/27/14 16:16	08/29/14 06:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*45 - 130*	*08/27/14 16:16*	*08/29/14 06:21*	*1*
DCB Decachlorobiphenyl (Surr)	*62*	*p*	*45 - 130*	*08/27/14 16:16*	*08/29/14 06:21*	*1*
Tetrachloro-m-xylene	*70*		*45 - 130*	*08/27/14 16:16*	*08/29/14 06:21*	*1*
Tetrachloro-m-xylene	*68*		*45 - 130*	*08/27/14 16:16*	*08/29/14 06:21*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/27/14 16:16	08/30/14 12:35	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/27/14 16:16	08/30/14 12:35	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/27/14 16:16	08/30/14 12:35	1

Client Sample ID: SSHS-B79-0.17-2 (1)
Lab Sample ID: 180-35818-68
Date Collected: 08/14/14 13:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		19	3.1	ug/Kg	☼	08/27/14 16:16	08/30/14 12:35	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/27/14 16:16	08/30/14 12:35	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/27/14 16:16	08/30/14 12:35	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/27/14 16:16	08/30/14 12:35	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/27/14 16:16	08/30/14 12:35	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/27/14 16:16	08/30/14 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*45 - 125*	*08/27/14 16:16*	*08/30/14 12:35*	*1*
DCB Decachlorobiphenyl (Surr)	*60*		*45 - 125*	*08/27/14 16:16*	*08/30/14 13:07*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*45 - 135*	*08/27/14 16:16*	*08/30/14 12:35*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*	*08/27/14 16:16*	*08/30/14 13:07*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7100**		23	2.4	mg/Kg	☼	08/21/14 13:06	08/28/14 16:26	1
Antimony	**0.51**	**J**	1.1	0.23	mg/Kg	☼	08/21/14 13:06	08/28/14 16:26	1
Arsenic	**8.6**		1.1	0.35	mg/Kg	☼	08/21/14 13:06	08/28/14 16:26	1
Barium	**90**		23	0.015	mg/Kg	☼	08/21/14 13:06	08/28/14 16:26	1
Beryllium	**0.41**	**J**	0.46	0.013	mg/Kg	☼	08/21/14 13:06	08/28/14 16:26	1
Cadmium	**0.15**	**J B**	0.57	0.016	mg/Kg	☼	08/21/14 13:06	08/29/14 08:54	1
Calcium	**20000**		570	1.7	mg/Kg	☼	08/21/14 13:06	08/28/14 16:26	1
Chromium	**9.6**		0.57	0.089	mg/Kg	☼	08/21/14 13:06	08/28/14 16:26	1
Cobalt	**6.0**		5.7	0.048	mg/Kg	☼	08/21/14 13:06	08/28/14 16:26	1
Copper	**35**		2.9	0.17	mg/Kg	☼	08/21/14 13:06	08/28/14 16:26	1
Iron	**18000**	**B**	11	1.0	mg/Kg	☼	08/21/14 13:06	08/28/14 16:26	1
Lead	**32**		1.1	0.12	mg/Kg	☼	08/21/14 13:06	08/28/14 16:26	1
Magnesium	**2900**		570	2.4	mg/Kg	☼	08/21/14 13:06	08/29/14 08:54	1
Manganese	**350**		1.7	0.10	mg/Kg	☼	08/21/14 13:06	08/28/14 16:26	1
Nickel	**15**		4.6	0.055	mg/Kg	☼	08/21/14 13:06	08/28/14 16:26	1
Potassium	**690**	**B**	570	7.3	mg/Kg	☼	08/21/14 13:06	08/28/14 16:26	1
Selenium	**0.54**	**J**	1.1	0.31	mg/Kg	☼	08/21/14 13:06	08/28/14 16:26	1
Silver	ND		0.57	0.046	mg/Kg	☼	08/21/14 13:06	08/28/14 16:26	1
Sodium	**160**	**J**	570	1.2	mg/Kg	☼	08/21/14 13:06	08/28/14 16:26	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/21/14 13:06	08/29/14 08:54	1
Vanadium	**15**		5.7	0.20	mg/Kg	☼	08/21/14 13:06	08/28/14 16:26	1
Zinc	**76**	**B**	2.3	0.12	mg/Kg	☼	08/21/14 13:06	08/29/14 08:54	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.044**		0.037	0.012	mg/Kg	☼	08/27/14 09:15	08/27/14 14:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10	0.10	%			08/18/14 16:00	1
Percent Solids	**88**		0.10	0.10	%			08/18/14 16:00	1
Cyanide, Total	**3.5**	**B**	0.57	0.17	mg/Kg	☼	08/25/14 10:00	08/25/14 14:18	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B79-2-6 (4.5)
Date Collected: 08/14/14 13:05
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-69
Matrix: Solid
Percent Solids: 92.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	5.4	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Benzene	ND		5.4	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Bromoform	ND		5.4	0.48	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Bromomethane	ND		5.4	0.80	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
2-Butanone (MEK)	ND		5.4	0.96	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Carbon disulfide	ND		5.4	0.56	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Carbon tetrachloride	ND		5.4	0.48	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Chlorobenzene	ND		5.4	0.82	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Chlorobromomethane	ND		5.4	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Chlorodibromomethane	ND		5.4	0.77	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Chloroethane	ND		5.4	1.7	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Chloroform	ND		5.4	0.63	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Chloromethane	ND		5.4	0.92	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
cis-1,2-Dichloroethene	ND		5.4	0.76	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
cis-1,3-Dichloropropene	ND		5.4	0.74	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Cyclohexane	ND		5.4	0.40	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
1,2-Dibromo-3-Chloropropane	ND		5.4	0.81	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
1,2-Dibromoethane	ND		5.4	0.94	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
1,2-Dichlorobenzene	ND		5.4	0.86	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
1,3-Dichlorobenzene	ND		5.4	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
1,4-Dichlorobenzene	ND		5.4	0.69	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Dichlorobromomethane	ND		5.4	0.61	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Dichlorodifluoromethane	ND		5.4	0.72	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
1,1-Dichloroethane	ND		5.4	0.62	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
1,2-Dichloroethane	ND		5.4	0.67	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
1,1-Dichloroethene	ND		5.4	0.92	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
1,2-Dichloropropane	ND		5.4	0.59	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
1,4-Dioxane	ND		1100	300	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Ethylbenzene	ND		5.4	0.70	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
2-Hexanone	ND		5.4	0.75	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Isopropylbenzene	ND		5.4	0.74	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Methyl acetate	ND		5.4	0.98	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Methylcyclohexane	ND		5.4	0.79	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Methylene Chloride	ND		5.4	0.73	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.4	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Methyl tert-butyl ether	ND		5.4	0.81	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
o-Xylene	ND		5.4	0.85	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Styrene	ND		5.4	0.76	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
1,1,2,2-Tetrachloroethane	ND		5.4	0.78	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Tetrachloroethene	ND		5.4	0.74	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Toluene	ND		5.4	0.79	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
trans-1,2-Dichloroethene	ND		5.4	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
trans-1,3-Dichloropropene	ND		5.4	0.65	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
1,2,3-Trichlorobenzene	ND		5.4	0.92	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
1,2,4-Trichlorobenzene	ND		5.4	0.96	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
1,1,1-Trichloroethane	ND		5.4	0.53	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
1,1,2-Trichloroethane	ND		5.4	0.90	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Trichloroethene	ND		5.4	0.71	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1

Client Sample ID: SSHS-B79-2-6 (4.5)

Lab Sample ID: 180-35818-69

Date Collected: 08/14/14 13:05

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 92.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		5.4	1.0	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1
Vinyl chloride	ND		5.4	0.51	ug/Kg	☼	08/20/14 03:43	08/20/14 05:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/20/14 03:43*	*08/20/14 05:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/20/14 03:43*	*08/20/14 05:49*	*1*
Dibromofluoromethane (Surr)	*103*		*68 - 121*	*08/20/14 03:43*	*08/20/14 05:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*52 - 124*	*08/20/14 03:43*	*08/20/14 05:49*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/20/14 03:43*	*08/20/14 05:49*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Acenaphthylene	ND		73	8.3	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Acetophenone	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Anthracene	ND		73	7.1	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Atrazine	ND		360	35	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Benzaldehyde	ND		360	54	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Benzo[a]anthracene	ND		73	9.1	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Benzo[a]pyrene	ND		73	7.2	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Benzo[b]fluoranthene	ND		73	11	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Benzo[g,h,i]perylene	ND		73	7.2	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Benzo[k]fluoranthene	ND		73	15	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Bis(2-chloroethyl)ether	ND		73	9.7	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Bis(2-ethylhexyl) phthalate	ND		730	58	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
4-Bromophenyl phenyl ether	ND		360	31	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Butyl benzyl phthalate	ND		360	49	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Carbazole	ND		73	6.7	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Chrysene	ND		73	8.6	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Dibenz(a,h)anthracene	ND		73	8.1	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Dimethyl phthalate	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Di-n-butyl phthalate	ND		360	45	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
4,6-Dinitro-2-methylphenol	ND		1800	150	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1

Client Sample ID: SSHS-B79-2-6 (4.5)
Lab Sample ID: 180-35818-69
Date Collected: 08/14/14 13:05
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 92.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
2,6-Dinitrotoluene	ND		360	37	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Fluoranthene	**21**	**J**	73	7.7	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Fluorene	ND		73	9.5	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Hexachlorobenzene	ND		73	7.7	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Hexachlorobutadiene	ND		73	8.1	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Indeno[1,2,3-cd]pyrene	ND		73	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Isophorone	ND		360	27	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
2-Methylnaphthalene	**11**	**J**	73	6.5	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Methylphenol, 3 & 4	ND		360	35	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Naphthalene	**27**	**J**	73	6.2	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
4-Nitroaniline	ND		1800	150	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
N-Nitrosodi-n-propylamine	ND		73	8.5	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
N-Nitrosodiphenylamine	ND		360	33	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
2,2'-oxybis[1-chloropropane]	ND		73	7.8	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Pentachlorophenol	ND		360	32	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Phenanthrene	**31**	**J**	73	12	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Phenol	ND		73	8.6	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
Pyrene	**18**	**J**	73	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
1,2,4,5-Tetrachlorobenzene	ND		360	27	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/27/14 14:44	08/28/14 17:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*170*	*T J*	*ug/Kg*	☼	*10.28*		*08/27/14 14:44*	*08/28/14 17:33*	*1*
Unknown	*540*	*T J*	*ug/Kg*	☼	*12.84*		*08/27/14 14:44*	*08/28/14 17:33*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*12.90*		*08/27/14 14:44*	*08/28/14 17:33*	*1*
Unknown PAH	*260*	*T J*	*ug/Kg*	☼	*15.57*		*08/27/14 14:44*	*08/28/14 17:33*	*1*
Unknown PAH	*660*	*T J*	*ug/Kg*	☼	*15.94*		*08/27/14 14:44*	*08/28/14 17:33*	*1*
Unknown	*630*	*T J*	*ug/Kg*	☼	*17.62*		*08/27/14 14:44*	*08/28/14 17:33*	*1*
Unknown	*610*	*T J*	*ug/Kg*	☼	*17.72*		*08/27/14 14:44*	*08/28/14 17:33*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*18.02*		*08/27/14 14:44*	*08/28/14 17:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*35 - 105*	*08/27/14 14:44*	*08/28/14 17:33*	*1*
2-Fluorophenol (Surr)	*66*		*39 - 103*	*08/27/14 14:44*	*08/28/14 17:33*	*1*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/27/14 14:44*	*08/28/14 17:33*	*1*
Phenol-d5 (Surr)	*70*		*25 - 105*	*08/27/14 14:44*	*08/28/14 17:33*	*1*
Terphenyl-d14 (Surr)	*70*		*25 - 127*	*08/27/14 14:44*	*08/28/14 17:33*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B79-2-6 (4.5)

Date Collected: 08/14/14 13:05
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-69
Matrix: Solid
Percent Solids: 92.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*67*		*35 - 124*	*08/27/14 14:44*	*08/28/14 17:33*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
alpha-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
beta-BHC	ND		1.8	0.47	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
4,4'-DDD	ND		1.8	0.24	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
delta-BHC	ND		1.8	0.28	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
gamma-BHC (Lindane)	ND		1.8	0.32	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
gamma-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1
Toxaphene	ND		73	12	ug/Kg	☼	08/27/14 16:16	08/29/14 06:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 130*	*08/27/14 16:16*	*08/29/14 06:36*	*1*
DCB Decachlorobiphenyl (Surr)	*66*		*45 - 130*	*08/27/14 16:16*	*08/29/14 06:36*	*1*
Tetrachloro-m-xylene	*74*		*45 - 130*	*08/27/14 16:16*	*08/29/14 06:36*	*1*
Tetrachloro-m-xylene	*71*		*45 - 130*	*08/27/14 16:16*	*08/29/14 06:36*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/27/14 16:16	08/30/14 13:07	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/27/14 16:16	08/30/14 13:07	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/27/14 16:16	08/30/14 13:07	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/27/14 16:16	08/30/14 13:07	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/27/14 16:16	08/30/14 13:07	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/27/14 16:16	08/30/14 13:07	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/27/14 16:16	08/30/14 13:07	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/27/14 16:16	08/30/14 13:07	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/27/14 16:16	08/30/14 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 125*	*08/27/14 16:16*	*08/30/14 13:07*	*1*
DCB Decachlorobiphenyl (Surr)	*64*		*45 - 125*	*08/27/14 16:16*	*08/30/14 13:38*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*45 - 135*	*08/27/14 16:16*	*08/30/14 13:07*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*45 - 135*	*08/27/14 16:16*	*08/30/14 13:38*	*1*

Client Sample Results

Client Sample ID: SSHS-B79-2-6 (4.5)

Lab Sample ID: 180-35818-69

Date Collected: 08/14/14 13:05
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 92.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6400**		20	2.1	mg/Kg	☼	08/21/14 13:06	08/28/14 16:31	1
Antimony	**0.73**	**J**	1.0	0.20	mg/Kg	☼	08/21/14 13:06	08/28/14 16:31	1
Arsenic	**8.3**		1.0	0.31	mg/Kg	☼	08/21/14 13:06	08/28/14 16:31	1
Barium	**36**		20	0.013	mg/Kg	☼	08/21/14 13:06	08/28/14 16:31	1
Beryllium	**0.32**	**J**	0.41	0.011	mg/Kg	☼	08/21/14 13:06	08/28/14 16:31	1
Cadmium	ND		0.51	0.015	mg/Kg	☼	08/21/14 13:06	08/29/14 09:15	1
Calcium	**1500**		510	1.5	mg/Kg	☼	08/21/14 13:06	08/28/14 16:31	1
Chromium	**9.6**		0.51	0.079	mg/Kg	☼	08/21/14 13:06	08/28/14 16:31	1
Cobalt	**5.2**		5.1	0.043	mg/Kg	☼	08/21/14 13:06	08/28/14 16:31	1
Copper	**18**		2.6	0.15	mg/Kg	☼	08/21/14 13:06	08/28/14 16:31	1
Iron	**23000**	**B**	10	0.91	mg/Kg	☼	08/21/14 13:06	08/28/14 16:31	1
Lead	**22**		1.0	0.10	mg/Kg	☼	08/21/14 13:06	08/28/14 16:31	1
Magnesium	**1700**		510	2.1	mg/Kg	☼	08/21/14 13:06	08/29/14 09:15	1
Manganese	**380**		1.5	0.091	mg/Kg	☼	08/21/14 13:06	08/28/14 16:31	1
Nickel	**11**		4.1	0.049	mg/Kg	☼	08/21/14 13:06	08/28/14 16:31	1
Potassium	**720**	**B**	510	6.5	mg/Kg	☼	08/21/14 13:06	08/28/14 16:31	1
Selenium	**0.42**	**J**	1.0	0.27	mg/Kg	☼	08/21/14 13:06	08/28/14 16:31	1
Silver	ND		0.51	0.041	mg/Kg	☼	08/21/14 13:06	08/28/14 16:31	1
Sodium	**71**	**J**	510	1.1	mg/Kg	☼	08/21/14 13:06	08/28/14 16:31	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/21/14 13:06	08/29/14 09:15	1
Vanadium	**15**		5.1	0.18	mg/Kg	☼	08/21/14 13:06	08/28/14 16:31	1
Zinc	**46**	**B**	2.0	0.11	mg/Kg	☼	08/21/14 13:06	08/29/14 09:15	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.029**	**J**	0.035	0.012	mg/Kg	☼	08/27/14 09:15	08/27/14 14:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.8**		0.10	0.10	%			08/18/14 16:00	1
Percent Solids	**92**		0.10	0.10	%			08/18/14 16:00	1
Cyanide, Total	ND		0.53	0.15	mg/Kg	☼	08/23/14 09:00	08/23/14 11:15	1

Client Sample ID: SSHS-B79-6-10 (8)

Lab Sample ID: 180-35818-70

Date Collected: 08/14/14 13:11
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Benzene	ND		5.0	0.67	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Bromoform	ND		5.0	0.44	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Bromomethane	ND		5.0	0.74	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Carbon disulfide	ND		5.0	0.51	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Carbon tetrachloride	ND		5.0	0.44	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Chlorobenzene	ND		5.0	0.75	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Chlorobromomethane	ND		5.0	0.68	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Chloroethane	ND		5.0	1.5	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1

Client Sample ID: SSHS-B79-6-10 (8)
Lab Sample ID: 180-35818-70

Date Collected: 08/14/14 13:11
Matrix: Solid

Date Received: 08/15/14 09:10
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		5.0	0.58	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Chloromethane	ND		5.0	0.85	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
cis-1,3-Dichloropropene	ND	*	5.0	0.67	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Cyclohexane	ND		5.0	0.37	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.74	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
1,2-Dibromoethane	ND	*	5.0	0.86	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
1,2-Dichlorobenzene	ND		5.0	0.79	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
1,3-Dichlorobenzene	ND		5.0	0.65	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
1,4-Dichlorobenzene	ND		5.0	0.63	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Dichlorodifluoromethane	ND		5.0	0.66	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
1,1-Dichloroethane	ND		5.0	0.57	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
1,1-Dichloroethene	ND		5.0	0.84	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
1,4-Dioxane	ND		1000	270	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Ethylbenzene	ND		5.0	0.64	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
2-Hexanone	ND		5.0	0.69	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Methyl acetate	ND		5.0	0.90	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Methylcyclohexane	ND		5.0	0.72	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Methylene Chloride	ND		5.0	0.67	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	0.65	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Methyl tert-butyl ether	ND		5.0	0.74	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
o-Xylene	ND		5.0	0.78	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Styrene	ND		5.0	0.70	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.71	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Toluene	ND		5.0	0.73	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
trans-1,3-Dichloropropene	ND		5.0	0.59	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
1,1,1-Trichloroethane	ND		5.0	0.48	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Trichloroethene	ND		5.0	0.65	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Trichlorofluoromethane	ND		5.0	0.91	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1
Vinyl chloride	ND		5.0	0.47	ug/Kg	☼	08/22/14 07:58	08/22/14 17:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 07:58*	*08/22/14 17:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*63 - 120*	*08/22/14 07:58*	*08/22/14 17:45*	*1*
Dibromofluoromethane (Surr)	*86*		*68 - 121*	*08/22/14 07:58*	*08/22/14 17:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*69*		*52 - 124*	*08/22/14 07:58*	*08/22/14 17:45*	*1*
Toluene-d8 (Surr)	*111*		*72 - 127*	*08/22/14 07:58*	*08/22/14 17:45*	*1*

Client Sample ID: SSHS-B79-6-10 (8) **Lab Sample ID: 180-35818-70**
Date Collected: 08/14/14 13:11 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.5**

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	7.0	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Acenaphthylene	ND		74	8.4	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Acetophenone	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Anthracene	ND		74	7.2	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Atrazine	ND		360	36	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Benzo[a]anthracene	ND		74	9.2	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Benzo[a]pyrene	ND		74	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Benzo[b]fluoranthene	ND		74	12	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Benzo[g,h,i]perylene	ND		74	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Benzo[k]fluoranthene	ND		74	15	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Bis(2-chloroethyl)ether	ND		74	9.8	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Bis(2-ethylhexyl) phthalate	ND		740	59	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Carbazole	ND		74	6.7	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
2-Chloronaphthalene	ND		74	7.6	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Chrysene	ND		74	8.7	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Dibenz(a,h)anthracene	ND		74	8.1	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
2,4-Dichlorophenol	ND		74	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Fluoranthene	ND		74	7.8	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Fluorene	ND		74	9.7	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Hexachlorobenzene	ND		74	7.8	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Hexachlorobutadiene	ND		74	8.2	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Indeno[1,2,3-cd]pyrene	ND		74	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Isophorone	ND		360	28	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
2-Methylnaphthalene	ND		74	6.6	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1

Client Sample ID: SSHS-B79-6-10 (8) **Lab Sample ID: 180-35818-70**
Date Collected: 08/14/14 13:11 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 90.5**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Naphthalene	ND		74	6.3	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Nitrobenzene	ND		740	30	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
N-Nitrosodi-n-propylamine	ND		74	8.6	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
2,2'-oxybis[1-chloropropane]	ND		74	7.9	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Phenanthrene	ND		74	12	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Phenol	ND		74	8.7	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
Pyrene	ND		74	7.4	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
2,3,4,6-Tetrachlorophenol	ND		360	24	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/27/14 14:44	08/28/14 18:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*710*	*T J*	*ug/Kg*	☼	*10.28*		*08/27/14 14:44*	*08/28/14 18:59*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*12.85*		*08/27/14 14:44*	*08/28/14 18:59*	*1*
Unknown	*330*	*T J*	*ug/Kg*	☼	*20.18*		*08/27/14 14:44*	*08/28/14 18:59*	*1*
Unknown	*550*	*T J*	*ug/Kg*	☼	*20.19*		*08/27/14 14:44*	*08/28/14 18:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 105*	*08/27/14 14:44*	*08/28/14 18:59*	*1*
2-Fluorophenol (Surr)	*64*		*39 - 103*	*08/27/14 14:44*	*08/28/14 18:59*	*1*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/27/14 14:44*	*08/28/14 18:59*	*1*
Phenol-d5 (Surr)	*70*		*25 - 105*	*08/27/14 14:44*	*08/28/14 18:59*	*1*
Terphenyl-d14 (Surr)	*74*		*25 - 127*	*08/27/14 14:44*	*08/28/14 18:59*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*35 - 124*	*08/27/14 14:44*	*08/28/14 18:59*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1

Client Sample ID: SSHS-B79-6-10 (8)
Lab Sample ID: 180-35818-70
Date Collected: 08/14/14 13:11
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1
Toxaphene	ND		74	12	ug/Kg	☼	08/27/14 16:16	08/29/14 07:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*	*08/27/14 16:16*	*08/29/14 07:23*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/27/14 16:16*	*08/29/14 07:23*	*1*
Tetrachloro-m-xylene	*100*		*45 - 130*	*08/27/14 16:16*	*08/29/14 07:23*	*1*
Tetrachloro-m-xylene	*95*		*45 - 130*	*08/27/14 16:16*	*08/29/14 07:23*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/27/14 16:16	08/30/14 14:42	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/27/14 16:16	08/30/14 14:42	1
PCB-1232	ND		18	3.2	ug/Kg	☼	08/27/14 16:16	08/30/14 14:42	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/27/14 16:16	08/30/14 14:42	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/27/14 16:16	08/30/14 14:42	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/27/14 16:16	08/30/14 14:42	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/27/14 16:16	08/30/14 14:42	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/27/14 16:16	08/30/14 14:42	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/27/14 16:16	08/30/14 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 125*	*08/27/14 16:16*	*08/30/14 14:42*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/27/14 16:16*	*08/30/14 15:14*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*45 - 135*	*08/27/14 16:16*	*08/30/14 14:42*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*45 - 135*	*08/27/14 16:16*	*08/30/14 15:14*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5200**		23	2.4	mg/Kg	☼	08/21/14 13:06	08/28/14 16:57	1
Antimony	**0.28**	**J**	1.1	0.22	mg/Kg	☼	08/21/14 13:06	08/28/14 16:57	1
Arsenic	**6.4**		1.1	0.34	mg/Kg	☼	08/21/14 13:06	08/28/14 16:57	1
Barium	**33**		23	0.014	mg/Kg	☼	08/21/14 13:06	08/28/14 16:57	1
Beryllium	**0.23**	**J**	0.45	0.013	mg/Kg	☼	08/21/14 13:06	08/28/14 16:57	1
Cadmium	ND		0.56	0.016	mg/Kg	☼	08/21/14 13:06	08/29/14 09:36	1
Calcium	**740**		560	1.7	mg/Kg	☼	08/21/14 13:06	08/28/14 16:57	1
Chromium	**7.4**		0.56	0.087	mg/Kg	☼	08/21/14 13:06	08/28/14 16:57	1
Cobalt	**4.7**	**J**	5.6	0.047	mg/Kg	☼	08/21/14 13:06	08/28/14 16:57	1
Copper	**16**		2.8	0.16	mg/Kg	☼	08/21/14 13:06	08/28/14 16:57	1
Iron	**13000**	**B**	11	1.0	mg/Kg	☼	08/21/14 13:06	08/28/14 16:57	1
Lead	**5.9**		1.1	0.12	mg/Kg	☼	08/21/14 13:06	08/28/14 16:57	1
Magnesium	**1900**		560	2.3	mg/Kg	☼	08/21/14 13:06	08/29/14 09:36	1
Manganese	**320**		1.7	0.10	mg/Kg	☼	08/21/14 13:06	08/28/14 16:57	1
Nickel	**11**		4.5	0.054	mg/Kg	☼	08/21/14 13:06	08/28/14 16:57	1
Potassium	**570**	**B**	560	7.2	mg/Kg	☼	08/21/14 13:06	08/28/14 16:57	1

Client Sample Results

Client Sample ID: SSHS-B79-6-10 (8)

Lab Sample ID: 180-35818-70

Date Collected: 08/14/14 13:11
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	**0.47**	**J**	1.1	0.30	mg/Kg	☼	08/21/14 13:06	08/28/14 16:57	1
Silver	ND		0.56	0.046	mg/Kg	☼	08/21/14 13:06	08/28/14 16:57	1
Sodium	**47**	**J**	560	1.2	mg/Kg	☼	08/21/14 13:06	08/28/14 16:57	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/21/14 13:06	08/29/14 09:36	1
Vanadium	**9.6**		5.6	0.20	mg/Kg	☼	08/21/14 13:06	08/28/14 16:57	1
Zinc	**57**	**B**	2.3	0.12	mg/Kg	☼	08/21/14 13:06	08/29/14 09:36	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.012	mg/Kg	☼	08/27/14 09:15	08/27/14 14:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.5**		0.10	0.10	%			08/18/14 16:00	1
Percent Solids	**91**		0.10	0.10	%			08/18/14 16:00	1
Cyanide, Total	ND		0.55	0.16	mg/Kg	☼	08/25/14 10:00	08/25/14 14:18	1

Client Sample ID: SSHS-B79-10-15 (12.5)

Lab Sample ID: 180-35818-71

Date Collected: 08/14/14 13:18
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		23	5.8	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Benzene	ND		5.8	0.78	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Bromoform	ND		5.8	0.51	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Bromomethane	ND		5.8	0.85	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
2-Butanone (MEK)	ND		5.8	1.0	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Carbon disulfide	ND		5.8	0.59	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Carbon tetrachloride	ND		5.8	0.52	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Chlorobenzene	ND		5.8	0.88	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Chlorobromomethane	ND		5.8	0.80	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Chlorodibromomethane	ND		5.8	0.82	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Chloroethane	ND		5.8	1.8	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Chloroform	ND		5.8	0.68	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Chloromethane	ND		5.8	0.99	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
cis-1,2-Dichloroethene	ND		5.8	0.81	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
cis-1,3-Dichloropropene	ND	*	5.8	0.78	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Cyclohexane	ND		5.8	0.43	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
1,2-Dibromo-3-Chloropropane	ND		5.8	0.87	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
1,2-Dibromoethane	ND	*	5.8	1.0	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
1,2-Dichlorobenzene	ND		5.8	0.92	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
1,3-Dichlorobenzene	ND		5.8	0.76	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
1,4-Dichlorobenzene	ND		5.8	0.74	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Dichlorobromomethane	ND		5.8	0.65	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Dichlorodifluoromethane	ND		5.8	0.77	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
1,1-Dichloroethane	ND		5.8	0.67	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
1,2-Dichloroethane	ND		5.8	0.71	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
1,1-Dichloroethene	ND		5.8	0.98	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
1,2-Dichloropropane	ND		5.8	0.63	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1

Client Sample ID: SSHS-B79-10-15 (12.5) **Lab Sample ID: 180-35818-71**

Date Collected: 08/14/14 13:18 **Matrix: Solid**

Date Received: 08/15/14 09:10 **Percent Solids: 93.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1200	320	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Ethylbenzene	ND		5.8	0.74	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
2-Hexanone	ND		5.8	0.80	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Isopropylbenzene	ND		5.8	0.79	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Methyl acetate	ND		5.8	1.0	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Methylcyclohexane	ND		5.8	0.84	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Methylene Chloride	ND		5.8	0.78	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.8	0.76	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Methyl tert-butyl ether	ND		5.8	0.87	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
m-Xylene & p-Xylene	ND		12	1.7	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
o-Xylene	ND		5.8	0.90	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Styrene	ND		5.8	0.82	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
1,1,2,2-Tetrachloroethane	ND		5.8	0.83	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Tetrachloroethene	ND		5.8	0.79	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Toluene	ND		5.8	0.84	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
trans-1,2-Dichloroethene	ND		5.8	0.69	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
trans-1,3-Dichloropropene	ND		5.8	0.69	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
1,2,3-Trichlorobenzene	ND		5.8	0.98	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
1,2,4-Trichlorobenzene	ND		5.8	1.0	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
1,1,1-Trichloroethane	ND		5.8	0.56	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
1,1,2-Trichloroethane	ND		5.8	0.96	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Trichloroethene	ND		5.8	0.76	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Trichlorofluoromethane	ND		5.8	1.1	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	1.2	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1
Vinyl chloride	ND		5.8	0.54	ug/Kg	☼	08/22/14 07:58	08/22/14 18:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 07:58*	*08/22/14 18:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*63 - 120*	*08/22/14 07:58*	*08/22/14 18:15*	*1*
Dibromofluoromethane (Surr)	*83*		*68 - 121*	*08/22/14 07:58*	*08/22/14 18:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*67*		*52 - 124*	*08/22/14 07:58*	*08/22/14 18:15*	*1*
Toluene-d8 (Surr)	*119*		*72 - 127*	*08/22/14 07:58*	*08/22/14 18:15*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	6.8	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Acenaphthylene	ND		72	8.2	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Acetophenone	ND		350	29	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Anthracene	ND		72	7.0	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Atrazine	ND		350	35	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Benzo[a]anthracene	ND		72	8.9	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Benzo[a]pyrene	ND		72	7.1	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Benzo[b]fluoranthene	ND		72	11	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Benzo[g,h,i]perylene	ND		72	7.1	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Benzo[k]fluoranthene	ND		72	14	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1

Client Sample ID: SSHS-B79-10-15 (12.5) **Lab Sample ID: 180-35818-71**
Date Collected: 08/14/14 13:18 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 93.6**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		72	9.6	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Butyl benzyl phthalate	ND		350	49	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Carbazole	ND		72	6.6	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
4-Chloroaniline	ND		350	29	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
2-Chloronaphthalene	ND		72	7.4	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
4-Chlorophenyl phenyl ether	ND		350	40	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Chrysene	ND		72	8.5	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Dibenz(a,h)anthracene	ND		72	7.9	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
3,3'-Dichlorobenzidine	ND		350	38	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
2,4-Dimethylphenol	ND		350	56	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Di-n-butyl phthalate	ND		350	45	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Di-n-octyl phthalate	ND		350	38	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Fluoranthene	ND		72	7.6	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Fluorene	ND		72	9.4	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Hexachlorobenzene	ND		72	7.6	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Hexachloroethane	ND		350	26	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Indeno[1,2,3-cd]pyrene	ND		72	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Isophorone	ND		350	27	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
2-Methylnaphthalene	ND		72	6.4	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Naphthalene	ND		72	6.1	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Nitrobenzene	ND		720	30	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
2,2'-oxybis[1-chloropropane]	ND		72	7.7	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Phenanthrene	ND		72	11	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1

Client Sample Results

Client Sample ID: SSHS-B79-10-15 (12.5)

Lab Sample ID: 180-35818-71

Date Collected: 08/14/14 13:18
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		72	8.4	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
Pyrene	ND		72	7.2	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/27/14 14:44	08/28/14 19:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*180*	*T J*	*ug/Kg*	☼	*12.85*		*08/27/14 14:44*	*08/28/14 19:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*35 - 105*	*08/27/14 14:44*	*08/28/14 19:28*	*1*
2-Fluorophenol (Surr)	*66*		*39 - 103*	*08/27/14 14:44*	*08/28/14 19:28*	*1*
Nitrobenzene-d5 (Surr)	*73*		*25 - 104*	*08/27/14 14:44*	*08/28/14 19:28*	*1*
Phenol-d5 (Surr)	*69*		*25 - 105*	*08/27/14 14:44*	*08/28/14 19:28*	*1*
Terphenyl-d14 (Surr)	*69*		*25 - 127*	*08/27/14 14:44*	*08/28/14 19:28*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*35 - 124*	*08/27/14 14:44*	*08/28/14 19:28*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
Methoxychlor	**0.52**	**J**	3.5	0.37	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1
Toxaphene	ND		72	12	ug/Kg	☼	08/27/14 16:16	08/29/14 07:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*	*08/27/14 16:16*	*08/29/14 07:39*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*08/27/14 16:16*	*08/29/14 07:39*	*1*
Tetrachloro-m-xylene	*98*		*45 - 130*	*08/27/14 16:16*	*08/29/14 07:39*	*1*
Tetrachloro-m-xylene	*92*		*45 - 130*	*08/27/14 16:16*	*08/29/14 07:39*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/27/14 16:16	08/30/14 15:14	1

Client Sample ID: SSHS-B79-10-15 (12.5)
Lab Sample ID: 180-35818-71
Date Collected: 08/14/14 13:18
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		18	3.4	ug/Kg	☼	08/27/14 16:16	08/30/14 15:14	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/27/14 16:16	08/30/14 15:14	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/27/14 16:16	08/30/14 15:14	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/27/14 16:16	08/30/14 15:14	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/27/14 16:16	08/30/14 15:14	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/27/14 16:16	08/30/14 15:14	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/27/14 16:16	08/30/14 15:14	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/27/14 16:16	08/30/14 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*	*08/27/14 16:16*	*08/30/14 15:14*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/27/14 16:16*	*08/30/14 15:45*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*	*08/27/14 16:16*	*08/30/14 15:14*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*45 - 135*	*08/27/14 16:16*	*08/30/14 15:45*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4800**		21	2.2	mg/Kg	☼	08/21/14 13:06	08/28/14 17:02	1
Antimony	**0.29**	**J**	1.1	0.21	mg/Kg	☼	08/21/14 13:06	08/28/14 17:02	1
Arsenic	**4.5**		1.1	0.33	mg/Kg	☼	08/21/14 13:06	08/28/14 17:02	1
Barium	**24**		21	0.014	mg/Kg	☼	08/21/14 13:06	08/28/14 17:02	1
Beryllium	**0.20**	**J**	0.43	0.012	mg/Kg	☼	08/21/14 13:06	08/28/14 17:02	1
Cadmium	**0.022**	**J B**	0.53	0.015	mg/Kg	☼	08/21/14 13:06	08/29/14 09:41	1
Calcium	**16000**		530	1.6	mg/Kg	☼	08/21/14 13:06	08/28/14 17:02	1
Chromium	**5.7**		0.53	0.082	mg/Kg	☼	08/21/14 13:06	08/28/14 17:02	1
Cobalt	**4.2**	**J**	5.3	0.045	mg/Kg	☼	08/21/14 13:06	08/28/14 17:02	1
Copper	**13**		2.7	0.15	mg/Kg	☼	08/21/14 13:06	08/28/14 17:02	1
Iron	**11000**	**B**	11	0.95	mg/Kg	☼	08/21/14 13:06	08/28/14 17:02	1
Lead	**4.8**		1.1	0.11	mg/Kg	☼	08/21/14 13:06	08/28/14 17:02	1
Magnesium	**2800**		530	2.2	mg/Kg	☼	08/21/14 13:06	08/29/14 09:41	1
Manganese	**310**		1.6	0.095	mg/Kg	☼	08/21/14 13:06	08/28/14 17:02	1
Nickel	**10**		4.3	0.051	mg/Kg	☼	08/21/14 13:06	08/28/14 17:02	1
Potassium	**550**	**B**	530	6.8	mg/Kg	☼	08/21/14 13:06	08/28/14 17:02	1
Selenium	**0.60**	**J**	1.1	0.29	mg/Kg	☼	08/21/14 13:06	08/28/14 17:02	1
Silver	ND		0.53	0.043	mg/Kg	☼	08/21/14 13:06	08/28/14 17:02	1
Sodium	**62**	**J**	530	1.1	mg/Kg	☼	08/21/14 13:06	08/28/14 17:02	1
Thallium	ND		2.1	0.16	mg/Kg	☼	08/21/14 13:06	08/29/14 09:41	1
Vanadium	**7.8**		5.3	0.19	mg/Kg	☼	08/21/14 13:06	08/28/14 17:02	1
Zinc	**49**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:06	08/29/14 09:41	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.011	mg/Kg	☼	08/27/14 09:15	08/27/14 14:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.4**		0.10	0.10	%			08/18/14 16:00	1
Percent Solids	**94**		0.10	0.10	%			08/18/14 16:00	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/25/14 10:00	08/25/14 14:18	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35818-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B78-0.17-2 (1.5)
Lab Sample ID: 180-35818-72
Date Collected: 08/14/14 11:50
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	5.3	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Benzene	ND		5.3	0.72	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Bromoform	ND		5.3	0.47	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Bromomethane	ND		5.3	0.79	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
2-Butanone (MEK)	ND		5.3	0.94	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Carbon disulfide	ND		5.3	0.55	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Carbon tetrachloride	ND		5.3	0.48	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Chlorobenzene	ND		5.3	0.81	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Chlorobromomethane	ND		5.3	0.73	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Chlorodibromomethane	ND		5.3	0.76	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Chloroethane	ND		5.3	1.7	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Chloroform	ND		5.3	0.62	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Chloromethane	ND		5.3	0.91	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
cis-1,2-Dichloroethene	ND		5.3	0.75	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
cis-1,3-Dichloropropene	ND	*	5.3	0.72	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Cyclohexane	ND		5.3	0.40	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
1,2-Dibromo-3-Chloropropane	ND		5.3	0.80	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
1,2-Dibromoethane	ND	*	5.3	0.92	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
1,2-Dichlorobenzene	ND		5.3	0.85	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
1,3-Dichlorobenzene	ND		5.3	0.70	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
1,4-Dichlorobenzene	ND		5.3	0.68	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Dichlorobromomethane	ND		5.3	0.60	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Dichlorodifluoromethane	ND		5.3	0.71	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
1,1-Dichloroethane	ND		5.3	0.61	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
1,2-Dichloroethane	ND		5.3	0.65	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
1,1-Dichloroethene	ND		5.3	0.91	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
1,2-Dichloropropane	ND		5.3	0.58	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
1,4-Dioxane	ND		1100	290	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Ethylbenzene	ND		5.3	0.69	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
2-Hexanone	ND		5.3	0.74	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Isopropylbenzene	ND		5.3	0.72	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Methyl acetate	ND		5.3	0.96	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Methylcyclohexane	ND		5.3	0.77	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Methylene Chloride	ND		5.3	0.72	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.3	0.70	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Methyl tert-butyl ether	ND		5.3	0.80	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
o-Xylene	ND		5.3	0.83	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Styrene	ND		5.3	0.75	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.77	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Tetrachloroethene	ND		5.3	0.73	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Toluene	ND		5.3	0.78	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
trans-1,2-Dichloroethene	ND		5.3	0.64	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
trans-1,3-Dichloropropene	ND		5.3	0.64	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
1,2,3-Trichlorobenzene	ND		5.3	0.90	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
1,2,4-Trichlorobenzene	ND		5.3	0.94	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
1,1,1-Trichloroethane	ND		5.3	0.52	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
1,1,2-Trichloroethane	ND		5.3	0.89	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Trichloroethene	ND		5.3	0.70	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1

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

Client Sample ID: SSHS-B78-0.17-2 (1.5)
Date Collected: 08/14/14 11:50
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-72
Matrix: Solid
Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		5.3	0.98	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.1	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1
Vinyl chloride	ND		5.3	0.50	ug/Kg	☼	08/22/14 07:58	08/22/14 18:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 07:58*	*08/22/14 18:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*63 - 120*	*08/22/14 07:58*	*08/22/14 18:45*	*1*
Dibromofluoromethane (Surr)	*86*		*68 - 121*	*08/22/14 07:58*	*08/22/14 18:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*75*		*52 - 124*	*08/22/14 07:58*	*08/22/14 18:45*	*1*
Toluene-d8 (Surr)	*121*		*72 - 127*	*08/22/14 07:58*	*08/22/14 18:45*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**43**	**J**	76	7.2	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Acenaphthylene	**370**		76	8.6	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Acetophenone	ND		370	31	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Anthracene	**390**		76	7.4	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Atrazine	ND		370	37	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Benzo[a]anthracene	**1200**		76	9.4	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Benzo[a]pyrene	**1100**		76	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Benzo[b]fluoranthene	**1300**		76	12	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Benzo[g,h,i]perylene	**1200**		76	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Benzo[k]fluoranthene	**540**		76	15	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
1,1'-Biphenyl	**43**	**J**	370	34	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Bis(2-chloroethyl)ether	ND		76	10	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Bis(2-ethylhexyl) phthalate	ND		760	61	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
4-Bromophenyl phenyl ether	ND		370	33	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Carbazole	**86**		76	6.9	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
4-Chloro-3-methylphenol	ND		370	35	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
2-Chloronaphthalene	ND		76	7.8	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
4-Chlorophenyl phenyl ether	ND		370	42	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Chrysene	**1200**		76	9.0	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Dibenz(a,h)anthracene	**230**		76	8.4	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Dibenzofuran	**120**	**J**	370	37	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
3,3'-Dichlorobenzidine	ND		370	40	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
2,4-Dichlorophenol	ND		76	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
2,4-Dimethylphenol	ND		370	59	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1

Client Sample ID: SSHS-B78-0.17-2 (1.5)

Lab Sample ID: 180-35818-72

Date Collected: 08/14/14 11:50
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Di-n-octyl phthalate	ND		370	40	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
1,4-Dioxane	ND		760	43	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Fluoranthene	**1900**		76	8.0	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Fluorene	**72**	**J**	76	9.9	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Hexachlorobenzene	ND		76	8.0	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Hexachlorobutadiene	ND		76	8.4	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Hexachlorocyclopentadiene	ND		370	41	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Indeno[1,2,3-cd]pyrene	**970**		76	7.7	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Isophorone	ND		370	28	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
2-Methylnaphthalene	**150**		76	6.8	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Naphthalene	**450**		76	6.5	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Nitrobenzene	ND		760	31	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
N-Nitrosodi-n-propylamine	ND		76	8.8	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
2,2'-oxybis[1-chloropropane]	ND		76	8.1	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Pentachlorophenol	ND		370	34	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Phenanthrene	**990**		76	12	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Phenol	ND		76	8.9	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
Pyrene	**1700**		76	7.6	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/27/14 14:44	08/28/14 19:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*290*	*T J*	*ug/Kg*	☼	*10.93*		*08/27/14 14:44*	*08/28/14 19:57*	*1*
Unknown	*470*	*T J*	*ug/Kg*	☼	*11.05*		*08/27/14 14:44*	*08/28/14 19:57*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*12.45*		*08/27/14 14:44*	*08/28/14 19:57*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*13.25*		*08/27/14 14:44*	*08/28/14 19:57*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*13.44*		*08/27/14 14:44*	*08/28/14 19:57*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*13.54*		*08/27/14 14:44*	*08/28/14 19:57*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*13.60*		*08/27/14 14:44*	*08/28/14 19:57*	*1*
Unknown	*470*	*T J*	*ug/Kg*	☼	*16.22*		*08/27/14 14:44*	*08/28/14 19:57*	*1*
Unknown PAH	*1100*	*T J*	*ug/Kg*	☼	*16.57*		*08/27/14 14:44*	*08/28/14 19:57*	*1*
Unknown	*360*	*T J*	*ug/Kg*	☼	*17.98*		*08/27/14 14:44*	*08/28/14 19:57*	*1*
Unknown	*550*	*T J*	*ug/Kg*	☼	*18.77*		*08/27/14 14:44*	*08/28/14 19:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*08/27/14 14:44*	*08/28/14 19:57*	*1*
2-Fluorophenol (Surr)	*66*		*39 - 103*	*08/27/14 14:44*	*08/28/14 19:57*	*1*

Client Sample Results

Client Sample ID: SSHS-B78-0.17-2 (1.5)
Lab Sample ID: 180-35818-72
Date Collected: 08/14/14 11:50
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*69*		*25 - 104*	*08/27/14 14:44*	*08/28/14 19:57*	*1*
Phenol-d5 (Surr)	*68*		*25 - 105*	*08/27/14 14:44*	*08/28/14 19:57*	*1*
Terphenyl-d14 (Surr)	*65*		*25 - 127*	*08/27/14 14:44*	*08/28/14 19:57*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*35 - 124*	*08/27/14 14:44*	*08/28/14 19:57*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.34	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
alpha-BHC	ND		1.9	0.31	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
alpha-Chlordane	**0.52**	**J p**	1.9	0.38	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
beta-BHC	ND		1.9	0.49	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
4,4'-DDD	**2.8**	**p**	1.9	0.25	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
4,4'-DDE	**0.50**	**J p**	1.9	0.29	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
4,4'-DDT	**2.4**	**p**	1.9	0.28	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
Dieldrin	**0.77**	**J p**	1.9	0.32	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
Endosulfan I	**0.75**	**J**	1.9	0.36	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
Endosulfan sulfate	**4.0**	**p**	1.9	0.20	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
Endrin	**11**		1.9	0.37	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
Endrin aldehyde	**0.53**	**J p**	1.9	0.37	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
Endrin ketone	**2.0**	**p**	1.9	0.29	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
gamma-Chlordane	**10**	**p**	1.9	0.37	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
Heptachlor	**0.88**	**J p**	1.9	0.42	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
Heptachlor epoxide	**6.6**	**p**	1.9	0.37	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
Methoxychlor	**15**		3.7	0.39	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1
Toxaphene	ND		76	13	ug/Kg	☼	08/27/14 16:16	08/29/14 07:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/27/14 16:16*	*08/29/14 07:54*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 130*	*08/27/14 16:16*	*08/29/14 07:54*	*1*
Tetrachloro-m-xylene	*83*		*45 - 130*	*08/27/14 16:16*	*08/29/14 07:54*	*1*
Tetrachloro-m-xylene	*79*		*45 - 130*	*08/27/14 16:16*	*08/29/14 07:54*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/27/14 16:16	08/30/14 15:45	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/27/14 16:16	08/30/14 15:45	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/27/14 16:16	08/30/14 15:45	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/27/14 16:16	08/30/14 15:45	1
PCB-1248	**630**		19	1.8	ug/Kg	☼	08/27/14 16:16	08/30/14 15:45	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/27/14 16:16	08/30/14 15:45	1
PCB-1260	**130**		19	2.7	ug/Kg	☼	08/27/14 16:16	08/30/14 16:17	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/27/14 16:16	08/30/14 15:45	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/27/14 16:16	08/30/14 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 125*	*08/27/14 16:16*	*08/30/14 15:45*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 125*	*08/27/14 16:16*	*08/30/14 16:17*	*1*

Client Sample Results

Client Sample ID: SSHS-B78-0.17-2 (1.5)

Lab Sample ID: 180-35818-72
Date Collected: 08/14/14 11:50
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*	*08/27/14 16:16*	*08/30/14 15:45*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*	*08/27/14 16:16*	*08/30/14 16:17*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8200**		21	2.2	mg/Kg	☼	08/21/14 13:06	08/29/14 08:11	1
Antimony	**0.23**	**J**	1.1	0.21	mg/Kg	☼	08/21/14 13:06	08/28/14 17:19	1
Arsenic	**7.6**		1.1	0.32	mg/Kg	☼	08/21/14 13:06	08/28/14 17:19	1
Barium	**78**		21	0.013	mg/Kg	☼	08/21/14 13:06	08/28/14 17:19	1
Beryllium	**0.37**	**J**	0.42	0.012	mg/Kg	☼	08/21/14 13:06	08/28/14 17:19	1
Cadmium	**0.18**	**J B**	0.53	0.015	mg/Kg	☼	08/21/14 13:06	08/29/14 08:11	1
Calcium	**14000**		530	1.6	mg/Kg	☼	08/21/14 13:06	08/29/14 08:11	1
Chromium	**9.8**		0.53	0.081	mg/Kg	☼	08/21/14 13:06	08/28/14 17:19	1
Cobalt	**5.9**		5.3	0.044	mg/Kg	☼	08/21/14 13:06	08/28/14 17:19	1
Copper	**37**		2.6	0.15	mg/Kg	☼	08/21/14 13:06	08/29/14 08:11	1
Iron	**18000**	**B**	11	0.93	mg/Kg	☼	08/21/14 13:06	08/28/14 17:19	1
Lead	**33**		1.1	0.11	mg/Kg	☼	08/21/14 13:06	08/28/14 17:19	1
Magnesium	**3200**		530	2.2	mg/Kg	☼	08/21/14 13:06	08/29/14 08:11	1
Manganese	**410**		1.6	0.093	mg/Kg	☼	08/21/14 13:06	08/29/14 08:11	1
Nickel	**16**		4.2	0.050	mg/Kg	☼	08/21/14 13:06	08/28/14 17:19	1
Potassium	**700**	**B**	530	6.7	mg/Kg	☼	08/21/14 13:06	08/29/14 08:11	1
Selenium	**0.57**	**J**	1.1	0.28	mg/Kg	☼	08/21/14 13:06	08/28/14 17:19	1
Silver	ND		0.53	0.042	mg/Kg	☼	08/21/14 13:06	08/28/14 17:19	1
Sodium	**190**	**J**	530	1.1	mg/Kg	☼	08/21/14 13:06	08/29/14 08:11	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/21/14 13:06	08/29/14 08:11	1
Vanadium	**14**		5.3	0.18	mg/Kg	☼	08/21/14 13:06	08/28/14 17:19	1
Zinc	**72**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:06	08/29/14 08:11	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.20**		0.037	0.012	mg/Kg	☼	08/27/14 09:15	08/27/14 14:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10	0.10	%			08/18/14 16:00	1
Percent Solids	**88**		0.10	0.10	%			08/18/14 16:00	1
Cyanide, Total	**0.35**	**J**	0.56	0.16	mg/Kg	☼	08/27/14 07:00	08/27/14 10:00	1

Client Sample ID: SSHS-B78-2-6 (3.5)

Lab Sample ID: 180-35818-73
Date Collected: 08/14/14 11:57
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	5.6	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Benzene	ND		5.6	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Bromoform	ND		5.6	0.50	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Bromomethane	ND		5.6	0.83	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
2-Butanone (MEK)	ND		5.6	0.99	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Carbon disulfide	ND		5.6	0.58	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B78-2-6 (3.5)
Date Collected: 08/14/14 11:57
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-73
Matrix: Solid
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND	*	5.6	0.50	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Chlorobenzene	ND		5.6	0.85	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Chlorobromomethane	ND		5.6	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Chlorodibromomethane	ND		5.6	0.80	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Chloroethane	ND		5.6	1.7	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Chloroform	ND		5.6	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Chloromethane	ND		5.6	0.96	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
cis-1,2-Dichloroethene	ND		5.6	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
cis-1,3-Dichloropropene	ND		5.6	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Cyclohexane	ND		5.6	0.42	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
1,2-Dibromo-3-Chloropropane	ND		5.6	0.84	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
1,2-Dibromoethane	ND		5.6	0.97	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
1,2-Dichlorobenzene	ND		5.6	0.90	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
1,3-Dichlorobenzene	ND		5.6	0.74	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
1,4-Dichlorobenzene	ND		5.6	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Dichlorobromomethane	ND		5.6	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Dichlorodifluoromethane	ND		5.6	0.75	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
1,1-Dichloroethane	ND		5.6	0.65	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
1,2-Dichloroethane	ND		5.6	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
1,1-Dichloroethene	ND		5.6	0.95	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
1,2-Dichloropropane	ND		5.6	0.61	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
1,4-Dioxane	ND		1100	310	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Ethylbenzene	ND		5.6	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
2-Hexanone	ND		5.6	0.78	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Isopropylbenzene	ND		5.6	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Methyl acetate	ND		5.6	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Methylcyclohexane	ND		5.6	0.82	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Methylene Chloride	ND		5.6	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.6	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Methyl tert-butyl ether	ND		5.6	0.84	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
m-Xylene & p-Xylene	ND		11	1.7	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
o-Xylene	ND		5.6	0.88	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Styrene	ND		5.6	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
1,1,2,2-Tetrachloroethane	ND		5.6	0.81	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Tetrachloroethene	ND		5.6	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Toluene	ND		5.6	0.82	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
trans-1,2-Dichloroethene	ND	*	5.6	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
trans-1,3-Dichloropropene	ND		5.6	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
1,2,3-Trichlorobenzene	ND		5.6	0.95	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
1,2,4-Trichlorobenzene	ND		5.6	0.99	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
1,1,1-Trichloroethane	ND	*	5.6	0.55	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
1,1,2-Trichloroethane	ND		5.6	0.93	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Trichloroethene	ND		5.6	0.74	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Trichlorofluoromethane	ND		5.6	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.6	1.2	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1
Vinyl chloride	ND		5.6	0.53	ug/Kg	☼	08/25/14 04:25	08/25/14 08:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/25/14 04:25*	*08/25/14 08:23*	*1*

Client Sample ID: SSHS-B78-2-6 (3.5)
Lab Sample ID: 180-35818-73

Date Collected: 08/14/14 11:57
Matrix: Solid

Date Received: 08/15/14 09:10
Percent Solids: 90.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*63 - 120*	*08/25/14 04:25*	*08/25/14 08:23*	*1*
Dibromofluoromethane (Surr)	*109*		*68 - 121*	*08/25/14 04:25*	*08/25/14 08:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*52 - 124*	*08/25/14 04:25*	*08/25/14 08:23*	*1*
Toluene-d8 (Surr)	*116*		*72 - 127*	*08/25/14 04:25*	*08/25/14 08:23*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**13**	**J**	74	7.0	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Acenaphthylene	**170**		74	8.4	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Acetophenone	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Anthracene	**260**		74	7.2	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Atrazine	ND		360	36	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Benzo[a]anthracene	**700**		74	9.2	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Benzo[a]pyrene	**750**		74	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Benzo[b]fluoranthene	**820**		74	12	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Benzo[g,h,i]perylene	**790**		74	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Benzo[k]fluoranthene	**340**		74	15	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Bis(2-chloroethyl)ether	ND		74	9.8	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Bis(2-ethylhexyl) phthalate	ND		740	59	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Carbazole	**61**	**J**	74	6.8	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Chrysene	**680**		74	8.7	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Dibenz(a,h)anthracene	**170**		74	8.2	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Dibenzofuran	**57**	**J**	360	36	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Fluoranthene	**1200**		74	7.8	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Fluorene	**35**	**J**	74	9.7	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Hexachlorobenzene	ND		74	7.8	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Hexachlorobutadiene	ND		74	8.2	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1

Client Sample ID: SSHS-B78-2-6 (3.5)
Lab Sample ID: 180-35818-73
Date Collected: 08/14/14 11:57
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Indeno[1,2,3-cd]pyrene	**630**		74	7.6	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Isophorone	ND		360	28	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
2-Methylnaphthalene	**58**	**J**	74	6.6	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Naphthalene	**230**		74	6.3	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
N-Nitrosodi-n-propylamine	ND		74	8.6	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
2,2'-oxybis[1-chloropropane]	ND		74	7.9	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Phenanthrene	**520**		74	12	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Phenol	ND		74	8.7	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
Pyrene	**1000**		74	7.4	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
2,3,4,6-Tetrachlorophenol	ND		360	24	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/27/14 14:44	08/28/14 20:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*230*	*T J*	*ug/Kg*	☼	*11.05*		*08/27/14 14:44*	*08/28/14 20:26*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*11.83*		*08/27/14 14:44*	*08/28/14 20:26*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*12.45*		*08/27/14 14:44*	*08/28/14 20:26*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*12.85*		*08/27/14 14:44*	*08/28/14 20:26*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*13.60*		*08/27/14 14:44*	*08/28/14 20:26*	*1*
Unknown	*310*	*T J*	*ug/Kg*	☼	*16.21*		*08/27/14 14:44*	*08/28/14 20:26*	*1*
Unknown	*630*	*T J*	*ug/Kg*	☼	*16.57*		*08/27/14 14:44*	*08/28/14 20:26*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*16.85*		*08/27/14 14:44*	*08/28/14 20:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 105*	*08/27/14 14:44*	*08/28/14 20:26*	*1*
2-Fluorophenol (Surr)	*68*		*39 - 103*	*08/27/14 14:44*	*08/28/14 20:26*	*1*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/27/14 14:44*	*08/28/14 20:26*	*1*
Phenol-d5 (Surr)	*70*		*25 - 105*	*08/27/14 14:44*	*08/28/14 20:26*	*1*
Terphenyl-d14 (Surr)	*67*		*25 - 127*	*08/27/14 14:44*	*08/28/14 20:26*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*35 - 124*	*08/27/14 14:44*	*08/28/14 20:26*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1

Client Sample ID: SSHS-B78-2-6 (3.5) **Lab Sample ID: 180-35818-73**

Date Collected: 08/14/14 11:57 **Matrix: Solid**

Date Received: 08/15/14 09:10 **Percent Solids: 90.3**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**1.2**	**J**	1.9	0.24	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
4,4'-DDT	ND		1.9	0.27	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
Endosulfan I	ND		1.9	0.34	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
Endosulfan sulfate	**0.52**	**J**	1.9	0.19	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
Endrin	**0.55**	**J p**	1.9	0.36	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1
Toxaphene	ND		74	12	ug/Kg	☼	08/27/14 16:59	08/29/14 08:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*08/27/14 16:59*	*08/29/14 08:10*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*	*08/27/14 16:59*	*08/29/14 08:10*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/27/14 16:59*	*08/29/14 08:10*	*1*
Tetrachloro-m-xylene	*76*		*45 - 130*	*08/27/14 16:59*	*08/29/14 08:10*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/27/14 16:59	08/30/14 16:17	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/27/14 16:59	08/30/14 16:17	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/27/14 16:59	08/30/14 16:17	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/27/14 16:59	08/30/14 16:17	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/27/14 16:59	08/30/14 16:17	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/27/14 16:59	08/30/14 16:17	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/27/14 16:59	08/30/14 16:17	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/27/14 16:59	08/30/14 16:17	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/27/14 16:59	08/30/14 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/27/14 16:59*	*08/30/14 16:17*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*	*08/27/14 16:59*	*08/30/14 16:48*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*	*08/27/14 16:59*	*08/30/14 16:17*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*45 - 135*	*08/27/14 16:59*	*08/30/14 16:48*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7900**		21	2.2	mg/Kg	☼	08/21/14 13:06	08/29/14 08:17	1
Antimony	**2.6**		1.1	0.21	mg/Kg	☼	08/21/14 13:06	08/28/14 17:24	1
Arsenic	**7.6**		1.1	0.33	mg/Kg	☼	08/21/14 13:06	08/28/14 17:24	1
Barium	**60**		21	0.014	mg/Kg	☼	08/21/14 13:06	08/28/14 17:24	1
Beryllium	**0.38**	**J**	0.43	0.012	mg/Kg	☼	08/21/14 13:06	08/28/14 17:24	1
Cadmium	**0.16**	**J B**	0.53	0.015	mg/Kg	☼	08/21/14 13:06	08/29/14 08:17	1

Client Sample ID: SSHS-B78-2-6 (3.5)

Date Collected: 08/14/14 11:57
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-73
Matrix: Solid
Percent Solids: 90.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**5900**		530	1.6	mg/Kg	☼	08/21/14 13:06	08/29/14 08:17	1
Chromium	**9.8**		0.53	0.082	mg/Kg	☼	08/21/14 13:06	08/28/14 17:24	1
Cobalt	**5.7**		5.3	0.044	mg/Kg	☼	08/21/14 13:06	08/28/14 17:24	1
Copper	**45**		2.7	0.15	mg/Kg	☼	08/21/14 13:06	08/29/14 08:17	1
Iron	**18000**	**B**	11	0.94	mg/Kg	☼	08/21/14 13:06	08/28/14 17:24	1
Lead	**93**		1.1	0.11	mg/Kg	☼	08/21/14 13:06	08/28/14 17:24	1
Magnesium	**2000**		530	2.2	mg/Kg	☼	08/21/14 13:06	08/29/14 08:17	1
Manganese	**510**		1.6	0.095	mg/Kg	☼	08/21/14 13:06	08/29/14 08:17	1
Nickel	**14**		4.3	0.051	mg/Kg	☼	08/21/14 13:06	08/28/14 17:24	1
Potassium	**680**	**B**	530	6.8	mg/Kg	☼	08/21/14 13:06	08/29/14 08:17	1
Selenium	**0.73**	**J**	1.1	0.28	mg/Kg	☼	08/21/14 13:06	08/28/14 17:24	1
Silver	ND		0.53	0.043	mg/Kg	☼	08/21/14 13:06	08/28/14 17:24	1
Sodium	**120**	**J**	530	1.1	mg/Kg	☼	08/21/14 13:06	08/29/14 08:17	1
Thallium	ND		2.1	0.16	mg/Kg	☼	08/21/14 13:06	08/29/14 08:17	1
Vanadium	**15**		5.3	0.19	mg/Kg	☼	08/21/14 13:06	08/28/14 17:24	1
Zinc	**100**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:06	08/29/14 08:17	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.058**		0.036	0.012	mg/Kg	☼	08/27/14 09:15	08/27/14 14:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.7**		0.10	0.10	%			08/18/14 16:00	1
Percent Solids	**90**		0.10	0.10	%			08/18/14 16:00	1
Cyanide, Total	**0.80**		0.58	0.17	mg/Kg	☼	08/27/14 07:00	08/27/14 10:00	1

Client Sample ID: SSHS-B78-6-10 (8)

Date Collected: 08/14/14 12:03
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-74
Matrix: Solid
Percent Solids: 91.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	6.4	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Benzene	ND		6.4	0.87	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Bromoform	ND		6.4	0.57	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Bromomethane	ND		6.4	0.95	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
2-Butanone (MEK)	ND		6.4	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Carbon disulfide	ND		6.4	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Carbon tetrachloride	ND	*	6.4	0.57	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Chlorobenzene	ND		6.4	0.97	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Chlorobromomethane	ND		6.4	0.88	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Chlorodibromomethane	ND		6.4	0.91	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Chloroethane	ND		6.4	2.0	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Chloroform	ND		6.4	0.75	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Chloromethane	ND		6.4	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
cis-1,2-Dichloroethene	ND		6.4	0.90	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
cis-1,3-Dichloropropene	ND		6.4	0.87	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Cyclohexane	ND		6.4	0.48	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
1,2-Dibromo-3-Chloropropane	ND		6.4	0.96	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1

Client Sample ID: SSHS-B78-6-10 (8)

Lab Sample ID: 180-35818-74

Date Collected: 08/14/14 12:03
Date Received: 08/15/14 09:10

Matrix: Solid
Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		6.4	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
1,2-Dichlorobenzene	ND		6.4	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
1,3-Dichlorobenzene	ND		6.4	0.84	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
1,4-Dichlorobenzene	ND		6.4	0.82	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Dichlorobromomethane	ND		6.4	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Dichlorodifluoromethane	ND		6.4	0.85	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
1,1-Dichloroethane	ND		6.4	0.74	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
1,2-Dichloroethane	ND		6.4	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
1,1-Dichloroethene	ND		6.4	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
1,2-Dichloropropane	ND		6.4	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
1,4-Dioxane	ND		1300	350	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Ethylbenzene	ND		6.4	0.82	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
2-Hexanone	ND		6.4	0.89	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Isopropylbenzene	ND		6.4	0.87	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Methyl acetate	ND		6.4	1.2	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Methylcyclohexane	ND		6.4	0.93	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Methylene Chloride	ND		6.4	0.86	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
4-Methyl-2-pentanone (MIBK)	ND		6.4	0.84	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Methyl tert-butyl ether	ND		6.4	0.96	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
m-Xylene & p-Xylene	ND		13	1.9	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
o-Xylene	ND		6.4	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Styrene	ND		6.4	0.91	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
1,1,2,2-Tetrachloroethane	ND		6.4	0.92	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Tetrachloroethene	ND		6.4	0.87	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Toluene	ND		6.4	0.94	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
trans-1,2-Dichloroethene	ND	*	6.4	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
trans-1,3-Dichloropropene	ND		6.4	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
1,2,3-Trichlorobenzene	ND		6.4	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
1,2,4-Trichlorobenzene	ND		6.4	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
1,1,1-Trichloroethane	ND	*	6.4	0.62	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
1,1,2-Trichloroethane	ND		6.4	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Trichloroethene	ND		6.4	0.84	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Trichlorofluoromethane	ND		6.4	1.2	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	6.4	1.4	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1
Vinyl chloride	ND		6.4	0.60	ug/Kg	☼	08/25/14 04:25	08/25/14 08:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/25/14 04:25*	*08/25/14 08:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 120*	*08/25/14 04:25*	*08/25/14 08:45*	*1*
Dibromofluoromethane (Surr)	*95*		*68 - 121*	*08/25/14 04:25*	*08/25/14 08:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*52 - 124*	*08/25/14 04:25*	*08/25/14 08:45*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/25/14 04:25*	*08/25/14 08:45*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Acenaphthylene	ND		73	8.4	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Acetophenone	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1

Client Sample ID: SSHS-B78-6-10 (8) **Lab Sample ID: 180-35818-74**

Date Collected: 08/14/14 12:03 **Matrix: Solid**

Date Received: 08/15/14 09:10 **Percent Solids: 91.4**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		73	7.1	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Atrazine	ND		360	36	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Benzo[a]anthracene	ND		73	9.1	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Benzo[a]pyrene	ND		73	7.3	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Benzo[b]fluoranthene	ND		73	11	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Benzo[g,h,i]perylene	ND		73	7.3	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Benzo[k]fluoranthene	ND		73	15	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Bis(2-chloroethyl)ether	ND		73	9.8	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Carbazole	ND		73	6.7	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Chrysene	ND		73	8.7	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Dibenz(a,h)anthracene	ND		73	8.1	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
2,4-Dinitrophenol	ND		1900	430	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Fluoranthene	ND		73	7.8	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Fluorene	ND		73	9.6	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Hexachlorobenzene	ND		73	7.8	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Hexachlorobutadiene	ND		73	8.2	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Indeno[1,2,3-cd]pyrene	ND		73	7.5	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Isophorone	ND		360	28	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
2-Methylnaphthalene	ND		73	6.6	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Naphthalene	ND		73	6.3	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: SSHS-B78-6-10 (8)
Date Collected: 08/14/14 12:03
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-74
Matrix: Solid
Percent Solids: 91.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
N-Nitrosodi-n-propylamine	ND		73	8.6	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
2,2'-oxybis[1-chloropropane]	ND		73	7.9	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Phenanthrene	ND		73	12	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Phenol	ND		73	8.6	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
Pyrene	ND		73	7.4	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/27/14 14:44	08/29/14 17:36	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*710*	*T J*	*ug/Kg*	☼	*12.83*		*08/27/14 14:44*	*08/29/14 17:36*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*12.88*		*08/27/14 14:44*	*08/29/14 17:36*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 105*	*08/27/14 14:44*	*08/29/14 17:36*	*1*
2-Fluorophenol (Surr)	*70*		*39 - 103*	*08/27/14 14:44*	*08/29/14 17:36*	*1*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/27/14 14:44*	*08/29/14 17:36*	*1*
Phenol-d5 (Surr)	*74*		*25 - 105*	*08/27/14 14:44*	*08/29/14 17:36*	*1*
Terphenyl-d14 (Surr)	*71*		*25 - 127*	*08/27/14 14:44*	*08/29/14 17:36*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*35 - 124*	*08/27/14 14:44*	*08/29/14 17:36*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
beta-BHC	ND		1.9	0.47	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
4,4'-DDT	ND		1.9	0.27	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
Dieldrin	ND		1.9	0.30	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
Endosulfan I	ND		1.9	0.34	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
Endrin	ND		1.9	0.35	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
Endrin aldehyde	ND		1.9	0.35	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
Endrin ketone	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1

Client Sample Results

Client Sample ID: SSHS-B78-6-10 (8)
Date Collected: 08/14/14 12:03
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-74
Matrix: Solid
Percent Solids: 91.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1
Toxaphene	ND		73	12	ug/Kg	☼	08/27/14 16:59	08/29/14 08:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/27/14 16:59*	*08/29/14 08:25*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/27/14 16:59*	*08/29/14 08:25*	*1*
Tetrachloro-m-xylene	*99*		*45 - 130*	*08/27/14 16:59*	*08/29/14 08:25*	*1*
Tetrachloro-m-xylene	*93*		*45 - 130*	*08/27/14 16:59*	*08/29/14 08:25*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/27/14 16:59	08/30/14 16:48	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/27/14 16:59	08/30/14 16:48	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/27/14 16:59	08/30/14 16:48	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/27/14 16:59	08/30/14 16:48	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/27/14 16:59	08/30/14 16:48	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/27/14 16:59	08/30/14 16:48	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/27/14 16:59	08/30/14 16:48	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/27/14 16:59	08/30/14 16:48	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/27/14 16:59	08/30/14 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/27/14 16:59*	*08/30/14 16:48*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*	*08/27/14 16:59*	*08/30/14 17:20*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*45 - 135*	*08/27/14 16:59*	*08/30/14 16:48*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*45 - 135*	*08/27/14 16:59*	*08/30/14 17:20*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9400**		21	2.2	mg/Kg	☼	08/21/14 13:06	08/29/14 08:22	1
Antimony	**0.67**	**J**	1.0	0.21	mg/Kg	☼	08/21/14 13:06	08/28/14 17:29	1
Arsenic	**4.0**		1.0	0.32	mg/Kg	☼	08/21/14 13:06	08/28/14 17:29	1
Barium	**56**		21	0.013	mg/Kg	☼	08/21/14 13:06	08/28/14 17:29	1
Beryllium	**0.32**	**J**	0.42	0.012	mg/Kg	☼	08/21/14 13:06	08/28/14 17:29	1
Cadmium	**0.12**	**J B**	0.52	0.015	mg/Kg	☼	08/21/14 13:06	08/29/14 08:22	1
Calcium	**73000**		1000	3.1	mg/Kg	☼	08/21/14 13:06	08/29/14 08:38	2
Chromium	**8.8**		0.52	0.080	mg/Kg	☼	08/21/14 13:06	08/28/14 17:29	1
Cobalt	**5.4**		5.2	0.044	mg/Kg	☼	08/21/14 13:06	08/28/14 17:29	1
Copper	**20**		2.6	0.15	mg/Kg	☼	08/21/14 13:06	08/29/14 08:22	1
Iron	**13000**	**B**	10	0.92	mg/Kg	☼	08/21/14 13:06	08/28/14 17:29	1
Lead	**8.2**		1.0	0.11	mg/Kg	☼	08/21/14 13:06	08/28/14 17:29	1
Magnesium	**8500**		520	2.2	mg/Kg	☼	08/21/14 13:06	08/29/14 08:22	1
Manganese	**450**		1.6	0.093	mg/Kg	☼	08/21/14 13:06	08/29/14 08:22	1
Nickel	**12**		4.2	0.050	mg/Kg	☼	08/21/14 13:06	08/28/14 17:29	1
Potassium	**660**	**B**	520	6.7	mg/Kg	☼	08/21/14 13:06	08/29/14 08:22	1
Selenium	**0.36**	**J**	1.0	0.28	mg/Kg	☼	08/21/14 13:06	08/28/14 17:29	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/21/14 13:06	08/28/14 17:29	1
Sodium	**130**	**J**	520	1.1	mg/Kg	☼	08/21/14 13:06	08/29/14 08:22	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/21/14 13:06	08/29/14 08:22	1
Vanadium	**11**		5.2	0.18	mg/Kg	☼	08/21/14 13:06	08/28/14 17:29	1

Client Sample Results

Client Sample ID: SSHS-B78-6-10 (8)

Lab Sample ID: 180-35818-74
Date Collected: 08/14/14 12:03
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	**41**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:06	08/29/14 08:22	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.012**	**J**	0.036	0.012	mg/Kg	☼	08/27/14 09:15	08/27/14 14:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.6**		0.10	0.10	%			08/18/14 16:00	1
Percent Solids	**91**		0.10	0.10	%			08/18/14 16:00	1
Cyanide, Total	ND		0.55	0.16	mg/Kg	☼	08/27/14 07:00	08/27/14 10:00	1

Client Sample ID: SSHS-B78-10-15 (12)

Lab Sample ID: 180-35818-75
Date Collected: 08/14/14 12:10
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 95.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	5.3	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Benzene	ND		5.3	0.71	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Bromoform	ND		5.3	0.47	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Bromomethane	ND		5.3	0.78	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
2-Butanone (MEK)	ND		5.3	0.93	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Carbon disulfide	ND		5.3	0.54	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Carbon tetrachloride	ND	*	5.3	0.47	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Chlorobenzene	ND		5.3	0.80	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Chlorobromomethane	ND		5.3	0.73	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Chlorodibromomethane	ND		5.3	0.75	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Chloroethane	ND		5.3	1.6	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Chloroform	ND		5.3	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Chloromethane	ND		5.3	0.90	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
cis-1,2-Dichloroethene	ND		5.3	0.74	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
cis-1,3-Dichloropropene	ND		5.3	0.72	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Cyclohexane	ND		5.3	0.39	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
1,2-Dibromo-3-Chloropropane	ND		5.3	0.79	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
1,2-Dibromoethane	ND		5.3	0.91	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
1,2-Dichlorobenzene	ND		5.3	0.84	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
1,3-Dichlorobenzene	ND		5.3	0.69	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
1,4-Dichlorobenzene	ND		5.3	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Dichlorobromomethane	ND		5.3	0.59	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Dichlorodifluoromethane	ND		5.3	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
1,1-Dichloroethane	ND		5.3	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
1,2-Dichloroethane	ND		5.3	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
1,1-Dichloroethene	ND		5.3	0.90	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
1,2-Dichloropropane	ND		5.3	0.57	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
1,4-Dioxane	ND		1100	290	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Ethylbenzene	ND		5.3	0.68	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
2-Hexanone	ND		5.3	0.73	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Isopropylbenzene	ND		5.3	0.72	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Methyl acetate	ND		5.3	0.95	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B78-10-15 (12) **Lab Sample ID: 180-35818-75**
Date Collected: 08/14/14 12:10 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 95.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		5.3	0.77	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Methylene Chloride	ND		5.3	0.71	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	0.69	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Methyl tert-butyl ether	ND		5.3	0.79	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
o-Xylene	ND		5.3	0.82	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Styrene	ND		5.3	0.74	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.76	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Tetrachloroethene	ND		5.3	0.72	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Toluene	ND		5.3	0.77	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
trans-1,2-Dichloroethene	ND	*	5.3	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
trans-1,3-Dichloropropene	ND		5.3	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
1,2,3-Trichlorobenzene	ND		5.3	0.89	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
1,2,4-Trichlorobenzene	ND		5.3	0.93	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
1,1,1-Trichloroethane	ND	*	5.3	0.51	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
1,1,2-Trichloroethane	ND		5.3	0.88	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Trichloroethene	ND		5.3	0.69	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Trichlorofluoromethane	ND		5.3	0.97	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.3	1.1	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1
Vinyl chloride	ND		5.3	0.50	ug/Kg	☼	08/22/14 20:52	08/23/14 02:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 20:52*	*08/23/14 02:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*63 - 120*	*08/22/14 20:52*	*08/23/14 02:12*	*1*
Dibromofluoromethane (Surr)	*107*		*68 - 121*	*08/22/14 20:52*	*08/23/14 02:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*52 - 124*	*08/22/14 20:52*	*08/23/14 02:12*	*1*
Toluene-d8 (Surr)	*105*		*72 - 127*	*08/22/14 20:52*	*08/23/14 02:12*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	6.7	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Acenaphthylene	ND		70	8.0	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Acetophenone	ND		350	29	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Anthracene	ND		70	6.8	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Atrazine	ND		350	34	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Benzaldehyde	ND		350	52	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Benzo[a]anthracene	ND		70	8.8	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Benzo[a]pyrene	ND		70	7.0	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Benzo[b]fluoranthene	ND		70	11	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Benzo[g,h,i]perylene	ND		70	7.0	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Benzo[k]fluoranthene	ND		70	14	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
1,1'-Biphenyl	ND		350	31	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Bis(2-chloroethyl)ether	ND		70	9.4	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Bis(2-ethylhexyl) phthalate	ND		700	56	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
4-Bromophenyl phenyl ether	ND		350	30	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Caprolactam	ND		1800	260	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1

Client Sample Results

Client Sample ID: SSHS-B78-10-15 (12)
Lab Sample ID: 180-35818-75
Date Collected: 08/14/14 12:10
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 95.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		70	6.4	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
4-Chloro-3-methylphenol	ND		350	32	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
2-Chloronaphthalene	ND		70	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Chrysene	ND		70	8.3	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Dibenz(a,h)anthracene	ND		70	7.8	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Dibenzofuran	ND		350	34	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
2,4-Dichlorophenol	ND		70	7.0	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Diethyl phthalate	ND		350	38	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Dimethyl phthalate	ND		350	38	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
2,4-Dinitrotoluene	ND		350	28	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
2,6-Dinitrotoluene	ND		350	36	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
1,4-Dioxane	ND		700	40	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Fluoranthene	ND		70	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Fluorene	ND		70	9.2	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Hexachlorobenzene	ND		70	7.4	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Hexachlorobutadiene	ND		70	7.8	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Indeno[1,2,3-cd]pyrene	ND		70	7.2	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Isophorone	ND		350	26	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
2-Methylnaphthalene	ND		70	6.3	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
2-Methylphenol	ND		350	24	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Methylphenol, 3 & 4	ND		350	34	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Naphthalene	ND		70	6.0	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
3-Nitroaniline	ND		1800	140	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Nitrobenzene	ND		700	29	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
N-Nitrosodi-n-propylamine	ND		70	8.2	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
N-Nitrosodiphenylamine	ND		350	32	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
2,2'-oxybis[1-chloropropane]	ND		70	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Pentachlorophenol	ND		350	31	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Phenanthrene	ND		70	11	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Phenol	ND		70	8.3	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
Pyrene	ND		70	7.1	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
1,2,4,5-Tetrachlorobenzene	ND		350	26	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
2,3,4,6-Tetrachlorophenol	ND		350	22	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1
2,4,5-Trichlorophenol	ND		350	37	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1

Client Sample ID: SSHS-B78-10-15 (12)
Date Collected: 08/14/14 12:10
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-75
Matrix: Solid
Percent Solids: 95.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		350	52	ug/Kg	☼	08/27/14 14:44	08/28/14 21:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*730*	*T J*	*ug/Kg*	☼	*12.85*		*08/27/14 14:44*	*08/28/14 21:24*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*12.88*		*08/27/14 14:44*	*08/28/14 21:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 105*	*08/27/14 14:44*	*08/28/14 21:24*	*1*
2-Fluorophenol (Surr)	*66*		*39 - 103*	*08/27/14 14:44*	*08/28/14 21:24*	*1*
Nitrobenzene-d5 (Surr)	*69*		*25 - 104*	*08/27/14 14:44*	*08/28/14 21:24*	*1*
Phenol-d5 (Surr)	*69*		*25 - 105*	*08/27/14 14:44*	*08/28/14 21:24*	*1*
Terphenyl-d14 (Surr)	*66*		*25 - 127*	*08/27/14 14:44*	*08/28/14 21:24*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*35 - 124*	*08/27/14 14:44*	*08/28/14 21:24*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
alpha-BHC	ND		1.8	0.28	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
beta-BHC	ND		1.8	0.45	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
4,4'-DDE	ND		1.8	0.26	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
gamma-Chlordane	ND		1.8	0.34	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
Methoxychlor	ND		3.5	0.36	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1
Toxaphene	ND		70	12	ug/Kg	☼	08/27/14 16:59	08/29/14 08:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*08/27/14 16:59*	*08/29/14 08:41*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/27/14 16:59*	*08/29/14 08:41*	*1*
Tetrachloro-m-xylene	*96*		*45 - 130*	*08/27/14 16:59*	*08/29/14 08:41*	*1*
Tetrachloro-m-xylene	*91*		*45 - 130*	*08/27/14 16:59*	*08/29/14 08:41*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.6	ug/Kg	☼	08/27/14 16:59	08/30/14 17:20	1
PCB-1221	ND		17	3.3	ug/Kg	☼	08/27/14 16:59	08/30/14 17:20	1
PCB-1232	ND		17	3.0	ug/Kg	☼	08/27/14 16:59	08/30/14 17:20	1
PCB-1242	ND		17	2.8	ug/Kg	☼	08/27/14 16:59	08/30/14 17:20	1
PCB-1248	ND		17	1.7	ug/Kg	☼	08/27/14 16:59	08/30/14 17:20	1

Client Sample ID: SSHS-B78-10-15 (12)
Date Collected: 08/14/14 12:10
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-75
Matrix: Solid
Percent Solids: 95.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	ND		17	2.5	ug/Kg	☼	08/27/14 16:59	08/30/14 17:20	1
PCB-1260	ND		17	2.5	ug/Kg	☼	08/27/14 16:59	08/30/14 17:20	1
PCB-1262	ND		17	3.8	ug/Kg	☼	08/27/14 16:59	08/30/14 17:20	1
PCB-1268	ND		17	2.2	ug/Kg	☼	08/27/14 16:59	08/30/14 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/27/14 16:59*	*08/30/14 17:20*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*	*08/27/14 16:59*	*08/30/14 17:52*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*	*08/27/14 16:59*	*08/30/14 17:20*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*	*08/27/14 16:59*	*08/30/14 17:52*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4900**		19	2.0	mg/Kg	☼	08/21/14 13:06	08/29/14 08:27	1
Antimony	**0.39**	**J**	0.94	0.19	mg/Kg	☼	08/21/14 13:06	08/28/14 17:34	1
Arsenic	**4.7**		0.94	0.29	mg/Kg	☼	08/21/14 13:06	08/28/14 17:34	1
Barium	**36**		19	0.012	mg/Kg	☼	08/21/14 13:06	08/28/14 17:34	1
Beryllium	**0.24**	**J**	0.38	0.011	mg/Kg	☼	08/21/14 13:06	08/28/14 17:34	1
Cadmium	**0.091**	**J B**	0.47	0.013	mg/Kg	☼	08/21/14 13:06	08/29/14 08:27	1
Calcium	**71000**		940	2.8	mg/Kg	☼	08/21/14 13:06	08/29/14 08:33	2
Chromium	**5.5**		0.47	0.073	mg/Kg	☼	08/21/14 13:06	08/28/14 17:34	1
Cobalt	**3.8**	**J**	4.7	0.039	mg/Kg	☼	08/21/14 13:06	08/28/14 17:34	1
Copper	**16**		2.4	0.14	mg/Kg	☼	08/21/14 13:06	08/29/14 08:27	1
Iron	**9700**	**B**	9.4	0.84	mg/Kg	☼	08/21/14 13:06	08/28/14 17:34	1
Lead	**4.2**		0.94	0.096	mg/Kg	☼	08/21/14 13:06	08/28/14 17:34	1
Magnesium	**8500**		470	1.9	mg/Kg	☼	08/21/14 13:06	08/29/14 08:27	1
Manganese	**360**		1.4	0.084	mg/Kg	☼	08/21/14 13:06	08/29/14 08:27	1
Nickel	**9.3**		3.8	0.045	mg/Kg	☼	08/21/14 13:06	08/28/14 17:34	1
Potassium	**520**	**B**	470	6.0	mg/Kg	☼	08/21/14 13:06	08/29/14 08:27	1
Selenium	**0.48**	**J**	0.94	0.25	mg/Kg	☼	08/21/14 13:06	08/28/14 17:34	1
Silver	ND		0.47	0.038	mg/Kg	☼	08/21/14 13:06	08/28/14 17:34	1
Sodium	**180**	**J**	470	1.0	mg/Kg	☼	08/21/14 13:06	08/29/14 08:27	1
Thallium	ND		1.9	0.14	mg/Kg	☼	08/21/14 13:06	08/29/14 08:27	1
Vanadium	**7.5**		4.7	0.16	mg/Kg	☼	08/21/14 13:06	08/28/14 17:34	1
Zinc	**36**	**B**	1.9	0.097	mg/Kg	☼	08/21/14 13:06	08/29/14 08:27	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.011	mg/Kg	☼	08/27/14 09:15	08/27/14 15:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.5**		0.10	0.10	%			08/18/14 16:00	1
Percent Solids	**95**		0.10	0.10	%			08/18/14 16:00	1
Cyanide, Total	ND		0.52	0.15	mg/Kg	☼	08/27/14 07:00	08/27/14 10:00	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: DUP-12
Date Collected: 08/14/14 00:00
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-76
Matrix: Solid
Percent Solids: 91.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.6	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Benzene	ND		4.6	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Bromoform	ND		4.6	0.41	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Bromomethane	ND		4.6	0.68	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
2-Butanone (MEK)	ND		4.6	0.81	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Carbon disulfide	ND		4.6	0.47	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Carbon tetrachloride	ND	*	4.6	0.41	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Chlorobenzene	ND		4.6	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Chlorobromomethane	ND		4.6	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Chlorodibromomethane	ND		4.6	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Chloroethane	ND		4.6	1.4	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Chloroform	ND		4.6	0.54	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Chloromethane	ND		4.6	0.78	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
cis-1,2-Dichloroethene	ND		4.6	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
cis-1,3-Dichloropropene	ND		4.6	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Cyclohexane	ND		4.6	0.34	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
1,2-Dibromo-3-Chloropropane	ND		4.6	0.69	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
1,2-Dibromoethane	ND		4.6	0.79	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
1,2-Dichlorobenzene	ND		4.6	0.73	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
1,3-Dichlorobenzene	ND		4.6	0.60	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
1,4-Dichlorobenzene	ND		4.6	0.58	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Dichlorobromomethane	ND		4.6	0.52	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Dichlorodifluoromethane	ND		4.6	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
1,1-Dichloroethane	ND		4.6	0.53	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
1,2-Dichloroethane	ND		4.6	0.56	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
1,1-Dichloroethene	ND		4.6	0.78	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
1,2-Dichloropropane	ND		4.6	0.50	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
1,4-Dioxane	ND		920	250	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Ethylbenzene	ND		4.6	0.59	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
2-Hexanone	ND		4.6	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Isopropylbenzene	ND		4.6	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Methyl acetate	ND		4.6	0.83	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Methylcyclohexane	ND		4.6	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Methylene Chloride	ND		4.6	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.60	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Methyl tert-butyl ether	ND		4.6	0.69	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
m-Xylene & p-Xylene	ND		9.2	1.3	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
o-Xylene	ND		4.6	0.72	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Styrene	ND		4.6	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.66	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Tetrachloroethene	ND		4.6	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Toluene	ND		4.6	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
trans-1,2-Dichloroethene	ND	*	4.6	0.55	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
trans-1,3-Dichloropropene	ND		4.6	0.55	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
1,2,3-Trichlorobenzene	ND		4.6	0.78	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
1,2,4-Trichlorobenzene	ND		4.6	0.81	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
1,1,1-Trichloroethane	ND	*	4.6	0.45	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
1,1,2-Trichloroethane	ND		4.6	0.76	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Trichloroethene	ND		4.6	0.60	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1

Client Sample ID: DUP-12 **Lab Sample ID: 180-35818-76**

Date Collected: 08/14/14 00:00 **Matrix: Solid**

Date Received: 08/15/14 09:10 **Percent Solids: 91.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.6	0.84	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.6	0.98	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1
Vinyl chloride	ND		4.6	0.43	ug/Kg	☼	08/22/14 20:52	08/23/14 04:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 20:52*	*08/23/14 04:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*	*08/22/14 20:52*	*08/23/14 04:25*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/22/14 20:52*	*08/23/14 04:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*	*08/22/14 20:52*	*08/23/14 04:25*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*08/22/14 20:52*	*08/23/14 04:25*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Acenaphthylene	ND		73	8.3	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Acetophenone	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Anthracene	ND		73	7.1	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Atrazine	ND		360	35	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Benzaldehyde	ND		360	54	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Benzo[a]anthracene	ND		73	9.1	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Benzo[a]pyrene	ND		73	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Benzo[b]fluoranthene	ND		73	11	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Benzo[g,h,i]perylene	ND		73	7.2	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Benzo[k]fluoranthene	ND		73	15	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Bis(2-chloroethyl)ether	ND		73	9.7	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Caprolactam	ND		1900	270	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Carbazole	ND		73	6.7	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Chrysene	ND		73	8.6	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Dibenz(a,h)anthracene	ND		73	8.1	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
2,4-Dinitrophenol	ND		1900	430	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1

Client Sample ID: DUP-12 **Lab Sample ID: 180-35818-76**
Date Collected: 08/14/14 00:00 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 91.9**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
2,6-Dinitrotoluene	ND		360	37	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Fluoranthene	ND		73	7.8	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Fluorene	ND		73	9.6	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Hexachlorobenzene	ND		73	7.7	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Hexachlorobutadiene	ND		73	8.1	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Indeno[1,2,3-cd]pyrene	ND		73	7.5	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Isophorone	ND		360	27	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
2-Methylnaphthalene	ND		73	6.5	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Naphthalene	ND		73	6.3	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
N-Nitrosodi-n-propylamine	ND		73	8.5	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
2,2'-oxybis[1-chloropropane]	ND		73	7.8	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Pentachlorophenol	ND		360	32	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Phenanthrene	ND		73	12	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Phenol	ND		73	8.6	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
Pyrene	ND		73	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/27/14 14:44	08/28/14 21:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*200*	*T J*	*ug/Kg*	☼	*12.86*		*08/27/14 14:44*	*08/28/14 21:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 105*	*08/27/14 14:44*	*08/28/14 21:53*	*1*
2-Fluorophenol (Surr)	*64*		*39 - 103*	*08/27/14 14:44*	*08/28/14 21:53*	*1*
Nitrobenzene-d5 (Surr)	*65*		*25 - 104*	*08/27/14 14:44*	*08/28/14 21:53*	*1*
Phenol-d5 (Surr)	*65*		*25 - 105*	*08/27/14 14:44*	*08/28/14 21:53*	*1*
Terphenyl-d14 (Surr)	*65*		*25 - 127*	*08/27/14 14:44*	*08/28/14 21:53*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*35 - 124*	*08/27/14 14:44*	*08/28/14 21:53*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.32	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1

Client Sample Results

Client Sample ID: DUP-12

Lab Sample ID: 180-35818-76

Date Collected: 08/14/14 00:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.9	0.47	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
4,4'-DDE	ND		1.9	0.27	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
4,4'-DDT	ND		1.9	0.27	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
Dieldrin	ND		1.9	0.30	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
Endosulfan I	ND		1.9	0.34	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
Endrin	ND		1.9	0.35	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
Endrin aldehyde	ND		1.9	0.35	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
Endrin ketone	ND		1.9	0.28	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
Heptachlor	ND		1.9	0.40	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
Heptachlor epoxide	ND		1.9	0.35	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1
Toxaphene	ND		73	12	ug/Kg	☼	08/27/14 16:59	08/29/14 08:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*08/27/14 16:59*	*08/29/14 08:56*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/27/14 16:59*	*08/29/14 08:56*	*1*
Tetrachloro-m-xylene	*99*		*45 - 130*	*08/27/14 16:59*	*08/29/14 08:56*	*1*
Tetrachloro-m-xylene	*93*		*45 - 130*	*08/27/14 16:59*	*08/29/14 08:56*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/27/14 16:59	08/30/14 17:52	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/27/14 16:59	08/30/14 17:52	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/27/14 16:59	08/30/14 17:52	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/27/14 16:59	08/30/14 17:52	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/27/14 16:59	08/30/14 17:52	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/27/14 16:59	08/30/14 17:52	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/27/14 16:59	08/30/14 17:52	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/27/14 16:59	08/30/14 17:52	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/27/14 16:59	08/30/14 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 125*	*08/27/14 16:59*	*08/30/14 17:52*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*	*08/27/14 16:59*	*08/30/14 18:23*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*45 - 135*	*08/27/14 16:59*	*08/30/14 17:52*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*	*08/27/14 16:59*	*08/30/14 18:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7700**		20	2.1	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Antimony	**0.38**	**J**	1.0	0.20	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Arsenic	**7.4**		1.0	0.31	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Barium	**66**		20	0.013	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Beryllium	**0.34**	**J**	0.41	0.011	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1

Client Sample ID: DUP-12

Lab Sample ID: 180-35818-76
Date Collected: 08/14/14 00:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 91.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.056**	**J B**	0.51	0.015	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Calcium	**2500**		510	1.5	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Chromium	**8.8**		0.51	0.079	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Cobalt	**5.6**		5.1	0.043	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Copper	**27**		2.5	0.15	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Iron	**16000**	**B**	10	0.90	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Lead	**13**		1.0	0.10	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Magnesium	**1900**		510	2.1	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Manganese	**470**		1.5	0.090	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Nickel	**17**	**B**	4.1	0.048	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Potassium	**630**		510	6.5	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Selenium	**0.58**	**J**	1.0	0.27	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Silver	ND		0.51	0.041	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Sodium	**180**	**J**	510	1.1	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Vanadium	**12**		5.1	0.18	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1
Zinc	**45**	**B**	2.0	0.10	mg/Kg	☼	08/21/14 13:07	08/27/14 14:34	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**	**J**	0.035	0.012	mg/Kg	☼	08/27/14 09:15	08/27/14 15:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.1**		0.10	0.10	%			08/18/14 16:00	1
Percent Solids	**92**		0.10	0.10	%			08/18/14 16:00	1
Cyanide, Total	**3.2**		0.55	0.16	mg/Kg	☼	08/27/14 07:00	08/27/14 10:00	1

Client Sample ID: DUP-13

Lab Sample ID: 180-35818-77
Date Collected: 08/14/14 00:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 93.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.5	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Benzene	ND		4.5	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Bromoform	ND		4.5	0.40	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Bromomethane	ND		4.5	0.66	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
2-Butanone (MEK)	ND		4.5	0.79	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Carbon disulfide	ND		4.5	0.46	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Carbon tetrachloride	ND	*	4.5	0.40	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Chlorobenzene	ND		4.5	0.68	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Chlorobromomethane	ND		4.5	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Chlorodibromomethane	ND		4.5	0.64	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Chloroethane	ND		4.5	1.4	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Chloroform	ND		4.5	0.52	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Chloromethane	ND		4.5	0.76	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
cis-1,2-Dichloroethene	ND		4.5	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
cis-1,3-Dichloropropene	ND		4.5	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Cyclohexane	ND		4.5	0.33	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1

Client Sample Results

Client Sample ID: DUP-13

Lab Sample ID: 180-35818-77

Date Collected: 08/14/14 00:00

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 93.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.5	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
1,2-Dibromoethane	ND		4.5	0.77	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
1,2-Dichlorobenzene	ND		4.5	0.72	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
1,3-Dichlorobenzene	ND		4.5	0.59	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
1,4-Dichlorobenzene	ND		4.5	0.57	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Dichlorobromomethane	ND		4.5	0.50	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Dichlorodifluoromethane	ND		4.5	0.60	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
1,1-Dichloroethane	ND		4.5	0.52	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
1,2-Dichloroethane	ND		4.5	0.55	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
1,1-Dichloroethene	ND		4.5	0.76	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
1,2-Dichloropropane	ND		4.5	0.49	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
1,4-Dioxane	ND		900	250	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Ethylbenzene	ND		4.5	0.58	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
2-Hexanone	ND		4.5	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Isopropylbenzene	ND		4.5	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Methyl acetate	ND		4.5	0.81	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Methylcyclohexane	ND		4.5	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Methylene Chloride	ND		4.5	0.60	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
4-Methyl-2-pentanone (MIBK)	ND		4.5	0.59	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Methyl tert-butyl ether	ND		4.5	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
m-Xylene & p-Xylene	ND		9.0	1.3	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
o-Xylene	ND		4.5	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Styrene	ND		4.5	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
1,1,2,2-Tetrachloroethane	ND		4.5	0.64	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Tetrachloroethene	ND		4.5	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Toluene	ND		4.5	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
trans-1,2-Dichloroethene	ND	*	4.5	0.53	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
1,2,3-Trichlorobenzene	ND		4.5	0.76	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
1,2,4-Trichlorobenzene	ND		4.5	0.79	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
1,1,1-Trichloroethane	ND	*	4.5	0.44	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
1,1,2-Trichloroethane	ND		4.5	0.75	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Trichloroethene	ND		4.5	0.59	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Trichlorofluoromethane	ND		4.5	0.82	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.5	0.96	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1
Vinyl chloride	ND		4.5	0.42	ug/Kg	☼	08/22/14 20:52	08/23/14 04:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 20:52*	*08/23/14 04:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/22/14 20:52*	*08/23/14 04:47*	*1*
Dibromofluoromethane (Surr)	*109*		*68 - 121*	*08/22/14 20:52*	*08/23/14 04:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*52 - 124*	*08/22/14 20:52*	*08/23/14 04:47*	*1*
Toluene-d8 (Surr)	*100*		*72 - 127*	*08/22/14 20:52*	*08/23/14 04:47*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	6.8	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Acenaphthylene	ND		71	8.1	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1

Client Sample ID: DUP-13 **Lab Sample ID: 180-35818-77**

Date Collected: 08/14/14 00:00 **Matrix: Solid**

Date Received: 08/15/14 09:10 **Percent Solids: 93.9**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		350	29	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Anthracene	ND		71	7.0	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Atrazine	ND		350	35	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Benzo[a]anthracene	ND		71	8.9	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Benzo[a]pyrene	ND		71	7.1	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Benzo[b]fluoranthene	ND		71	11	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Benzo[g,h,i]perylene	ND		71	7.1	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Benzo[k]fluoranthene	ND		71	14	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Bis(2-chloroethyl)ether	ND		71	9.5	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Bis(2-ethylhexyl) phthalate	ND		710	57	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Butyl benzyl phthalate	ND		350	49	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Carbazole	ND		71	6.5	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
2-Chloronaphthalene	ND		71	7.4	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Chrysene	ND		71	8.5	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Dibenz(a,h)anthracene	ND		71	7.9	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
3,3'-Dichlorobenzidine	ND		350	38	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
2,4-Dichlorophenol	ND		71	7.1	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
2,4-Dimethylphenol	ND		350	56	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Di-n-butyl phthalate	ND		350	45	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
1,4-Dioxane	ND		710	41	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Fluoranthene	ND		71	7.6	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Fluorene	ND		71	9.4	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Hexachlorobenzene	ND		71	7.6	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Hexachlorobutadiene	ND		71	8.0	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Hexachloroethane	ND		350	26	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Indeno[1,2,3-cd]pyrene	ND		71	7.3	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Isophorone	ND		350	27	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
2-Methylnaphthalene	ND		71	6.4	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Naphthalene	ND		71	6.1	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1

Client Sample ID: DUP-13
Date Collected: 08/14/14 00:00
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-77
Matrix: Solid
Percent Solids: 93.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Nitrobenzene	ND		710	30	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
N-Nitrosodi-n-propylamine	ND		71	8.3	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
2,2'-oxybis[1-chloropropane]	ND		71	7.7	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Phenanthrene	ND		71	11	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Phenol	ND		71	8.4	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
Pyrene	ND		71	7.2	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/27/14 14:44	08/28/14 22:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*240*	*T J*	*ug/Kg*	☼	*12.85*		*08/27/14 14:44*	*08/28/14 22:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*35 - 105*	*08/27/14 14:44*	*08/28/14 22:22*	*1*
2-Fluorophenol (Surr)	*64*		*39 - 103*	*08/27/14 14:44*	*08/28/14 22:22*	*1*
Nitrobenzene-d5 (Surr)	*62*		*25 - 104*	*08/27/14 14:44*	*08/28/14 22:22*	*1*
Phenol-d5 (Surr)	*66*		*25 - 105*	*08/27/14 14:44*	*08/28/14 22:22*	*1*
Terphenyl-d14 (Surr)	*67*		*25 - 127*	*08/27/14 14:44*	*08/28/14 22:22*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*35 - 124*	*08/27/14 14:44*	*08/28/14 22:22*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: DUP-13
Date Collected: 08/14/14 00:00
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-77
Matrix: Solid
Percent Solids: 93.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1
Toxaphene	ND		71	12	ug/Kg	☼	08/27/14 16:59	08/29/14 09:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/27/14 16:59*	*08/29/14 09:12*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/27/14 16:59*	*08/29/14 09:12*	*1*
Tetrachloro-m-xylene	*93*		*45 - 130*	*08/27/14 16:59*	*08/29/14 09:12*	*1*
Tetrachloro-m-xylene	*90*		*45 - 130*	*08/27/14 16:59*	*08/29/14 09:12*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/27/14 16:59	08/30/14 19:58	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/27/14 16:59	08/30/14 19:58	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/27/14 16:59	08/30/14 19:58	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/27/14 16:59	08/30/14 19:58	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/27/14 16:59	08/30/14 19:58	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/27/14 16:59	08/30/14 19:58	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/27/14 16:59	08/30/14 19:58	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/27/14 16:59	08/30/14 19:58	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/27/14 16:59	08/30/14 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/27/14 16:59*	*08/30/14 19:58*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/27/14 16:59*	*08/30/14 20:29*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*	*08/27/14 16:59*	*08/30/14 19:58*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*	*08/27/14 16:59*	*08/30/14 20:29*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5200**		21	2.2	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Antimony	ND		1.0	0.21	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Arsenic	**5.4**		1.0	0.32	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Barium	**32**		21	0.013	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Beryllium	**0.21**	**J**	0.41	0.012	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Cadmium	**0.071**	**J B**	0.52	0.015	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Calcium	**56000**		520	1.6	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Chromium	**6.7**		0.52	0.080	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Cobalt	**5.1**	**J**	5.2	0.043	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Copper	**18**		2.6	0.15	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Iron	**13000**	**B**	10	0.92	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Lead	**8.0**		1.0	0.11	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Magnesium	**17000**		520	2.1	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Manganese	**410**		1.6	0.092	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Nickel	**12**	**B**	4.1	0.049	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Potassium	**510**	**J**	520	6.6	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Selenium	**0.85**	**J**	1.0	0.28	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Sodium	**130**	**J**	520	1.1	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1
Vanadium	**9.4**		5.2	0.18	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1

Client Sample ID: DUP-13

Lab Sample ID: 180-35818-77

Date Collected: 08/14/14 00:00

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 93.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	**59**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:07	08/27/14 15:09	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.011	mg/Kg	☼	08/27/14 09:15	08/27/14 15:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**6.1**		0.10	0.10	%			08/18/14 16:00	1
Percent Solids	**94**		0.10	0.10	%			08/18/14 16:00	1
Cyanide, Total	ND		0.55	0.16	mg/Kg	☼	08/27/14 07:00	08/27/14 10:00	1

Client Sample ID: DUP-14

Lab Sample ID: 180-35818-78

Date Collected: 08/14/14 00:00

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 90.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	6.5	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Benzene	ND		6.5	0.87	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Bromoform	ND		6.5	0.57	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Bromomethane	ND		6.5	0.96	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
2-Butanone (MEK)	ND		6.5	1.1	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Carbon disulfide	ND		6.5	0.66	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Carbon tetrachloride	ND	*	6.5	0.58	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Chlorobenzene	ND		6.5	0.98	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Chlorobromomethane	ND		6.5	0.89	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Chlorodibromomethane	ND		6.5	0.92	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Chloroethane	ND		6.5	2.0	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Chloroform	ND		6.5	0.76	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Chloromethane	ND		6.5	1.1	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
cis-1,2-Dichloroethene	ND		6.5	0.91	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
cis-1,3-Dichloropropene	ND		6.5	0.88	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Cyclohexane	ND		6.5	0.48	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
1,2-Dibromo-3-Chloropropane	ND		6.5	0.97	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
1,2-Dibromoethane	ND		6.5	1.1	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
1,2-Dichlorobenzene	ND		6.5	1.0	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
1,3-Dichlorobenzene	ND		6.5	0.85	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
1,4-Dichlorobenzene	ND		6.5	0.83	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Dichlorobromomethane	ND		6.5	0.73	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Dichlorodifluoromethane	ND		6.5	0.86	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
1,1-Dichloroethane	ND		6.5	0.75	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
1,2-Dichloroethane	ND		6.5	0.79	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
1,1-Dichloroethene	ND		6.5	1.1	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
1,2-Dichloropropane	ND		6.5	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
1,4-Dioxane	ND		1300	360	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Ethylbenzene	ND		6.5	0.83	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
2-Hexanone	ND		6.5	0.89	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Isopropylbenzene	ND		6.5	0.88	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Methyl acetate	ND		6.5	1.2	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1

Client Sample Results

Client Sample ID: DUP-14
Lab Sample ID: 180-35818-78
Date Collected: 08/14/14 00:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		6.5	0.94	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Methylene Chloride	ND		6.5	0.87	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
4-Methyl-2-pentanone (MIBK)	ND		6.5	0.85	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Methyl tert-butyl ether	ND		6.5	0.97	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
m-Xylene & p-Xylene	ND		13	1.9	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
o-Xylene	ND		6.5	1.0	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Styrene	ND		6.5	0.91	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
1,1,2,2-Tetrachloroethane	ND		6.5	0.93	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Tetrachloroethene	ND		6.5	0.88	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Toluene	ND		6.5	0.95	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
trans-1,2-Dichloroethene	ND	*	6.5	0.77	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
trans-1,3-Dichloropropene	ND		6.5	0.77	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
1,2,3-Trichlorobenzene	ND		6.5	1.1	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
1,2,4-Trichlorobenzene	ND		6.5	1.1	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
1,1,1-Trichloroethane	ND	*	6.5	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
1,1,2-Trichloroethane	ND		6.5	1.1	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Trichloroethene	ND		6.5	0.85	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Trichlorofluoromethane	ND		6.5	1.2	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	6.5	1.4	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1
Vinyl chloride	ND		6.5	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 05:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 20:52*	*08/23/14 05:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*63 - 120*	*08/22/14 20:52*	*08/23/14 05:10*	*1*
Dibromofluoromethane (Surr)	*109*		*68 - 121*	*08/22/14 20:52*	*08/23/14 05:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*52 - 124*	*08/22/14 20:52*	*08/23/14 05:10*	*1*
Toluene-d8 (Surr)	*108*		*72 - 127*	*08/22/14 20:52*	*08/23/14 05:10*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**9.1**	**J**	74	7.0	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Acenaphthylene	**140**		74	8.4	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Acetophenone	ND		360	30	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Anthracene	**150**		74	7.2	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Atrazine	ND		360	36	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Benzo[a]anthracene	**520**		74	9.2	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Benzo[a]pyrene	**560**		74	7.3	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Benzo[b]fluoranthene	**600**		74	12	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Benzo[g,h,i]perylene	**620**		74	7.3	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Benzo[k]fluoranthene	**300**		74	15	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Bis(2-chloroethyl)ether	ND		74	9.8	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Bis(2-ethylhexyl) phthalate	ND		740	59	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: DUP-14

Date Collected: 08/14/14 00:00
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-78
Matrix: Solid
Percent Solids: 90.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	**32**	**J**	74	6.8	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Chrysene	**510**		74	8.7	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Dibenz(a,h)anthracene	**140**		74	8.2	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Dibenzofuran	**45**	**J**	360	36	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Fluoranthene	**830**		74	7.8	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Fluorene	**27**	**J**	74	9.7	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Hexachlorobenzene	ND		74	7.8	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Hexachlorobutadiene	ND		74	8.2	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Hexachlorocyclopentadiene	ND		360	40	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Indeno[1,2,3-cd]pyrene	**490**		74	7.6	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Isophorone	ND		360	28	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
2-Methylnaphthalene	**51**	**J**	74	6.6	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Naphthalene	**180**		74	6.3	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
N-Nitrosodi-n-propylamine	ND		74	8.6	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
2,2'-oxybis[1-chloropropane]	ND		74	7.9	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Phenanthrene	**370**		74	12	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Phenol	ND		74	8.7	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
Pyrene	**750**		74	7.4	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
2,3,4,6-Tetrachlorophenol	ND		360	24	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1

Client Sample ID: DUP-14
Lab Sample ID: 180-35818-78

Date Collected: 08/14/14 00:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 90.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/27/14 14:49	08/28/14 22:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown PAH	*200*	*T J*	*ug/Kg*	☼	*12.44*		*08/27/14 14:49*	*08/28/14 22:51*	*1*
Unknown Amide	*200*	*T J*	*ug/Kg*	☼	*12.85*		*08/27/14 14:49*	*08/28/14 22:51*	*1*
Unknown	*480*	*T J*	*ug/Kg*	☼	*16.57*		*08/27/14 14:49*	*08/28/14 22:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*35 - 105*	*08/27/14 14:49*	*08/28/14 22:51*	*1*
2-Fluorophenol (Surr)	*69*		*39 - 103*	*08/27/14 14:49*	*08/28/14 22:51*	*1*
Nitrobenzene-d5 (Surr)	*72*		*25 - 104*	*08/27/14 14:49*	*08/28/14 22:51*	*1*
Phenol-d5 (Surr)	*72*		*25 - 105*	*08/27/14 14:49*	*08/28/14 22:51*	*1*
Terphenyl-d14 (Surr)	*72*		*25 - 127*	*08/27/14 14:49*	*08/28/14 22:51*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*35 - 124*	*08/27/14 14:49*	*08/28/14 22:51*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
alpha-BHC	**0.43**	**J p**	1.9	0.30	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
4,4'-DDD	**0.33**	**J p**	1.9	0.24	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
Methoxychlor	ND		3.7	0.38	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1
Toxaphene	ND		74	12	ug/Kg	☼	08/27/14 18:10	08/29/14 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*	*08/27/14 18:10*	*08/29/14 15:20*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*08/27/14 18:10*	*08/29/14 15:20*	*1*
Tetrachloro-m-xylene	*83*		*45 - 130*	*08/27/14 18:10*	*08/29/14 15:20*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/27/14 18:10*	*08/29/14 15:20*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/27/14 18:10	08/28/14 22:58	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/27/14 18:10	08/28/14 22:58	1
PCB-1232	ND		18	3.2	ug/Kg	☼	08/27/14 18:10	08/28/14 22:58	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/27/14 18:10	08/28/14 22:58	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: DUP-14
Date Collected: 08/14/14 00:00
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-78
Matrix: Solid
Percent Solids: 90.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		18	1.7	ug/Kg	☼	08/27/14 18:10	08/28/14 22:58	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/27/14 18:10	08/28/14 22:58	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/27/14 18:10	08/28/14 22:58	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/27/14 18:10	08/28/14 22:58	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/27/14 18:10	08/28/14 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/27/14 18:10*	*08/28/14 22:58*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/27/14 18:10*	*08/28/14 23:29*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*45 - 135*	*08/27/14 18:10*	*08/28/14 22:58*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*45 - 135*	*08/27/14 18:10*	*08/28/14 23:29*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6900**		21	2.2	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Antimony	**1.1**		1.1	0.21	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Arsenic	**7.0**		1.1	0.32	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Barium	**53**		21	0.013	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Beryllium	**0.32**	**J**	0.42	0.012	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Cadmium	**0.11**	**J B**	0.53	0.015	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Calcium	**4700**		530	1.6	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Chromium	**8.4**		0.53	0.081	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Cobalt	**6.6**		5.3	0.044	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Copper	**31**		2.6	0.15	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Iron	**17000**	**B**	11	0.94	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Lead	**45**		1.1	0.11	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Magnesium	**1800**		530	2.2	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Manganese	**510**		1.6	0.094	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Nickel	**14**	**B**	4.2	0.050	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Potassium	**540**		530	6.7	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Selenium	**0.47**	**J**	1.1	0.28	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Silver	ND		0.53	0.043	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Sodium	**110**	**J**	530	1.1	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Vanadium	**11**		5.3	0.18	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1
Zinc	**63**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:07	08/27/14 15:14	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.047**		0.036	0.012	mg/Kg	☼	08/27/14 09:15	08/27/14 15:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.7**		0.10	0.10	%			08/18/14 16:00	1
Percent Solids	**90**		0.10	0.10	%			08/18/14 16:00	1
Cyanide, Total	**0.41**	**J**	0.55	0.16	mg/Kg	☼	08/27/14 07:00	08/27/14 10:00	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-2
Project/Site: Former Sperry Remington Site - North

Client Sample ID: DUP-15 **Lab Sample ID: 180-35818-79**
Date Collected: 08/14/14 00:00 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 89.4**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.8	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Benzene	ND		4.8	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Bromoform	ND		4.8	0.43	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Bromomethane	ND		4.8	0.72	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
2-Butanone (MEK)	ND		4.8	0.85	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Carbon disulfide	ND		4.8	0.50	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Carbon tetrachloride	ND	*	4.8	0.43	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Chlorobenzene	ND		4.8	0.73	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Chlorobromomethane	ND		4.8	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Chlorodibromomethane	ND		4.8	0.69	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Chloroethane	ND		4.8	1.5	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Chloroform	ND		4.8	0.57	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Chloromethane	ND		4.8	0.83	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
cis-1,2-Dichloroethene	ND		4.8	0.68	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
cis-1,3-Dichloropropene	ND		4.8	0.66	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Cyclohexane	ND		4.8	0.36	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
1,2-Dibromo-3-Chloropropane	ND		4.8	0.73	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
1,2-Dibromoethane	ND		4.8	0.84	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
1,2-Dichlorobenzene	ND		4.8	0.77	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
1,3-Dichlorobenzene	ND		4.8	0.64	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
1,4-Dichlorobenzene	ND		4.8	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Dichlorobromomethane	ND		4.8	0.54	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Dichlorodifluoromethane	ND		4.8	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
1,1-Dichloroethane	ND		4.8	0.56	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
1,2-Dichloroethane	ND		4.8	0.59	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
1,1-Dichloroethene	ND		4.8	0.82	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
1,2-Dichloropropane	ND		4.8	0.53	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
1,4-Dioxane	ND		970	270	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Ethylbenzene	ND		4.8	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
2-Hexanone	ND		4.8	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Isopropylbenzene	ND		4.8	0.66	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Methyl acetate	ND		4.8	0.87	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Methylcyclohexane	ND		4.8	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Methylene Chloride	ND		4.8	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
4-Methyl-2-pentanone (MIBK)	ND		4.8	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Methyl tert-butyl ether	ND		4.8	0.72	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
m-Xylene & p-Xylene	ND		9.7	1.4	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
o-Xylene	ND		4.8	0.76	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Styrene	ND		4.8	0.68	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
1,1,2,2-Tetrachloroethane	ND		4.8	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Tetrachloroethene	ND		4.8	0.66	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Toluene	ND		4.8	0.71	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
trans-1,2-Dichloroethene	ND	*	4.8	0.58	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
trans-1,3-Dichloropropene	ND		4.8	0.58	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
1,2,3-Trichlorobenzene	ND		4.8	0.82	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
1,2,4-Trichlorobenzene	ND		4.8	0.86	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
1,1,1-Trichloroethane	ND	*	4.8	0.47	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
1,1,2-Trichloroethane	ND		4.8	0.81	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Trichloroethene	ND		4.8	0.64	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1

Client Sample ID: DUP-15
Lab Sample ID: 180-35818-79
Date Collected: 08/14/14 00:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.8	0.89	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.8	1.0	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1
Vinyl chloride	ND		4.8	0.46	ug/Kg	☼	08/22/14 20:52	08/23/14 02:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 20:52*	*08/23/14 02:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 120*	*08/22/14 20:52*	*08/23/14 02:35*	*1*
Dibromofluoromethane (Surr)	*109*		*68 - 121*	*08/22/14 20:52*	*08/23/14 02:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*52 - 124*	*08/22/14 20:52*	*08/23/14 02:35*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*08/22/14 20:52*	*08/23/14 02:35*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	7.2	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Acenaphthylene	ND		75	8.5	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Acetophenone	ND		370	31	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Anthracene	ND		75	7.3	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Atrazine	ND		370	36	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Benzo[a]anthracene	ND		75	9.4	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Benzo[a]pyrene	ND		75	7.5	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Benzo[b]fluoranthene	ND		75	12	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Benzo[g,h,i]perylene	ND		75	7.4	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Benzo[k]fluoranthene	ND		75	15	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Bis(2-ethylhexyl) phthalate	ND		750	60	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Carbazole	ND		75	6.9	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
2-Chloronaphthalene	ND		75	7.8	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
2-Chlorophenol	ND		370	31	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Chrysene	ND		75	8.9	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Dibenz(a,h)anthracene	ND		75	8.3	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
2,4-Dichlorophenol	ND		75	7.5	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1

Client Sample ID: DUP-15
Date Collected: 08/14/14 00:00
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-79
Matrix: Solid
Percent Solids: 89.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
2,6-Dinitrotoluene	ND		370	39	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Fluoranthene	ND		75	8.0	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Fluorene	ND		75	9.8	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Hexachlorobenzene	ND		75	8.0	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Hexachlorobutadiene	ND		75	8.4	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Indeno[1,2,3-cd]pyrene	ND		75	7.7	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Isophorone	ND		370	28	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
2-Methylnaphthalene	ND		75	6.7	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Methylphenol, 3 & 4	ND		370	37	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Naphthalene	ND		75	6.4	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
N-Nitrosodi-n-propylamine	ND		75	8.8	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
2,2'-oxybis[1-chloropropane]	ND		75	8.1	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Phenanthrene	ND		75	12	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Phenol	ND		75	8.8	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
Pyrene	ND		75	7.5	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/27/14 14:49	08/28/14 23:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*210*	*T J*	*ug/Kg*	☼	*12.85*		*08/27/14 14:49*	*08/28/14 23:20*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*13.00*		*08/27/14 14:49*	*08/28/14 23:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*08/27/14 14:49*	*08/28/14 23:20*	*1*
2-Fluorophenol (Surr)	*65*		*39 - 103*	*08/27/14 14:49*	*08/28/14 23:20*	*1*
Nitrobenzene-d5 (Surr)	*67*		*25 - 104*	*08/27/14 14:49*	*08/28/14 23:20*	*1*
Phenol-d5 (Surr)	*69*		*25 - 105*	*08/27/14 14:49*	*08/28/14 23:20*	*1*
Terphenyl-d14 (Surr)	*69*		*25 - 127*	*08/27/14 14:49*	*08/28/14 23:20*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*35 - 124*	*08/27/14 14:49*	*08/28/14 23:20*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: DUP-15
Date Collected: 08/14/14 00:00
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-79
Matrix: Solid
Percent Solids: 89.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
Endrin	ND		1.9	0.36	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
Endrin aldehyde	ND		1.9	0.36	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
gamma-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1
Toxaphene	ND		74	12	ug/Kg	☼	08/27/14 18:10	08/29/14 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 130*	*08/27/14 18:10*	*08/29/14 16:07*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*08/27/14 18:10*	*08/29/14 16:07*	*1*
Tetrachloro-m-xylene	*93*		*45 - 130*	*08/27/14 18:10*	*08/29/14 16:07*	*1*
Tetrachloro-m-xylene	*89*		*45 - 130*	*08/27/14 18:10*	*08/29/14 16:07*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/27/14 18:10	08/29/14 01:03	1
PCB-1221	ND		19	3.5	ug/Kg	☼	08/27/14 18:10	08/29/14 01:03	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/27/14 18:10	08/29/14 01:03	1
PCB-1242	ND		19	3.0	ug/Kg	☼	08/27/14 18:10	08/29/14 01:03	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/27/14 18:10	08/29/14 01:03	1
PCB-1254	ND		19	2.6	ug/Kg	☼	08/27/14 18:10	08/29/14 01:03	1
PCB-1260	ND		19	2.6	ug/Kg	☼	08/27/14 18:10	08/29/14 01:03	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/27/14 18:10	08/29/14 01:03	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/27/14 18:10	08/29/14 01:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/27/14 18:10*	*08/29/14 00:32*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/27/14 18:10*	*08/29/14 01:03*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*45 - 135*	*08/27/14 18:10*	*08/29/14 00:32*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*45 - 135*	*08/27/14 18:10*	*08/29/14 01:03*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6400**		23	2.4	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Antimony	ND		1.1	0.23	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Arsenic	**7.3**		1.1	0.35	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Barium	**46**		23	0.014	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1

Client Sample Results

Client Sample ID: DUP-15
Lab Sample ID: 180-35818-79

Date Collected: 08/14/14 00:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 89.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.30**	**J**	0.45	0.013	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Cadmium	**0.075**	**J B**	0.57	0.016	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Calcium	**11000**		570	1.7	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Chromium	**8.2**		0.57	0.087	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Cobalt	**5.8**		5.7	0.047	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Copper	**19**		2.8	0.16	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Iron	**15000**	**B**	11	1.0	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Lead	**8.2**		1.1	0.12	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Magnesium	**6800**		570	2.3	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Manganese	**440**		1.7	0.10	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Nickel	**14**	**B**	4.5	0.054	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Potassium	**670**		570	7.2	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Selenium	**0.52**	**J**	1.1	0.30	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Silver	ND		0.57	0.046	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Sodium	**190**	**J**	570	1.2	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Vanadium	**12**		5.7	0.20	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1
Zinc	**46**	**B**	2.3	0.12	mg/Kg	☼	08/21/14 13:07	08/27/14 15:20	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.013**	**J**	0.036	0.012	mg/Kg	☼	08/27/14 09:15	08/27/14 15:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**89**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	ND		0.55	0.16	mg/Kg	☼	08/27/14 07:00	08/27/14 10:00	1

Client Sample ID: DUP-16
Lab Sample ID: 180-35818-80

Date Collected: 08/14/14 00:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 94.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.5	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Benzene	ND		4.5	0.60	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Bromoform	ND		4.5	0.39	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Bromomethane	ND		4.5	0.66	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
2-Butanone (MEK)	ND		4.5	0.79	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Carbon disulfide	ND		4.5	0.46	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Carbon tetrachloride	ND	*	4.5	0.40	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Chlorobenzene	ND		4.5	0.68	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Chlorobromomethane	ND		4.5	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Chlorodibromomethane	ND		4.5	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Chloroethane	ND		4.5	1.4	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Chloroform	ND		4.5	0.52	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Chloromethane	ND		4.5	0.76	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
cis-1,2-Dichloroethene	ND		4.5	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
cis-1,3-Dichloropropene	ND		4.5	0.60	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1

Client Sample ID: DUP-16 **Lab Sample ID: 180-35818-80**
Date Collected: 08/14/14 00:00 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 94.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		4.5	0.33	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
1,2-Dibromo-3-Chloropropane	ND		4.5	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
1,2-Dibromoethane	ND		4.5	0.77	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
1,2-Dichlorobenzene	ND		4.5	0.71	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
1,3-Dichlorobenzene	ND		4.5	0.59	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
1,4-Dichlorobenzene	ND		4.5	0.57	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Dichlorobromomethane	ND		4.5	0.50	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Dichlorodifluoromethane	ND		4.5	0.59	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
1,1-Dichloroethane	ND		4.5	0.51	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
1,2-Dichloroethane	ND		4.5	0.55	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
1,1-Dichloroethene	ND		4.5	0.76	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
1,2-Dichloropropane	ND		4.5	0.48	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
1,4-Dioxane	ND		890	250	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Ethylbenzene	ND		4.5	0.57	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
2-Hexanone	ND		4.5	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Isopropylbenzene	ND		4.5	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Methyl acetate	ND		4.5	0.80	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Methylcyclohexane	ND		4.5	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Methylene Chloride	ND		4.5	0.60	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
4-Methyl-2-pentanone (MIBK)	ND		4.5	0.58	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Methyl tert-butyl ether	ND		4.5	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
m-Xylene & p-Xylene	ND		8.9	1.3	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
o-Xylene	ND		4.5	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Styrene	ND		4.5	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
1,1,2,2-Tetrachloroethane	ND		4.5	0.64	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Tetrachloroethene	ND		4.5	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Toluene	ND		4.5	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
trans-1,2-Dichloroethene	ND	*	4.5	0.53	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
trans-1,3-Dichloropropene	ND		4.5	0.53	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
1,2,3-Trichlorobenzene	ND		4.5	0.75	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
1,2,4-Trichlorobenzene	ND		4.5	0.79	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
1,1,1-Trichloroethane	ND	*	4.5	0.43	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
1,1,2-Trichloroethane	ND		4.5	0.74	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Trichloroethene	**1.1**	**J**	4.5	0.59	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Trichlorofluoromethane	ND		4.5	0.82	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**9.2**	*****	4.5	0.95	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1
Vinyl chloride	ND		4.5	0.42	ug/Kg	☼	08/22/14 20:52	08/23/14 02:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 20:52*	*08/23/14 02:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*	*08/22/14 20:52*	*08/23/14 02:56*	*1*
Dibromofluoromethane (Surr)	*110*		*68 - 121*	*08/22/14 20:52*	*08/23/14 02:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*52 - 124*	*08/22/14 20:52*	*08/23/14 02:56*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/22/14 20:52*	*08/23/14 02:56*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: DUP-16

Date Collected: 08/14/14 00:00
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-80
Matrix: Solid
Percent Solids: 94.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	6.8	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Acenaphthylene	ND		71	8.1	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Acetophenone	ND		350	29	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Anthracene	ND		71	6.9	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Atrazine	ND		350	35	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Benzo[a]anthracene	ND		71	8.9	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Benzo[a]pyrene	ND		71	7.1	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Benzo[b]fluoranthene	ND		71	11	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Benzo[g,h,i]perylene	ND		71	7.1	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Benzo[k]fluoranthene	ND		71	14	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Bis(2-chloroethyl)ether	ND		71	9.5	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Bis(2-ethylhexyl) phthalate	ND		710	57	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Carbazole	ND		71	6.5	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
2-Chloronaphthalene	ND		71	7.4	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Chrysene	ND		71	8.4	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Dibenz(a,h)anthracene	ND		71	7.9	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
2,4-Dichlorophenol	ND		71	7.1	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
1,4-Dioxane	ND		710	41	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Fluoranthene	ND		71	7.6	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Fluorene	ND		71	9.3	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Hexachlorobenzene	ND		71	7.6	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Hexachlorobutadiene	ND		71	7.9	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Indeno[1,2,3-cd]pyrene	ND		71	7.3	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Isophorone	ND		350	27	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
2-Methylnaphthalene	ND		71	6.4	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: DUP-16

Date Collected: 08/14/14 00:00
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-80
Matrix: Solid
Percent Solids: 94.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Naphthalene	ND		71	6.1	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Nitrobenzene	ND		710	30	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
N-Nitrosodi-n-propylamine	ND		71	8.3	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
2,2'-oxybis[1-chloropropane]	ND		71	7.7	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Phenanthrene	ND		71	11	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Phenol	ND		71	8.4	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
Pyrene	ND		71	7.2	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/27/14 14:49	08/28/14 23:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*210*	*T J*	*ug/Kg*	☼	*10.29*		*08/27/14 14:49*	*08/28/14 23:49*	*1*
Unknown	*670*	*T J*	*ug/Kg*	☼	*12.86*		*08/27/14 14:49*	*08/28/14 23:49*	*1*
Unknown	*390*	*T J*	*ug/Kg*	☼	*12.90*		*08/27/14 14:49*	*08/28/14 23:49*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*13.00*		*08/27/14 14:49*	*08/28/14 23:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*08/27/14 14:49*	*08/28/14 23:49*	*1*
2-Fluorophenol (Surr)	*71*		*39 - 103*	*08/27/14 14:49*	*08/28/14 23:49*	*1*
Nitrobenzene-d5 (Surr)	*72*		*25 - 104*	*08/27/14 14:49*	*08/28/14 23:49*	*1*
Phenol-d5 (Surr)	*73*		*25 - 105*	*08/27/14 14:49*	*08/28/14 23:49*	*1*
Terphenyl-d14 (Surr)	*72*		*25 - 127*	*08/27/14 14:49*	*08/28/14 23:49*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*35 - 124*	*08/27/14 14:49*	*08/28/14 23:49*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1

Client Sample ID: DUP-16
Lab Sample ID: 180-35818-80
Date Collected: 08/14/14 00:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 94.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1
Toxaphene	ND		71	12	ug/Kg	☼	08/27/14 18:10	08/29/14 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*08/27/14 18:10*	*08/29/14 16:22*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*08/27/14 18:10*	*08/29/14 16:22*	*1*
Tetrachloro-m-xylene	*90*		*45 - 130*	*08/27/14 18:10*	*08/29/14 16:22*	*1*
Tetrachloro-m-xylene	*87*		*45 - 130*	*08/27/14 18:10*	*08/29/14 16:22*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/27/14 18:10	08/29/14 01:35	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/27/14 18:10	08/29/14 01:35	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/27/14 18:10	08/29/14 01:35	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/27/14 18:10	08/29/14 01:35	1
PCB-1248	**7.8**	**J**	18	1.7	ug/Kg	☼	08/27/14 18:10	08/29/14 01:35	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/27/14 18:10	08/29/14 01:35	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/27/14 18:10	08/29/14 01:35	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/27/14 18:10	08/29/14 01:35	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/27/14 18:10	08/29/14 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/27/14 18:10*	*08/29/14 01:03*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/27/14 18:10*	*08/29/14 01:35*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*	*08/27/14 18:10*	*08/29/14 01:03*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*45 - 135*	*08/27/14 18:10*	*08/29/14 01:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4700**		19	2.0	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Antimony	ND		0.94	0.19	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Arsenic	**6.8**		0.94	0.29	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Barium	**46**		19	0.012	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Beryllium	**0.19**	**J**	0.38	0.011	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Cadmium	**0.075**	**J B**	0.47	0.013	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Calcium	**49000**		470	1.4	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Chromium	**6.4**		0.47	0.073	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Cobalt	**4.6**	**J**	4.7	0.039	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Copper	**25**		2.4	0.14	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Iron	**11000**	**B**	9.4	0.83	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Lead	**4.8**		0.94	0.096	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Magnesium	**11000**		470	1.9	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Manganese	**500**		1.4	0.084	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Nickel	**19**	**B**	3.8	0.045	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Potassium	**550**		470	6.0	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1

Client Sample ID: DUP-16

Lab Sample ID: 180-35818-80
Date Collected: 08/14/14 00:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 94.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.94	0.25	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Silver	ND		0.47	0.038	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Sodium	**75**	**J**	470	1.0	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Thallium	ND		1.9	0.14	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Vanadium	**8.2**		4.7	0.16	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1
Zinc	**42**	**B**	1.9	0.097	mg/Kg	☼	08/21/14 13:07	08/27/14 15:25	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.011	mg/Kg	☼	08/27/14 09:15	08/27/14 15:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.9**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**94**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	**0.81**		0.52	0.15	mg/Kg	☼	08/27/14 07:00	08/27/14 10:08	1

Client Sample ID: DUP-17

Lab Sample ID: 180-35818-81
Date Collected: 08/14/14 00:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 85.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		42	10	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Benzene	ND		10	1.4	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Bromoform	ND		10	0.92	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Bromomethane	ND		10	1.5	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
2-Butanone (MEK)	ND		10	1.8	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Carbon disulfide	ND		10	1.1	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Carbon tetrachloride	ND	*	10	0.93	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Chlorobenzene	ND		10	1.6	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Chlorobromomethane	ND		10	1.4	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Chlorodibromomethane	ND		10	1.5	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Chloroethane	ND		10	3.2	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Chloroform	ND		10	1.2	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Chloromethane	ND		10	1.8	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
cis-1,2-Dichloroethene	ND		10	1.5	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
cis-1,3-Dichloropropene	ND		10	1.4	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Cyclohexane	ND		10	0.77	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
1,2-Dibromo-3-Chloropropane	ND		10	1.6	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
1,2-Dibromoethane	ND		10	1.8	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
1,2-Dichlorobenzene	ND		10	1.7	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
1,3-Dichlorobenzene	ND		10	1.4	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
1,4-Dichlorobenzene	ND		10	1.3	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Dichlorobromomethane	ND		10	1.2	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Dichlorodifluoromethane	ND		10	1.4	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
1,1-Dichloroethane	ND		10	1.2	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
1,2-Dichloroethane	ND		10	1.3	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
1,1-Dichloroethene	ND		10	1.8	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
1,2-Dichloropropane	ND		10	1.1	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1

Client Sample ID: DUP-17 **Lab Sample ID: 180-35818-81**
Date Collected: 08/14/14 00:00 **Matrix: Solid**
Date Received: 08/15/14 09:10 **Percent Solids: 85.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		2100	580	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Ethylbenzene	ND		10	1.3	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
2-Hexanone	ND		10	1.4	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Isopropylbenzene	ND		10	1.4	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Methyl acetate	ND		10	1.9	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Methylcyclohexane	ND		10	1.5	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Methylene Chloride	ND		10	1.4	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
4-Methyl-2-pentanone (MIBK)	ND		10	1.4	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Methyl tert-butyl ether	ND		10	1.6	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
m-Xylene & p-Xylene	ND		21	3.1	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
o-Xylene	ND		10	1.6	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Styrene	ND		10	1.5	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
1,1,2,2-Tetrachloroethane	ND		10	1.5	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Tetrachloroethene	ND		10	1.4	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Toluene	ND		10	1.5	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
trans-1,2-Dichloroethene	ND	*	10	1.2	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
trans-1,3-Dichloropropene	ND		10	1.2	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
1,2,3-Trichlorobenzene	ND		10	1.8	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
1,2,4-Trichlorobenzene	ND		10	1.8	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
1,1,1-Trichloroethane	ND	*	10	1.0	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
1,1,2-Trichloroethane	ND		10	1.7	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Trichloroethene	**3.3**	**J**	10	1.4	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Trichlorofluoromethane	ND		10	1.9	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	10	2.2	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1
Vinyl chloride	ND		10	0.98	ug/Kg	☼	08/22/14 20:52	08/23/14 03:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 20:52*	*08/23/14 03:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*08/22/14 20:52*	*08/23/14 03:19*	*1*
Dibromofluoromethane (Surr)	*122*	*X*	*68 - 121*	*08/22/14 20:52*	*08/23/14 03:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*52 - 124*	*08/22/14 20:52*	*08/23/14 03:19*	*1*
Toluene-d8 (Surr)	*119*		*72 - 127*	*08/22/14 20:52*	*08/23/14 03:19*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	7.5	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Acenaphthylene	ND		78	8.9	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Acetophenone	ND		390	32	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Anthracene	ND		78	7.6	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Atrazine	ND		390	38	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Benzaldehyde	**100**	**J ***	390	58	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Benzo[a]anthracene	**87**		78	9.8	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Benzo[a]pyrene	**48**	**J**	78	7.8	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Benzo[b]fluoranthene	**140**		78	12	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Benzo[g,h,i]perylene	**140**		78	7.7	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Benzo[k]fluoranthene	**35**	**J**	78	16	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
1,1'-Biphenyl	ND		390	35	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Bis(2-chloroethoxy)methane	ND		390	26	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1

Client Sample ID: DUP-17

Lab Sample ID: 180-35818-81

Date Collected: 08/14/14 00:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		78	10	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Bis(2-ethylhexyl) phthalate	ND		780	63	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
4-Bromophenyl phenyl ether	ND		390	34	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Butyl benzyl phthalate	ND		390	53	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Caprolactam	ND		2000	290	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Carbazole	ND		78	7.2	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
4-Chloroaniline	ND		390	31	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
4-Chloro-3-methylphenol	ND		390	36	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
2-Chloronaphthalene	ND		78	8.1	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
2-Chlorophenol	ND		390	32	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
4-Chlorophenyl phenyl ether	ND		390	43	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Chrysene	**230**		78	9.3	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Dibenz(a,h)anthracene	ND		78	8.7	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Dibenzofuran	**72**	**J**	390	38	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
3,3'-Dichlorobenzidine	ND		390	41	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
2,4-Dichlorophenol	ND		78	7.8	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Diethyl phthalate	ND		390	43	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
2,4-Dimethylphenol	ND		390	61	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Dimethyl phthalate	ND		390	42	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Di-n-butyl phthalate	ND		390	49	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
2,4-Dinitrophenol	ND		2000	460	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
2,4-Dinitrotoluene	ND		390	31	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
2,6-Dinitrotoluene	ND		390	40	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Di-n-octyl phthalate	ND		390	41	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
1,4-Dioxane	ND		780	45	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Fluoranthene	**140**		78	8.3	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Fluorene	ND		78	10	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Hexachlorobenzene	ND		78	8.3	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Hexachlorobutadiene	ND		78	8.7	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Hexachlorocyclopentadiene	ND		390	42	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Hexachloroethane	ND		390	28	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Indeno[1,2,3-cd]pyrene	**46**	**J**	78	8.0	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Isophorone	ND		390	29	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
2-Methylnaphthalene	**200**		78	7.0	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
2-Methylphenol	ND		390	27	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Methylphenol, 3 & 4	ND		390	38	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Naphthalene	**100**		78	6.7	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
2-Nitroaniline	ND		2000	170	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Nitrobenzene	ND		780	32	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
2-Nitrophenol	ND		390	43	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
4-Nitrophenol	ND		2000	140	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
N-Nitrosodi-n-propylamine	ND		78	9.1	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
N-Nitrosodiphenylamine	ND		390	36	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
2,2'-oxybis[1-chloropropane]	ND		78	8.4	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Pentachlorophenol	ND		390	35	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Phenanthrene	**400**		78	12	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1

Client Sample ID: DUP-17
Lab Sample ID: 180-35818-81
Date Collected: 08/14/14 00:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		78	9.2	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
Pyrene	**110**		78	7.9	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
1,2,4,5-Tetrachlorobenzene	ND		390	30	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
2,3,4,6-Tetrachlorophenol	ND		390	25	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
2,4,5-Trichlorophenol	ND		390	42	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1
2,4,6-Trichlorophenol	ND		390	58	ug/Kg	☼	08/27/14 17:43	08/29/14 07:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*440*	*T J*	*ug/Kg*	☼	*6.77*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown alkane	*380*	*T J*	*ug/Kg*	☼	*7.39*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown	*570*	*T J*	*ug/Kg*	☼	*7.79*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown alkane	*590*	*T J*	*ug/Kg*	☼	*7.94*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Benzocycloheptatriene	*390*	*T J N*	*ug/Kg*	☼	*8.16*	*264-09-5*	*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown alkane	*470*	*T J*	*ug/Kg*	☼	*8.46*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown	*960*	*T J*	*ug/Kg*	☼	*8.75*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown alkane	*550*	*T J*	*ug/Kg*	☼	*8.94*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown	*360*	*T J*	*ug/Kg*	☼	*9.25*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown alkane	*1000*	*T J*	*ug/Kg*	☼	*9.39*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown	*360*	*T J*	*ug/Kg*	☼	*9.60*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown alkane	*1400*	*T J*	*ug/Kg*	☼	*9.84*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown	*560*	*T J*	*ug/Kg*	☼	*10.15*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown alkane	*600*	*T J*	*ug/Kg*	☼	*10.23*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown	*430*	*T J*	*ug/Kg*	☼	*10.26*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown	*620*	*T J*	*ug/Kg*	☼	*10.62*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown	*520*	*T J*	*ug/Kg*	☼	*10.92*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Naphtho[2,3-b]norbornadiene	*430*	*T J N*	*ug/Kg*	☼	*11.00*	*1000210-52-3*	*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown alkane	*640*	*T J*	*ug/Kg*	☼	*11.03*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown alkane	*380*	*T J*	*ug/Kg*	☼	*11.46*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown	*400*	*T J*	*ug/Kg*	☼	*11.49*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown	*420*	*T J*	*ug/Kg*	☼	*11.92*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown	*600*	*T J*	*ug/Kg*	☼	*12.42*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown	*500*	*T J*	*ug/Kg*	☼	*12.83*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown	*410*	*T J*	*ug/Kg*	☼	*12.97*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown	*440*	*T J*	*ug/Kg*	☼	*13.56*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown	*420*	*T J*	*ug/Kg*	☼	*14.19*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown	*410*	*T J*	*ug/Kg*	☼	*14.84*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown	*480*	*T J*	*ug/Kg*	☼	*15.53*		*08/27/14 17:43*	*08/29/14 07:46*	*1*
Unknown	*800*	*T J*	*ug/Kg*	☼	*20.00*		*08/27/14 17:43*	*08/29/14 07:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*08/27/14 17:43*	*08/29/14 07:46*	*1*
2-Fluorophenol (Surr)	*69*		*39 - 103*	*08/27/14 17:43*	*08/29/14 07:46*	*1*
Nitrobenzene-d5 (Surr)	*79*		*25 - 104*	*08/27/14 17:43*	*08/29/14 07:46*	*1*
Phenol-d5 (Surr)	*64*		*25 - 105*	*08/27/14 17:43*	*08/29/14 07:46*	*1*
Terphenyl-d14 (Surr)	*69*		*25 - 127*	*08/27/14 17:43*	*08/29/14 07:46*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*35 - 124*	*08/27/14 17:43*	*08/29/14 07:46*	*1*

Client Sample ID: DUP-17
Lab Sample ID: 180-35818-81
Date Collected: 08/14/14 00:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 85.7

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.35	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
alpha-BHC	ND		2.0	0.32	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
alpha-Chlordane	ND		2.0	0.39	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
beta-BHC	ND		2.0	0.50	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
4,4'-DDD	**0.45**	**J**	2.0	0.25	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
4,4'-DDE	ND		2.0	0.29	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
4,4'-DDT	ND		2.0	0.29	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
delta-BHC	ND		2.0	0.30	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
Dieldrin	ND		2.0	0.32	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
Endosulfan I	ND		2.0	0.37	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
Endosulfan II	ND		2.0	0.34	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
Endosulfan sulfate	ND		2.0	0.20	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
Endrin	ND		2.0	0.38	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
Endrin aldehyde	ND		2.0	0.38	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
Endrin ketone	ND		2.0	0.30	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
gamma-BHC (Lindane)	ND		2.0	0.34	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
gamma-Chlordane	ND		2.0	0.38	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
Heptachlor	ND		2.0	0.43	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
Heptachlor epoxide	ND		2.0	0.38	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
Methoxychlor	ND		3.9	0.41	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1
Toxaphene	ND		78	13	ug/Kg	☼	08/27/14 18:10	08/29/14 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/27/14 18:10*	*08/29/14 16:38*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/27/14 18:10*	*08/29/14 16:38*	*1*
Tetrachloro-m-xylene	*78*		*45 - 130*	*08/27/14 18:10*	*08/29/14 16:38*	*1*
Tetrachloro-m-xylene	*74*		*45 - 130*	*08/27/14 18:10*	*08/29/14 16:38*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.9	ug/Kg	☼	08/27/14 18:10	08/29/14 03:09	1
PCB-1221	ND		19	3.7	ug/Kg	☼	08/27/14 18:10	08/29/14 03:09	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/27/14 18:10	08/29/14 03:09	1
PCB-1242	ND		19	3.2	ug/Kg	☼	08/27/14 18:10	08/29/14 03:09	1
PCB-1248	**14**	**J**	19	1.8	ug/Kg	☼	08/27/14 18:10	08/29/14 03:09	1
PCB-1254	ND		19	2.8	ug/Kg	☼	08/27/14 18:10	08/29/14 03:09	1
PCB-1260	ND		19	2.8	ug/Kg	☼	08/27/14 18:10	08/29/14 03:40	1
PCB-1262	ND		19	4.3	ug/Kg	☼	08/27/14 18:10	08/29/14 03:09	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/27/14 18:10	08/29/14 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 125*	*08/27/14 18:10*	*08/29/14 03:09*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*	*08/27/14 18:10*	*08/29/14 03:40*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*	*08/27/14 18:10*	*08/29/14 03:09*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*45 - 135*	*08/27/14 18:10*	*08/29/14 03:40*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3100**		22	2.3	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Antimony	**4.6**		1.1	0.22	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1

Client Sample ID: DUP-17

Lab Sample ID: 180-35818-81

Date Collected: 08/14/14 00:00

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 85.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**20**		1.1	0.33	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Barium	**110**		22	0.014	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Beryllium	**0.81**		0.44	0.012	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Cadmium	**0.14**	**J B**	0.55	0.016	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Calcium	**2300**		550	1.6	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Chromium	**9.3**		0.55	0.084	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Cobalt	**11**		5.5	0.046	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Copper	**74**		2.7	0.16	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Iron	**32000**	**B**	11	0.97	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Lead	**120**		1.1	0.11	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Magnesium	**390**	**J**	550	2.3	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Manganese	**200**		1.6	0.097	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Nickel	**20**	**B**	4.4	0.052	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Potassium	**470**	**J**	550	7.0	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Selenium	**1.9**		1.1	0.29	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Silver	ND		0.55	0.044	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Sodium	**220**	**J**	550	1.2	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Vanadium	**20**		5.5	0.19	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1
Zinc	**69**	**B**	2.2	0.11	mg/Kg	☼	08/21/14 13:07	08/27/14 15:30	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.065**		0.038	0.013	mg/Kg	☼	08/27/14 09:17	08/27/14 15:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**86**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	**0.31**	**J**	0.58	0.17	mg/Kg	☼	08/27/14 07:00	08/27/14 10:08	1

Client Sample ID: DUP-18

Lab Sample ID: 180-35818-82

Date Collected: 08/14/14 00:00

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 88.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Benzene	ND		5.0	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Bromoform	ND		5.0	0.44	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Bromomethane	ND		5.0	0.73	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Carbon disulfide	ND		5.0	0.51	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Carbon tetrachloride	ND	*	5.0	0.44	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Chlorobenzene	ND		5.0	0.75	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Chlorobromomethane	ND		5.0	0.68	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Chloroethane	ND		5.0	1.5	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Chloroform	ND		5.0	0.58	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Chloromethane	ND		5.0	0.85	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1

Client Sample Results

Client Sample ID: DUP-18
Date Collected: 08/14/14 00:00
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-82
Matrix: Solid
Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
cis-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Cyclohexane	ND		5.0	0.37	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.74	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
1,2-Dichlorobenzene	ND		5.0	0.79	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
1,3-Dichlorobenzene	ND		5.0	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
1,4-Dichlorobenzene	ND		5.0	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Dichlorodifluoromethane	ND		5.0	0.66	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
1,1-Dichloroethane	ND		5.0	0.57	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
1,1-Dichloroethene	ND		5.0	0.84	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
1,4-Dioxane	ND		990	270	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Ethylbenzene	ND		5.0	0.64	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
2-Hexanone	ND		5.0	0.69	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Isopropylbenzene	ND		5.0	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Methyl acetate	ND		5.0	0.90	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Methylcyclohexane	ND		5.0	0.72	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Methylene Chloride	ND		5.0	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Methyl tert-butyl ether	ND		5.0	0.74	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
m-Xylene & p-Xylene	ND		9.9	1.5	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
o-Xylene	ND		5.0	0.77	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Styrene	ND		5.0	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.71	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Toluene	ND		5.0	0.73	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
trans-1,2-Dichloroethene	ND	*	5.0	0.59	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
trans-1,3-Dichloropropene	ND		5.0	0.59	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
1,1,1-Trichloroethane	ND	*	5.0	0.48	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Trichloroethene	ND		5.0	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Trichlorofluoromethane	ND		5.0	0.91	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.0	1.1	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1
Vinyl chloride	ND		5.0	0.47	ug/Kg	☼	08/22/14 20:52	08/23/14 03:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 20:52*	*08/23/14 03:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*63 - 120*	*08/22/14 20:52*	*08/23/14 03:41*	*1*
Dibromofluoromethane (Surr)	*114*		*68 - 121*	*08/22/14 20:52*	*08/23/14 03:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*52 - 124*	*08/22/14 20:52*	*08/23/14 03:41*	*1*
Toluene-d8 (Surr)	*116*		*72 - 127*	*08/22/14 20:52*	*08/23/14 03:41*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: DUP-18
Date Collected: 08/14/14 00:00
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-82
Matrix: Solid
Percent Solids: 88.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		370	36	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Acenaphthylene	ND		370	43	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Acetophenone	ND		1800	150	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Anthracene	**86**	**J**	370	36	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Atrazine	ND		1800	180	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Benzaldehyde	ND	*	1800	280	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Benzo[a]anthracene	**240**	**J**	370	47	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Benzo[a]pyrene	**190**	**J**	370	37	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Benzo[b]fluoranthene	**220**	**J**	370	59	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Benzo[g,h,i]perylene	**190**	**J**	370	37	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Benzo[k]fluoranthene	**200**	**J**	370	75	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
1,1'-Biphenyl	ND		1800	170	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Bis(2-chloroethoxy)methane	ND		1800	120	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Bis(2-chloroethyl)ether	ND		370	50	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Bis(2-ethylhexyl) phthalate	ND		3700	300	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
4-Bromophenyl phenyl ether	ND		1800	160	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Butyl benzyl phthalate	ND		1800	250	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Caprolactam	ND		9500	1400	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Carbazole	ND		370	34	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
4-Chloroaniline	ND		1800	150	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
4-Chloro-3-methylphenol	ND		1800	170	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
2-Chloronaphthalene	ND		370	39	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
2-Chlorophenol	ND		1800	150	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
4-Chlorophenyl phenyl ether	ND		1800	210	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Chrysene	**300**	**J**	370	44	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Dibenz(a,h)anthracene	ND		370	41	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Dibenzofuran	ND		1800	180	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
3,3'-Dichlorobenzidine	ND		1800	200	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
2,4-Dichlorophenol	ND		370	37	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Diethyl phthalate	ND		1800	200	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
2,4-Dimethylphenol	ND		1800	290	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Dimethyl phthalate	ND		1800	200	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Di-n-butyl phthalate	ND		1800	230	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
4,6-Dinitro-2-methylphenol	ND		9500	750	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
2,4-Dinitrophenol	ND		9500	2200	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
2,4-Dinitrotoluene	ND		1800	150	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
2,6-Dinitrotoluene	ND		1800	190	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Di-n-octyl phthalate	ND		1800	200	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
1,4-Dioxane	ND		3700	210	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Fluoranthene	**330**	**J**	370	40	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Fluorene	ND		370	49	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Hexachlorobenzene	ND		370	40	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Hexachlorobutadiene	ND		370	42	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Hexachlorocyclopentadiene	ND		1800	200	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Hexachloroethane	ND		1800	130	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Indeno[1,2,3-cd]pyrene	**180**	**J**	370	38	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Isophorone	ND		1800	140	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
2-Methylnaphthalene	**330**	**J**	370	33	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
2-Methylphenol	ND		1800	130	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5

Client Sample Results

Client Sample ID: DUP-18

Lab Sample ID: 180-35818-82

Date Collected: 08/14/14 00:00
Matrix: Solid
Date Received: 08/15/14 09:10
Percent Solids: 88.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		1800	180	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Naphthalene	**260**	**J**	370	32	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
2-Nitroaniline	ND		9500	830	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
3-Nitroaniline	ND		9500	770	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
4-Nitroaniline	ND		9500	750	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Nitrobenzene	ND		3700	160	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
2-Nitrophenol	ND		1800	210	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
4-Nitrophenol	ND		9500	680	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
N-Nitrosodi-n-propylamine	ND		370	44	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
N-Nitrosodiphenylamine	ND		1800	170	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
2,2'-oxybis[1-chloropropane]	ND		370	40	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Pentachlorophenol	ND		1800	170	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Phenanthrene	**300**	**J**	370	59	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Phenol	ND		370	44	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
Pyrene	**320**	**J**	370	38	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
1,2,4,5-Tetrachlorobenzene	ND		1800	140	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
2,3,4,6-Tetrachlorophenol	ND		1800	120	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
2,4,5-Trichlorophenol	ND		1800	200	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5
2,4,6-Trichlorophenol	ND		1800	280	ug/Kg	☼	08/27/14 17:43	08/29/14 08:12	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1400*	*T J*	*ug/Kg*	☼	*1.45*		*08/27/14 17:43*	*08/29/14 08:12*	*5*
Unknown Substituted Biphenyl	*2000*	*T J*	*ug/Kg*	☼	*10.33*		*08/27/14 17:43*	*08/29/14 08:12*	*5*
Unknown	*940*	*T J*	*ug/Kg*	☼	*10.34*		*08/27/14 17:43*	*08/29/14 08:12*	*5*
Unknown Substituted Biphenyl	*1200*	*T J*	*ug/Kg*	☼	*10.49*		*08/27/14 17:43*	*08/29/14 08:12*	*5*
Unknown Substituted Biphenyl	*4500*	*T J*	*ug/Kg*	☼	*10.72*		*08/27/14 17:43*	*08/29/14 08:12*	*5*
Unknown Substituted Biphenyl	*1300*	*T J*	*ug/Kg*	☼	*10.79*		*08/27/14 17:43*	*08/29/14 08:12*	*5*
Unknown Substituted Biphenyl	*1000*	*T J*	*ug/Kg*	☼	*10.87*		*08/27/14 17:43*	*08/29/14 08:12*	*5*
Unknown Substituted Biphenyl	*2000*	*T J*	*ug/Kg*	☼	*10.99*		*08/27/14 17:43*	*08/29/14 08:12*	*5*
Unknown Substituted Biphenyl	*1500*	*T J*	*ug/Kg*	☼	*11.04*		*08/27/14 17:43*	*08/29/14 08:12*	*5*
Unknown Substituted Biphenyl	*1000*	*T J*	*ug/Kg*	☼	*11.06*		*08/27/14 17:43*	*08/29/14 08:12*	*5*
Unknown Substituted Biphenyl	*2400*	*T J*	*ug/Kg*	☼	*11.18*		*08/27/14 17:43*	*08/29/14 08:12*	*5*
Unknown Substituted Biphenyl	*1300*	*T J*	*ug/Kg*	☼	*11.30*		*08/27/14 17:43*	*08/29/14 08:12*	*5*
Unknown Substituted Biphenyl	*1300*	*T J*	*ug/Kg*	☼	*11.52*		*08/27/14 17:43*	*08/29/14 08:12*	*5*
Unknown Substituted Biphenyl	*1700*	*T J*	*ug/Kg*	☼	*11.55*		*08/27/14 17:43*	*08/29/14 08:12*	*5*
Unknown Substituted Biphenyl	*2800*	*T J*	*ug/Kg*	☼	*11.58*		*08/27/14 17:43*	*08/29/14 08:12*	*5*
Unknown Substituted Biphenyl	*1700*	*T J*	*ug/Kg*	☼	*11.75*		*08/27/14 17:43*	*08/29/14 08:12*	*5*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*11.80*		*08/27/14 17:43*	*08/29/14 08:12*	*5*
Unknown Substituted Biphenyl	*1100*	*T J*	*ug/Kg*	☼	*12.47*		*08/27/14 17:43*	*08/29/14 08:12*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*35 - 105*	*08/27/14 17:43*	*08/29/14 08:12*	*5*
2-Fluorophenol (Surr)	*88*		*39 - 103*	*08/27/14 17:43*	*08/29/14 08:12*	*5*
Nitrobenzene-d5 (Surr)	*84*		*25 - 104*	*08/27/14 17:43*	*08/29/14 08:12*	*5*
Phenol-d5 (Surr)	*72*		*25 - 105*	*08/27/14 17:43*	*08/29/14 08:12*	*5*
Terphenyl-d14 (Surr)	*74*		*25 - 127*	*08/27/14 17:43*	*08/29/14 08:12*	*5*
2,4,6-Tribromophenol (Surr)	*58*		*35 - 124*	*08/27/14 17:43*	*08/29/14 08:12*	*5*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: DUP-18

Date Collected: 08/14/14 00:00
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-82
Matrix: Solid
Percent Solids: 88.4

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**16**	**p**	1.9	0.33	ug/Kg	☼	08/27/14 18:10	08/29/14 16:53	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/27/14 18:10	08/29/14 16:53	1
alpha-Chlordane	**34**	**p**	1.9	0.37	ug/Kg	☼	08/27/14 18:10	08/29/14 16:53	1
beta-BHC	**180**	**p**	1.9	0.48	ug/Kg	☼	08/27/14 18:10	08/29/14 16:53	1
4,4'-DDD	**49**	**p**	1.9	0.24	ug/Kg	☼	08/27/14 18:10	08/29/14 16:53	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/27/14 18:10	08/29/14 16:53	1
4,4'-DDT	**56**	**p**	1.9	0.28	ug/Kg	☼	08/27/14 18:10	08/29/14 16:53	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/27/14 18:10	08/29/14 16:53	1
Dieldrin	**28**	**p**	1.9	0.31	ug/Kg	☼	08/27/14 18:10	08/29/14 16:53	1
Endosulfan I	**72**		1.9	0.35	ug/Kg	☼	08/27/14 18:10	08/29/14 16:53	1
Endosulfan II	**13**	**p**	1.9	0.33	ug/Kg	☼	08/27/14 18:10	08/29/14 16:53	1
Endosulfan sulfate	**32**	**p**	1.9	0.19	ug/Kg	☼	08/27/14 18:10	08/29/14 16:53	1
Endrin	**180**	**p**	1.9	0.36	ug/Kg	☼	08/27/14 18:10	08/29/14 16:53	1
Endrin aldehyde	**36**		1.9	0.36	ug/Kg	☼	08/27/14 18:10	08/29/14 16:53	1
Endrin ketone	**26**	**p**	1.9	0.29	ug/Kg	☼	08/27/14 18:10	08/29/14 16:53	1
gamma-BHC (Lindane)	**25**	**p**	1.9	0.33	ug/Kg	☼	08/27/14 18:10	08/29/14 16:53	1
Methoxychlor	**160**	**p**	3.7	0.39	ug/Kg	☼	08/27/14 18:10	08/29/14 16:53	1
Toxaphene	ND		75	12	ug/Kg	☼	08/27/14 18:10	08/29/14 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*08/27/14 18:10*	*08/29/14 16:53*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/27/14 18:10*	*08/29/14 16:53*	*1*
Tetrachloro-m-xylene	*134*	*X*	*45 - 130*	*08/27/14 18:10*	*08/29/14 16:53*	*1*
Tetrachloro-m-xylene	*119*		*45 - 130*	*08/27/14 18:10*	*08/29/14 16:53*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	**580**	**p**	9.5	1.8	ug/Kg	☼	08/27/14 18:10	08/31/14 12:35	5
Heptachlor	**350**	**p**	9.5	2.1	ug/Kg	☼	08/27/14 18:10	08/31/14 12:35	5
Heptachlor epoxide	**1300**		9.5	1.8	ug/Kg	☼	08/27/14 18:10	08/31/14 12:35	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*95*		*45 - 130*	*08/27/14 18:10*	*08/31/14 12:35*	*5*
DCB Decachlorobiphenyl (Surr)	*96*		*45 - 130*	*08/27/14 18:10*	*08/31/14 12:35*	*5*
Tetrachloro-m-xylene	*137*	*X*	*45 - 130*	*08/27/14 18:10*	*08/31/14 12:35*	*5*
Tetrachloro-m-xylene	*95*		*45 - 130*	*08/27/14 18:10*	*08/31/14 12:35*	*5*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		930	140	ug/Kg	☼	08/27/14 18:10	08/29/14 09:57	50
PCB-1221	ND		930	180	ug/Kg	☼	08/27/14 18:10	08/29/14 09:57	50
PCB-1232	ND		930	160	ug/Kg	☼	08/27/14 18:10	08/29/14 09:57	50
PCB-1242	ND		930	150	ug/Kg	☼	08/27/14 18:10	08/29/14 09:57	50
PCB-1248	**61000**		930	88	ug/Kg	☼	08/27/14 18:10	08/29/14 09:57	50
PCB-1254	ND		930	130	ug/Kg	☼	08/27/14 18:10	08/29/14 09:57	50
PCB-1260	**2700**		930	130	ug/Kg	☼	08/27/14 18:10	08/29/14 09:57	50
PCB-1262	ND		930	200	ug/Kg	☼	08/27/14 18:10	08/29/14 09:57	50
PCB-1268	ND		930	120	ug/Kg	☼	08/27/14 18:10	08/29/14 09:57	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*110*	*D*	*45 - 125*	*08/27/14 18:10*	*08/29/14 09:57*	*50*

Client Sample ID: DUP-18

Lab Sample ID: 180-35818-82

Date Collected: 08/14/14 00:00

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 88.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*	*D*	*45 - 125*	*08/27/14 18:10*	*08/29/14 10:28*	*50*
Tetrachloro-m-xylene (Surr)	*98*	*D*	*45 - 135*	*08/27/14 18:10*	*08/29/14 09:57*	*50*
Tetrachloro-m-xylene (Surr)	*105*	*D*	*45 - 135*	*08/27/14 18:10*	*08/29/14 10:28*	*50*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7200**		21	2.2	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Antimony	**0.51**	**J**	1.1	0.21	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Arsenic	**17**		1.1	0.32	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Barium	**120**		21	0.014	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Beryllium	**0.38**	**J**	0.42	0.012	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Cadmium	**0.12**	**J B**	0.53	0.015	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Calcium	**8700**		530	1.6	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Chromium	**47**		0.53	0.082	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Cobalt	**6.4**		5.3	0.044	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Copper	**130**		2.6	0.15	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Iron	**27000**	**B**	11	0.94	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Lead	**320**		1.1	0.11	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Magnesium	**3500**		530	2.2	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Manganese	**410**		1.6	0.094	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Nickel	**57**	**B**	4.2	0.050	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Potassium	**700**		530	6.8	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Selenium	**1.5**		1.1	0.28	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Silver	ND		0.53	0.043	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Sodium	**230**	**J**	530	1.1	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Thallium	ND		2.1	0.16	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Vanadium	**17**		5.3	0.18	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1
Zinc	**100**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:07	08/27/14 15:45	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.13**		0.037	0.012	mg/Kg	☼	08/27/14 09:17	08/27/14 15:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**88**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	ND		0.55	0.16	mg/Kg	☼	08/27/14 07:00	08/27/14 10:08	1

Client Sample ID: DUP-19

Lab Sample ID: 180-35818-83

Date Collected: 08/14/14 00:00

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 94.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		23	5.6	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Benzene	ND		5.6	0.76	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Bromoform	ND		5.6	0.50	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Bromomethane	ND		5.6	0.83	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
2-Butanone (MEK)	ND		5.6	0.99	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: DUP-19
Date Collected: 08/14/14 00:00
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-83
Matrix: Solid
Percent Solids: 94.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.6	0.58	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Carbon tetrachloride	ND	*	5.6	0.50	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Chlorobenzene	ND		5.6	0.85	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Chlorobromomethane	ND		5.6	0.77	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Chlorodibromomethane	ND		5.6	0.80	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Chloroethane	ND		5.6	1.7	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Chloroform	ND		5.6	0.66	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Chloromethane	ND		5.6	0.96	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
cis-1,2-Dichloroethene	ND		5.6	0.79	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
cis-1,3-Dichloropropene	ND		5.6	0.76	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Cyclohexane	ND		5.6	0.42	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
1,2-Dibromo-3-Chloropropane	ND		5.6	0.84	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
1,2-Dibromoethane	ND		5.6	0.97	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
1,2-Dichlorobenzene	ND		5.6	0.90	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
1,3-Dichlorobenzene	ND		5.6	0.74	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
1,4-Dichlorobenzene	ND		5.6	0.72	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Dichlorobromomethane	ND		5.6	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Dichlorodifluoromethane	ND		5.6	0.75	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
1,1-Dichloroethane	ND		5.6	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
1,2-Dichloroethane	ND		5.6	0.69	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
1,1-Dichloroethene	ND		5.6	0.95	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
1,2-Dichloropropane	ND		5.6	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
1,4-Dioxane	ND		1100	310	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Ethylbenzene	ND		5.6	0.72	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
2-Hexanone	ND		5.6	0.78	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Isopropylbenzene	ND		5.6	0.76	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Methyl acetate	ND		5.6	1.0	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Methylcyclohexane	ND		5.6	0.82	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Methylene Chloride	ND		5.6	0.76	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.6	0.73	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Methyl tert-butyl ether	ND		5.6	0.84	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
m-Xylene & p-Xylene	ND		11	1.7	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
o-Xylene	ND		5.6	0.88	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Styrene	ND		5.6	0.79	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
1,1,2,2-Tetrachloroethane	ND		5.6	0.81	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Tetrachloroethene	ND		5.6	0.77	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Toluene	ND		5.6	0.82	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
trans-1,2-Dichloroethene	ND	*	5.6	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
trans-1,3-Dichloropropene	ND		5.6	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
1,2,3-Trichlorobenzene	ND		5.6	0.95	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
1,2,4-Trichlorobenzene	ND		5.6	0.99	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
1,1,1-Trichloroethane	ND	*	5.6	0.55	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
1,1,2-Trichloroethane	ND		5.6	0.94	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Trichloroethene	ND		5.6	0.74	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Trichlorofluoromethane	ND		5.6	1.0	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.6	1.2	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1
Vinyl chloride	ND		5.6	0.53	ug/Kg	☼	08/22/14 20:52	08/23/14 04:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 20:52*	*08/23/14 04:03*	*1*

Client Sample Results

Client Sample ID: DUP-19
Date Collected: 08/14/14 00:00
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-83
Matrix: Solid
Percent Solids: 94.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 120*	*08/22/14 20:52*	*08/23/14 04:03*	*1*
Dibromofluoromethane (Surr)	*110*		*68 - 121*	*08/22/14 20:52*	*08/23/14 04:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*52 - 124*	*08/22/14 20:52*	*08/23/14 04:03*	*1*
Toluene-d8 (Surr)	*100*		*72 - 127*	*08/22/14 20:52*	*08/23/14 04:03*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	6.8	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Acenaphthylene	ND		71	8.1	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Acetophenone	ND		350	29	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Anthracene	ND		71	6.9	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Atrazine	ND		350	34	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Benzaldehyde	ND	*	350	53	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Benzo[a]anthracene	ND		71	8.9	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Benzo[a]pyrene	ND		71	7.1	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Benzo[b]fluoranthene	ND		71	11	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Benzo[g,h,i]perylene	ND		71	7.0	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Benzo[k]fluoranthene	ND		71	14	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Bis(2-chloroethyl)ether	ND		71	9.5	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Bis(2-ethylhexyl) phthalate	ND		710	57	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Carbazole	ND		71	6.5	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
2-Chloronaphthalene	ND		71	7.4	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Chrysene	ND		71	8.4	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Dibenz(a,h)anthracene	ND		71	7.9	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
2,4-Dichlorophenol	ND		71	7.1	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
1,4-Dioxane	ND		710	41	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Fluoranthene	ND		71	7.6	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Fluorene	ND		71	9.3	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Hexachlorobenzene	ND		71	7.5	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Hexachlorobutadiene	ND		71	7.9	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1

Client Sample ID: DUP-19 | **Lab Sample ID: 180-35818-83**

Date Collected: 08/14/14 00:00 | **Matrix: Solid**

Date Received: 08/15/14 09:10 | **Percent Solids: 94.2**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Indeno[1,2,3-cd]pyrene	ND		71	7.3	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Isophorone	ND		350	27	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
2-Methylnaphthalene	ND		71	6.4	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Naphthalene	ND		71	6.1	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Nitrobenzene	ND		710	29	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
N-Nitrosodi-n-propylamine	ND		71	8.3	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
2,2'-oxybis[1-chloropropane]	ND		71	7.6	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Phenanthrene	ND		71	11	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Phenol	ND		71	8.4	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
Pyrene	ND		71	7.2	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/27/14 17:43	08/29/14 08:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/27/14 17:43*	*08/29/14 08:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*35 - 105*	*08/27/14 17:43*	*08/29/14 08:39*	*1*
2-Fluorophenol (Surr)	*87*		*39 - 103*	*08/27/14 17:43*	*08/29/14 08:39*	*1*
Nitrobenzene-d5 (Surr)	*90*		*25 - 104*	*08/27/14 17:43*	*08/29/14 08:39*	*1*
Phenol-d5 (Surr)	*78*		*25 - 105*	*08/27/14 17:43*	*08/29/14 08:39*	*1*
Terphenyl-d14 (Surr)	*76*		*25 - 127*	*08/27/14 17:43*	*08/29/14 08:39*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*35 - 124*	*08/27/14 17:43*	*08/29/14 08:39*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Client Sample ID: DUP-19

Date Collected: 08/14/14 00:00
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-83
Matrix: Solid
Percent Solids: 94.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1
Toxaphene	ND		71	12	ug/Kg	☼	08/27/14 18:10	08/29/14 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*08/27/14 18:10*	*08/29/14 17:09*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/27/14 18:10*	*08/29/14 17:09*	*1*
Tetrachloro-m-xylene	*83*		*45 - 130*	*08/27/14 18:10*	*08/29/14 17:09*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/27/14 18:10*	*08/29/14 17:09*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/27/14 18:10	08/29/14 04:12	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/27/14 18:10	08/29/14 04:12	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/27/14 18:10	08/29/14 04:12	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/27/14 18:10	08/29/14 04:12	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/27/14 18:10	08/29/14 04:12	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/27/14 18:10	08/29/14 04:12	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/27/14 18:10	08/29/14 04:12	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/27/14 18:10	08/29/14 04:12	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/27/14 18:10	08/29/14 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/27/14 18:10*	*08/29/14 04:12*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/27/14 18:10*	*08/29/14 04:43*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*	*08/27/14 18:10*	*08/29/14 04:12*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*45 - 135*	*08/27/14 18:10*	*08/29/14 04:43*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5400**		21	2.2	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Antimony	ND		1.1	0.21	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Arsenic	**5.2**		1.1	0.32	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Barium	**33**		21	0.013	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Beryllium	**0.22**	**J**	0.42	0.012	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Cadmium	**0.073**	**J B**	0.53	0.015	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Calcium	**30000**		530	1.6	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Chromium	**6.3**		0.53	0.081	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Cobalt	**5.9**		5.3	0.044	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Copper	**12**		2.6	0.15	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Iron	**13000**	**B**	11	0.93	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Lead	**5.1**		1.1	0.11	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Magnesium	**4300**		530	2.2	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1

Client Sample ID: DUP-19

Lab Sample ID: 180-35818-83

Date Collected: 08/14/14 00:00

Matrix: Solid

Date Received: 08/15/14 09:10

Percent Solids: 94.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**280**		1.6	0.093	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Nickel	**12**	**B**	4.2	0.050	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Potassium	**580**		530	6.7	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Selenium	**0.65**	**J**	1.1	0.28	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Silver	ND		0.53	0.042	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Sodium	**55**	**J**	530	1.1	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Vanadium	**8.9**		5.3	0.18	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1
Zinc	**44**	**B**	2.1	0.11	mg/Kg	☼	08/21/14 13:07	08/27/14 15:50	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.011	mg/Kg	☼	08/27/14 09:17	08/27/14 15:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.8**		0.10	0.10	%			08/18/14 15:38	1
Percent Solids	**94**		0.10	0.10	%			08/18/14 15:38	1
Cyanide, Total	ND		0.53	0.16	mg/Kg	☼	08/27/14 07:00	08/27/14 10:08	1

Client Sample ID: SSHS-B26-A-GW-18-22

Lab Sample ID: 180-35818-84

Date Collected: 08/14/14 09:30

Matrix: Water

Date Received: 08/15/14 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4.7**	**J**	5.0	2.5	ug/L			08/24/14 13:52	1
Benzene	**0.11**	**J**	1.0	0.11	ug/L			08/24/14 13:52	1
Bromoform	ND		1.0	0.19	ug/L			08/24/14 13:52	1
Bromomethane	ND		1.0	0.31	ug/L			08/24/14 13:52	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/24/14 13:52	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/24/14 13:52	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/24/14 13:52	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/24/14 13:52	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/24/14 13:52	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/24/14 13:52	1
Chloroethane	ND		1.0	0.21	ug/L			08/24/14 13:52	1
Chloroform	ND		1.0	0.17	ug/L			08/24/14 13:52	1
Chloromethane	ND		1.0	0.28	ug/L			08/24/14 13:52	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/24/14 13:52	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/24/14 13:52	1
Cyclohexane	ND		1.0	0.25	ug/L			08/24/14 13:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/24/14 13:52	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/24/14 13:52	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/24/14 13:52	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/24/14 13:52	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/24/14 13:52	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/24/14 13:52	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/24/14 13:52	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/24/14 13:52	1

Client Sample ID: SSHS-B26-A-GW-18-22
Lab Sample ID: 180-35818-84
Date Collected: 08/14/14 09:30
Matrix: Water
Date Received: 08/15/14 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/24/14 13:52	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/14 13:52	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/24/14 13:52	1
1,4-Dioxane	ND		200	34	ug/L			08/24/14 13:52	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/24/14 13:52	1
2-Hexanone	ND		5.0	0.16	ug/L			08/24/14 13:52	1
Isopropylbenzene	**0.18**	**J**	1.0	0.16	ug/L			08/24/14 13:52	1
Methyl acetate	ND		1.0	0.14	ug/L			08/24/14 13:52	1
Methylcyclohexane	**0.58**	**J**	1.0	0.26	ug/L			08/24/14 13:52	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/24/14 13:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/24/14 13:52	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/24/14 13:52	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/24/14 13:52	1
o-Xylene	ND		1.0	0.11	ug/L			08/24/14 13:52	1
Styrene	ND		1.0	0.097	ug/L			08/24/14 13:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/24/14 13:52	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/24/14 13:52	1
Toluene	**0.24**	**J**	1.0	0.15	ug/L			08/24/14 13:52	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/24/14 13:52	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/24/14 13:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/24/14 13:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/24/14 13:52	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/24/14 13:52	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/24/14 13:52	1
Trichloroethene	ND		1.0	0.14	ug/L			08/24/14 13:52	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/14 13:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/24/14 13:52	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/24/14 13:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1H-Indene, 2,3-dihydro-4,7-dimethyl-	*4.5*	*T J N*	*ug/L*		*14.77*	*6682-71-9*		*08/24/14 13:52*	*1*
Unknown Hydrocarbon	*4.8*	*T J*	*ug/L*		*15.13*			*08/24/14 13:52*	*1*
Unknown	*4.7*	*T J*	*ug/L*		*15.53*			*08/24/14 13:52*	*1*
Unknown	*5.2*	*T J*	*ug/L*		*15.75*			*08/24/14 13:52*	*1*
Unknown	*4.7*	*T J*	*ug/L*		*15.89*			*08/24/14 13:52*	*1*
Heptylcyclohexane	*4.9*	*T J N*	*ug/L*		*15.97*	*5617-41-4*		*08/24/14 13:52*	*1*
Unknown Hydrocarbon	*6.0*	*T J*	*ug/L*		*16.07*			*08/24/14 13:52*	*1*
Unknown Substituted Benzene	*7.1*	*T J*	*ug/L*		*16.12*			*08/24/14 13:52*	*1*
Unknown	*8.9*	*T J*	*ug/L*		*16.26*			*08/24/14 13:52*	*1*
Unknown Hydrocarbon	*3.9*	*T J*	*ug/L*		*16.35*			*08/24/14 13:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 118*		*08/24/14 13:52*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 128*		*08/24/14 13:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*64 - 135*		*08/24/14 13:52*	*1*
Toluene-d8 (Surr)	*106*		*71 - 118*		*08/24/14 13:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.014	ug/L		08/18/14 10:33	08/21/14 14:01	1

Client Sample Results

Client Sample ID: SSHS-B26-A-GW-18-22

Lab Sample ID: 180-35818-84

Date Collected: 08/14/14 09:30

Matrix: Water

Date Received: 08/15/14 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		0.19	0.015	ug/L		08/18/14 10:33	08/21/14 14:01	1
Acetophenone	ND		0.96	0.077	ug/L		08/18/14 10:33	08/21/14 14:01	1
Anthracene	ND		0.19	0.015	ug/L		08/18/14 10:33	08/21/14 14:01	1
Atrazine	ND		0.96	0.086	ug/L		08/18/14 10:33	08/21/14 14:01	1
Benzaldehyde	ND		0.96	0.14	ug/L		08/18/14 10:33	08/21/14 14:01	1
Benzo[a]anthracene	**3.7**		0.19	0.014	ug/L		08/18/14 10:33	08/21/14 14:01	1
Benzo[a]pyrene	**0.59**		0.19	0.013	ug/L		08/18/14 10:33	08/21/14 14:01	1
Benzo[b]fluoranthene	ND		0.19	0.015	ug/L		08/18/14 10:33	08/21/14 14:01	1
Benzo[g,h,i]perylene	ND		0.19	0.015	ug/L		08/18/14 10:33	08/21/14 14:01	1
Benzo[k]fluoranthene	ND		0.19	0.053	ug/L		08/18/14 10:33	08/21/14 14:01	1
1,1'-Biphenyl	ND		0.96	0.040	ug/L		08/18/14 10:33	08/21/14 14:01	1
Bis(2-chloroethoxy)methane	ND		0.96	0.056	ug/L		08/18/14 10:33	08/21/14 14:01	1
Bis(2-chloroethyl)ether	ND		0.19	0.024	ug/L		08/18/14 10:33	08/21/14 14:01	1
Bis(2-ethylhexyl) phthalate	ND		1.9	1.2	ug/L		08/18/14 10:33	08/21/14 14:01	1
4-Bromophenyl phenyl ether	ND		0.96	0.061	ug/L		08/18/14 10:33	08/21/14 14:01	1
Butyl benzyl phthalate	ND		0.96	0.14	ug/L		08/18/14 10:33	08/21/14 14:01	1
Caprolactam	ND		4.8	1.1	ug/L		08/18/14 10:33	08/21/14 14:01	1
Carbazole	ND		0.19	0.015	ug/L		08/18/14 10:33	08/21/14 14:01	1
4-Chloroaniline	ND		0.96	0.085	ug/L		08/18/14 10:33	08/21/14 14:01	1
4-Chloro-3-methylphenol	ND		0.96	0.073	ug/L		08/18/14 10:33	08/21/14 14:01	1
2-Chloronaphthalene	ND		0.19	0.015	ug/L		08/18/14 10:33	08/21/14 14:01	1
2-Chlorophenol	ND		0.96	0.16	ug/L		08/18/14 10:33	08/21/14 14:01	1
4-Chlorophenyl phenyl ether	ND		0.96	0.048	ug/L		08/18/14 10:33	08/21/14 14:01	1
Chrysene	**7.0**		0.19	0.013	ug/L		08/18/14 10:33	08/21/14 14:01	1
Dibenz(a,h)anthracene	ND		0.19	0.015	ug/L		08/18/14 10:33	08/21/14 14:01	1
Dibenzofuran	ND		0.96	0.059	ug/L		08/18/14 10:33	08/21/14 14:01	1
3,3'-Dichlorobenzidine	ND		0.96	0.11	ug/L		08/18/14 10:33	08/21/14 14:01	1
2,4-Dichlorophenol	ND		0.19	0.032	ug/L		08/18/14 10:33	08/21/14 14:01	1
Diethyl phthalate	ND		0.96	0.14	ug/L		08/18/14 10:33	08/21/14 14:01	1
2,4-Dimethylphenol	ND		0.96	0.082	ug/L		08/18/14 10:33	08/21/14 14:01	1
Dimethyl phthalate	ND		0.96	0.074	ug/L		08/18/14 10:33	08/21/14 14:01	1
Di-n-butyl phthalate	ND		0.96	0.12	ug/L		08/18/14 10:33	08/21/14 14:01	1
4,6-Dinitro-2-methylphenol	ND		4.8	0.21	ug/L		08/18/14 10:33	08/21/14 14:01	1
2,4-Dinitrophenol	ND		4.8	0.59	ug/L		08/18/14 10:33	08/21/14 14:01	1
2,4-Dinitrotoluene	ND		0.96	0.052	ug/L		08/18/14 10:33	08/21/14 14:01	1
2,6-Dinitrotoluene	ND		0.96	0.077	ug/L		08/18/14 10:33	08/21/14 14:01	1
Di-n-octyl phthalate	ND		0.96	0.20	ug/L		08/18/14 10:33	08/21/14 14:01	1
1,4-Dioxane	ND		1.9	0.14	ug/L		08/18/14 10:33	08/21/14 14:01	1
Fluoranthene	**1.2**		0.19	0.016	ug/L		08/18/14 10:33	08/21/14 14:01	1
Fluorene	ND		0.19	0.021	ug/L		08/18/14 10:33	08/21/14 14:01	1
Hexachlorobenzene	ND		0.19	0.018	ug/L		08/18/14 10:33	08/21/14 14:01	1
Hexachlorobutadiene	ND		0.19	0.016	ug/L		08/18/14 10:33	08/21/14 14:01	1
Hexachlorocyclopentadiene	ND		0.96	0.050	ug/L		08/18/14 10:33	08/21/14 14:01	1
Hexachloroethane	ND		0.96	0.060	ug/L		08/18/14 10:33	08/21/14 14:01	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.019	ug/L		08/18/14 10:33	08/21/14 14:01	1
Isophorone	ND		0.96	0.062	ug/L		08/18/14 10:33	08/21/14 14:01	1
2-Methylnaphthalene	ND		0.19	0.012	ug/L		08/18/14 10:33	08/21/14 14:01	1
2-Methylphenol	ND		0.96	0.083	ug/L		08/18/14 10:33	08/21/14 14:01	1
Methylphenol, 3 & 4	ND		0.96	0.087	ug/L		08/18/14 10:33	08/21/14 14:01	1

Client Sample Results

Client Sample ID: SSHS-B26-A-GW-18-22
Date Collected: 08/14/14 09:30
Date Received: 08/15/14 09:10

Lab Sample ID: 180-35818-84
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.19	0.013	ug/L		08/18/14 10:33	08/21/14 14:01	1
2-Nitroaniline	ND		4.8	0.34	ug/L		08/18/14 10:33	08/21/14 14:01	1
3-Nitroaniline	ND		4.8	0.31	ug/L		08/18/14 10:33	08/21/14 14:01	1
4-Nitroaniline	ND		4.8	0.17	ug/L		08/18/14 10:33	08/21/14 14:01	1
Nitrobenzene	ND		1.9	0.081	ug/L		08/18/14 10:33	08/21/14 14:01	1
2-Nitrophenol	ND		0.96	0.16	ug/L		08/18/14 10:33	08/21/14 14:01	1
4-Nitrophenol	ND		4.8	0.62	ug/L		08/18/14 10:33	08/21/14 14:01	1
N-Nitrosodi-n-propylamine	ND		0.19	0.030	ug/L		08/18/14 10:33	08/21/14 14:01	1
N-Nitrosodiphenylamine	ND		0.96	0.082	ug/L		08/18/14 10:33	08/21/14 14:01	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.019	ug/L		08/18/14 10:33	08/21/14 14:01	1
Pentachlorophenol	ND		0.96	0.064	ug/L		08/18/14 10:33	08/21/14 14:01	1
Phenanthrene	ND		0.19	0.041	ug/L		08/18/14 10:33	08/21/14 14:01	1
Phenol	ND		0.19	0.056	ug/L		08/18/14 10:33	08/21/14 14:01	1
Pyrene	**3.5**		0.19	0.015	ug/L		08/18/14 10:33	08/21/14 14:01	1
1,2,4,5-Tetrachlorobenzene	ND		0.96	0.063	ug/L		08/18/14 10:33	08/21/14 14:01	1
2,3,4,6-Tetrachlorophenol	ND		0.96	0.13	ug/L		08/18/14 10:33	08/21/14 14:01	1
2,4,5-Trichlorophenol	ND		0.96	0.15	ug/L		08/18/14 10:33	08/21/14 14:01	1
2,4,6-Trichlorophenol	ND		0.96	0.17	ug/L		08/18/14 10:33	08/21/14 14:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*7.4*	*T J*	*ug/L*		*6.89*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*6.3*	*T J*	*ug/L*		*6.94*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*7.0*	*T J*	*ug/L*		*7.11*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*8.3*	*T J*	*ug/L*		*7.43*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*18*	*T J*	*ug/L*		*7.53*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*7.6*	*T J*	*ug/L*		*7.56*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*16*	*T J*	*ug/L*		*7.74*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*6.0*	*T J*	*ug/L*		*7.79*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*11*	*T J*	*ug/L*		*7.86*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*7.6*	*T J*	*ug/L*		*7.91*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*7.4*	*T J*	*ug/L*		*7.95*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*7.4*	*T J*	*ug/L*		*8.10*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*7.7*	*T J*	*ug/L*		*8.17*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*19*	*T J*	*ug/L*		*8.31*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*7.4*	*T J*	*ug/L*		*8.34*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*11*	*T J*	*ug/L*		*8.40*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*26*	*T J*	*ug/L*		*8.55*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*11*	*T J*	*ug/L*		*8.82*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*17*	*T J*	*ug/L*		*8.89*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*7.2*	*T J*	*ug/L*		*8.97*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*9.3*	*T J*	*ug/L*		*9.02*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*6.4*	*T J*	*ug/L*		*9.05*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*6.8*	*T J*	*ug/L*		*9.21*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*7.0*	*T J*	*ug/L*		*9.32*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*16*	*T J*	*ug/L*		*9.38*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*5.7*	*T J*	*ug/L*		*9.41*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*10*	*T J*	*ug/L*		*9.49*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*8.0*	*T J*	*ug/L*		*9.52*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*11*	*T J*	*ug/L*		*9.59*		*08/18/14 10:33*	*08/21/14 14:01*	*1*
Unknown	*10*	*T J*	*ug/L*		*9.66*		*08/18/14 10:33*	*08/21/14 14:01*	*1*

Client Sample ID: SSHS-B26-A-GW-18-22

Lab Sample ID: 180-35818-84

Date Collected: 08/14/14 09:30

Matrix: Water

Date Received: 08/15/14 09:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	96		19 - 107	08/18/14 10:33	08/21/14 14:01	1
2-Fluorophenol (Surr)	48		10 - 111	08/18/14 10:33	08/21/14 14:01	1
Nitrobenzene-d5 (Surr)	89		23 - 112	08/18/14 10:33	08/21/14 14:01	1
Phenol-d5 (Surr)	60		15 - 112	08/18/14 10:33	08/21/14 14:01	1
Terphenyl-d14 (Surr)	38		10 - 132	08/18/14 10:33	08/21/14 14:01	1
2,4,6-Tribromophenol (Surr)	72		16 - 122	08/18/14 10:33	08/21/14 14:01	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**440**		100	25	ug/L			08/20/14 13:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	86		40 - 133		08/20/14 13:27	1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	**220000**		49000	10000	ug/L		08/20/14 07:51	08/21/14 16:42	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	92		40 - 160	08/20/14 07:51	08/21/14 16:42	100

Client Sample ID: 20140814-EQUIPMENT BLANK- SOIL

Lab Sample ID: 180-35818-85

Date Collected: 08/14/14 17:55

Matrix: Water

Date Received: 08/15/14 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/25/14 17:05	1
Benzene	ND		1.0	0.11	ug/L			08/25/14 17:05	1
Bromoform	ND		1.0	0.19	ug/L			08/25/14 17:05	1
Bromomethane	ND		1.0	0.31	ug/L			08/25/14 17:05	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/25/14 17:05	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/25/14 17:05	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/25/14 17:05	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/25/14 17:05	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/25/14 17:05	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/25/14 17:05	1
Chloroethane	ND		1.0	0.21	ug/L			08/25/14 17:05	1
Chloroform	ND		1.0	0.17	ug/L			08/25/14 17:05	1
Chloromethane	ND		1.0	0.28	ug/L			08/25/14 17:05	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/25/14 17:05	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/25/14 17:05	1
Cyclohexane	ND		1.0	0.25	ug/L			08/25/14 17:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/25/14 17:05	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/25/14 17:05	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/25/14 17:05	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/25/14 17:05	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/25/14 17:05	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/25/14 17:05	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/25/14 17:05	1

Client Sample ID: 20140814-EQUIPMENT BLANK- SOIL

Lab Sample ID: 180-35818-85

Date Collected: 08/14/14 17:55
Matrix: Water
Date Received: 08/15/14 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/25/14 17:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/25/14 17:05	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/25/14 17:05	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/25/14 17:05	1
1,4-Dioxane	ND		200	34	ug/L			08/25/14 17:05	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/25/14 17:05	1
2-Hexanone	ND		5.0	0.16	ug/L			08/25/14 17:05	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/25/14 17:05	1
Methyl acetate	ND		1.0	0.14	ug/L			08/25/14 17:05	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/25/14 17:05	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/25/14 17:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/25/14 17:05	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/25/14 17:05	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/25/14 17:05	1
o-Xylene	ND		1.0	0.11	ug/L			08/25/14 17:05	1
Styrene	ND		1.0	0.097	ug/L			08/25/14 17:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/25/14 17:05	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/25/14 17:05	1
Toluene	ND		1.0	0.15	ug/L			08/25/14 17:05	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/25/14 17:05	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/25/14 17:05	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/25/14 17:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/25/14 17:05	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/25/14 17:05	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/25/14 17:05	1
Trichloroethene	ND		1.0	0.14	ug/L			08/25/14 17:05	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/25/14 17:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/25/14 17:05	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/25/14 17:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/25/14 17:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 118*		*08/25/14 17:05*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 128*		*08/25/14 17:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*64 - 135*		*08/25/14 17:05*	*1*
Toluene-d8 (Surr)	*106*		*71 - 118*		*08/25/14 17:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.027	ug/L		08/21/14 08:25	08/25/14 20:31	1
Acenaphthylene	ND		0.19	0.020	ug/L		08/21/14 08:25	08/25/14 20:31	1
Acetophenone	ND		1.9	0.10	ug/L		08/21/14 08:25	08/25/14 20:31	1
Anthracene	ND		0.19	0.018	ug/L		08/21/14 08:25	08/25/14 20:31	1
Atrazine	ND		1.9	0.21	ug/L		08/21/14 08:25	08/25/14 20:31	1
Benzaldehyde	ND		1.9	0.098	ug/L		08/21/14 08:25	08/25/14 20:31	1
Benzo[a]anthracene	ND		0.19	0.034	ug/L		08/21/14 08:25	08/25/14 20:31	1
Benzo[a]pyrene	ND		0.19	0.026	ug/L		08/21/14 08:25	08/25/14 20:31	1
Benzo[b]fluoranthene	ND		0.19	0.045	ug/L		08/21/14 08:25	08/25/14 20:31	1

Client Sample Results

Client Sample ID: 20140814-EQUIPMENT BLANK- SOIL

Lab Sample ID: 180-35818-85

Date Collected: 08/14/14 17:55

Matrix: Water

Date Received: 08/15/14 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.19	0.027	ug/L		08/21/14 08:25	08/25/14 20:31	1
Benzo[k]fluoranthene	ND		0.19	0.028	ug/L		08/21/14 08:25	08/25/14 20:31	1
1,1'-Biphenyl	ND		0.93	0.097	ug/L		08/21/14 08:25	08/25/14 20:31	1
Bis(2-chloroethoxy)methane	ND		0.93	0.12	ug/L		08/21/14 08:25	08/25/14 20:31	1
Bis(2-chloroethyl)ether	ND		0.93	0.029	ug/L		08/21/14 08:25	08/25/14 20:31	1
Bis(2-ethylhexyl) phthalate	**1.3**	**J**	1.9	0.41	ug/L		08/21/14 08:25	08/25/14 20:31	1
4-Bromophenyl phenyl ether	ND		0.93	0.11	ug/L		08/21/14 08:25	08/25/14 20:31	1
Butyl benzyl phthalate	**0.67**	**J**	0.93	0.20	ug/L		08/21/14 08:25	08/25/14 20:31	1
Caprolactam	ND		4.6	1.4	ug/L		08/21/14 08:25	08/25/14 20:31	1
Carbazole	ND		0.93	0.025	ug/L		08/21/14 08:25	08/25/14 20:31	1
4-Chloroaniline	ND		0.93	0.27	ug/L		08/21/14 08:25	08/25/14 20:31	1
4-Chloro-3-methylphenol	ND		0.93	0.16	ug/L		08/21/14 08:25	08/25/14 20:31	1
2-Chloronaphthalene	ND		0.19	0.028	ug/L		08/21/14 08:25	08/25/14 20:31	1
2-Chlorophenol	ND		0.93	0.21	ug/L		08/21/14 08:25	08/25/14 20:31	1
4-Chlorophenyl phenyl ether	ND		0.93	0.074	ug/L		08/21/14 08:25	08/25/14 20:31	1
Chrysene	ND		0.19	0.029	ug/L		08/21/14 08:25	08/25/14 20:31	1
Dibenz(a,h)anthracene	ND		0.19	0.025	ug/L		08/21/14 08:25	08/25/14 20:31	1
Dibenzofuran	ND		0.93	0.089	ug/L		08/21/14 08:25	08/25/14 20:31	1
3,3'-Dichlorobenzidine	ND		0.93	0.14	ug/L		08/21/14 08:25	08/25/14 20:31	1
2,4-Dichlorophenol	ND		0.93	0.062	ug/L		08/21/14 08:25	08/25/14 20:31	1
Diethyl phthalate	ND		0.93	0.27	ug/L		08/21/14 08:25	08/25/14 20:31	1
2,4-Dimethylphenol	ND		0.93	0.16	ug/L		08/21/14 08:25	08/25/14 20:31	1
Dimethyl phthalate	ND		0.93	0.17	ug/L		08/21/14 08:25	08/25/14 20:31	1
Di-n-butyl phthalate	ND		0.93	0.22	ug/L		08/21/14 08:25	08/25/14 20:31	1
4,6-Dinitro-2-methylphenol	ND		4.6	1.4	ug/L		08/21/14 08:25	08/25/14 20:31	1
2,4-Dinitrophenol	ND		4.6	2.3	ug/L		08/21/14 08:25	08/25/14 20:31	1
2,4-Dinitrotoluene	ND		0.93	0.20	ug/L		08/21/14 08:25	08/25/14 20:31	1
2,6-Dinitrotoluene	ND		0.93	0.13	ug/L		08/21/14 08:25	08/25/14 20:31	1
Di-n-octyl phthalate	ND		0.93	0.19	ug/L		08/21/14 08:25	08/25/14 20:31	1
1,4-Dioxane	ND		1.9	0.049	ug/L		08/21/14 08:25	08/25/14 20:31	1
Fluoranthene	ND		0.19	0.020	ug/L		08/21/14 08:25	08/25/14 20:31	1
Fluorene	ND		0.19	0.022	ug/L		08/21/14 08:25	08/25/14 20:31	1
Hexachlorobenzene	ND		0.93	0.056	ug/L		08/21/14 08:25	08/25/14 20:31	1
Hexachlorobutadiene	ND		0.93	0.087	ug/L		08/21/14 08:25	08/25/14 20:31	1
Hexachlorocyclopentadiene	ND		0.93	0.13	ug/L		08/21/14 08:25	08/25/14 20:31	1
Hexachloroethane	ND		0.93	0.13	ug/L		08/21/14 08:25	08/25/14 20:31	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.040	ug/L		08/21/14 08:25	08/25/14 20:31	1
Isophorone	ND		0.93	0.068	ug/L		08/21/14 08:25	08/25/14 20:31	1
2-Methylnaphthalene	ND		0.19	0.018	ug/L		08/21/14 08:25	08/25/14 20:31	1
2-Methylphenol	ND		0.93	0.17	ug/L		08/21/14 08:25	08/25/14 20:31	1
Methylphenol, 3 & 4	ND		0.93	0.19	ug/L		08/21/14 08:25	08/25/14 20:31	1
Naphthalene	ND		0.19	0.021	ug/L		08/21/14 08:25	08/25/14 20:31	1
2-Nitroaniline	ND		4.6	0.62	ug/L		08/21/14 08:25	08/25/14 20:31	1
3-Nitroaniline	ND		4.6	0.75	ug/L		08/21/14 08:25	08/25/14 20:31	1
4-Nitroaniline	ND		4.6	0.72	ug/L		08/21/14 08:25	08/25/14 20:31	1
Nitrobenzene	ND		1.9	0.14	ug/L		08/21/14 08:25	08/25/14 20:31	1
2-Nitrophenol	ND		0.93	0.10	ug/L		08/21/14 08:25	08/25/14 20:31	1
4-Nitrophenol	ND		4.6	0.74	ug/L		08/21/14 08:25	08/25/14 20:31	1
N-Nitrosodi-n-propylamine	ND		0.93	0.046	ug/L		08/21/14 08:25	08/25/14 20:31	1

Client Sample Results

Client Sample ID: 20140814-EQUIPMENT BLANK- SOIL

Lab Sample ID: 180-35818-85

Date Collected: 08/14/14 17:55
Date Received: 08/15/14 09:10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		0.93	0.11	ug/L		08/21/14 08:25	08/25/14 20:31	1
2,2'-oxybis[1-chloropropane]	ND		0.93	0.022	ug/L		08/21/14 08:25	08/25/14 20:31	1
Pentachlorophenol	ND		0.93	0.46	ug/L		08/21/14 08:25	08/25/14 20:31	1
Phenanthrene	ND		0.19	0.038	ug/L		08/21/14 08:25	08/25/14 20:31	1
Phenol	**0.32**	**J**	0.93	0.051	ug/L		08/21/14 08:25	08/25/14 20:31	1
Pyrene	ND		0.19	0.021	ug/L		08/21/14 08:25	08/25/14 20:31	1
1,2,4,5-Tetrachlorobenzene	ND		0.93	0.071	ug/L		08/21/14 08:25	08/25/14 20:31	1
2,3,4,6-Tetrachlorophenol	ND		0.93	0.098	ug/L		08/21/14 08:25	08/25/14 20:31	1
2,4,5-Trichlorophenol	ND		0.93	0.11	ug/L		08/21/14 08:25	08/25/14 20:31	1
2,4,6-Trichlorophenol	ND		0.93	0.28	ug/L		08/21/14 08:25	08/25/14 20:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1.5*	*T J*	*ug/L*		*4.49*		*08/21/14 08:25*	*08/25/14 20:31*	*1*
Unknown	*0.53*	*T J*	*ug/L*		*10.27*		*08/21/14 08:25*	*08/25/14 20:31*	*1*
Unknown	*0.43*	*T J*	*ug/L*		*10.35*		*08/21/14 08:25*	*08/25/14 20:31*	*1*
Unknown	*0.62*	*T J*	*ug/L*		*10.50*		*08/21/14 08:25*	*08/25/14 20:31*	*1*
Unknown	*39*	*T J*	*ug/L*		*10.57*		*08/21/14 08:25*	*08/25/14 20:31*	*1*
Unknown Carboxylic Acid	*0.86*	*T J*	*ug/L*		*10.91*		*08/21/14 08:25*	*08/25/14 20:31*	*1*
Unknown	*0.37*	*T J*	*ug/L*		*13.56*		*08/21/14 08:25*	*08/25/14 20:31*	*1*
Unknown	*0.53*	*T J*	*ug/L*		*13.66*		*08/21/14 08:25*	*08/25/14 20:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*30 - 150*	*08/21/14 08:25*	*08/25/14 20:31*	*1*
2-Fluorophenol (Surr)	*76*		*30 - 150*	*08/21/14 08:25*	*08/25/14 20:31*	*1*
Nitrobenzene-d5 (Surr)	*74*		*30 - 150*	*08/21/14 08:25*	*08/25/14 20:31*	*1*
Phenol-d5 (Surr)	*74*		*30 - 150*	*08/21/14 08:25*	*08/25/14 20:31*	*1*
Terphenyl-d14 (Surr)	*106*		*10 - 150*	*08/21/14 08:25*	*08/25/14 20:31*	*1*
2,4,6-Tribromophenol (Surr)	*116*		*30 - 150*	*08/21/14 08:25*	*08/25/14 20:31*	*1*

Method: 8081B_LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0013	0.00085	ug/L		08/18/14 14:32	08/20/14 14:54	1
alpha-BHC	ND		0.0013	0.00067	ug/L		08/18/14 14:32	08/20/14 14:54	1
alpha-Chlordane	ND		0.0013	0.0010	ug/L		08/18/14 14:32	08/20/14 14:54	1
beta-BHC	**0.0019**	**p**	0.0013	0.0010	ug/L		08/18/14 14:32	08/20/14 14:54	1
4,4'-DDD	ND		0.0013	0.00068	ug/L		08/18/14 14:32	08/20/14 14:54	1
4,4'-DDE	ND		0.0013	0.00081	ug/L		08/18/14 14:32	08/20/14 14:54	1
4,4'-DDT	ND		0.0013	0.00076	ug/L		08/18/14 14:32	08/20/14 14:54	1
delta-BHC	ND		0.0013	0.00039	ug/L		08/18/14 14:32	08/20/14 14:54	1
Dieldrin	ND		0.0013	0.00084	ug/L		08/18/14 14:32	08/20/14 14:54	1
Endosulfan I	ND		0.0013	0.00096	ug/L		08/18/14 14:32	08/20/14 14:54	1
Endosulfan II	ND		0.0013	0.0010	ug/L		08/18/14 14:32	08/20/14 14:54	1
Endosulfan sulfate	ND		0.0013	0.00058	ug/L		08/18/14 14:32	08/20/14 14:54	1
Endrin	ND		0.0013	0.00098	ug/L		08/18/14 14:32	08/20/14 14:54	1
Endrin aldehyde	ND		0.0013	0.00092	ug/L		08/18/14 14:32	08/20/14 14:54	1
Endrin ketone	ND		0.0013	0.00094	ug/L		08/18/14 14:32	08/20/14 14:54	1
gamma-BHC (Lindane)	ND		0.0013	0.00082	ug/L		08/18/14 14:32	08/20/14 14:54	1
gamma-Chlordane	ND		0.0013	0.00098	ug/L		08/18/14 14:32	08/20/14 14:54	1
Heptachlor	ND		0.0013	0.0010	ug/L		08/18/14 14:32	08/20/14 14:54	1
Heptachlor epoxide	ND		0.0013	0.00099	ug/L		08/18/14 14:32	08/20/14 14:54	1

Client Sample ID: 20140814-EQUIPMENT BLANK- SOIL

Lab Sample ID: 180-35818-85

Date Collected: 08/14/14 17:55
Matrix: Water
Date Received: 08/15/14 09:10

Method: 8081B_LL - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	ND		0.0026	0.00093	ug/L		08/18/14 14:32	08/20/14 14:54	1
Toxaphene	ND		0.10	0.019	ug/L		08/18/14 14:32	08/20/14 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*62*		*45 - 122*	*08/18/14 14:32*	*08/20/14 14:54*	*1*
DCB Decachlorobiphenyl (Surr)	*60*		*45 - 122*	*08/18/14 14:32*	*08/20/14 14:54*	*1*
Tetrachloro-m-xylene	*55*	*X*	*60 - 111*	*08/18/14 14:32*	*08/20/14 14:54*	*1*
Tetrachloro-m-xylene	*55*	*X*	*60 - 111*	*08/18/14 14:32*	*08/20/14 14:54*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.010	0.0026	ug/L		08/18/14 14:32	08/21/14 01:25	1
PCB-1221	ND		0.010	0.0025	ug/L		08/18/14 14:32	08/21/14 01:25	1
PCB-1232	ND		0.010	0.0030	ug/L		08/18/14 14:32	08/21/14 01:25	1
PCB-1242	ND		0.010	0.0019	ug/L		08/18/14 14:32	08/21/14 01:25	1
PCB-1248	ND		0.010	0.0023	ug/L		08/18/14 14:32	08/21/14 01:25	1
PCB-1254	ND		0.010	0.0023	ug/L		08/18/14 14:32	08/21/14 01:25	1
PCB-1260	ND		0.010	0.0014	ug/L		08/18/14 14:32	08/21/14 01:25	1
PCB-1262	ND		0.010	0.0021	ug/L		08/18/14 14:32	08/21/14 01:25	1
PCB-1268	ND		0.010	0.0028	ug/L		08/18/14 14:32	08/21/14 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*60 - 135*	*08/18/14 14:32*	*08/21/14 01:25*	*1*
Tetrachloro-m-xylene (Surr)	*66*		*25 - 150*	*08/18/14 14:32*	*08/21/14 01:25*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	42	ug/L		08/19/14 10:06	08/26/14 15:33	1
Antimony	ND		10	2.5	ug/L		08/19/14 10:06	08/26/14 15:33	1
Arsenic	ND		10	3.0	ug/L		08/19/14 10:06	08/26/14 15:33	1
Barium	ND		200	0.19	ug/L		08/19/14 10:06	08/26/14 15:33	1
Beryllium	ND		4.0	0.27	ug/L		08/19/14 10:06	08/26/14 15:33	1
Cadmium	ND		5.0	0.17	ug/L		08/19/14 10:06	08/27/14 16:22	1
Calcium	**16**	**J**	5000	14	ug/L		08/19/14 10:06	08/27/14 16:22	1
Chromium	**1.1**	**J**	5.0	1.0	ug/L		08/19/14 10:06	08/27/14 16:22	1
Cobalt	ND		50	0.39	ug/L		08/19/14 10:06	08/26/14 15:33	1
Copper	**1.8**	**J**	25	0.85	ug/L		08/19/14 10:06	08/26/14 15:33	1
Iron	**280**		100	5.3	ug/L		08/19/14 10:06	08/26/14 15:33	1
Lead	ND		10	1.5	ug/L		08/19/14 10:06	08/26/14 15:33	1
Magnesium	ND		5000	11	ug/L		08/19/14 10:06	08/27/14 16:22	1
Manganese	**3.7**	**J B**	15	0.094	ug/L		08/19/14 10:06	08/27/14 16:22	1
Nickel	**1.1**	**J**	40	0.49	ug/L		08/19/14 10:06	08/26/14 15:33	1
Potassium	**92**	**J**	5000	41	ug/L		08/19/14 10:06	08/26/14 15:33	1
Selenium	ND		10	1.7	ug/L		08/19/14 10:06	08/27/14 16:22	1
Silver	ND		5.0	0.27	ug/L		08/19/14 10:06	08/26/14 15:33	1
Sodium	**67**	**J B**	5000	21	ug/L		08/19/14 10:06	08/26/14 15:33	1
Thallium	ND		20	1.5	ug/L		08/19/14 10:06	08/27/14 16:22	1
Vanadium	ND		50	1.1	ug/L		08/19/14 10:06	08/26/14 15:33	1
Zinc	ND		20	6.0	ug/L		08/19/14 10:06	08/27/14 16:22	1

Client Sample ID: 20140814-EQUIPMENT BLANK- SOIL

Lab Sample ID: 180-35818-85

Date Collected: 08/14/14 17:55

Matrix: Water

Date Received: 08/15/14 09:10

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.038	ug/L		08/20/14 10:20	08/20/14 15:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		10	3.2	ug/L		08/27/14 12:00	08/27/14 13:54	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 180-35818-86

Date Collected: 08/14/14 00:00

Matrix: Water

Date Received: 08/15/14 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.5**	**J**	5.0	2.5	ug/L			08/24/14 13:28	1
Benzene	ND		1.0	0.11	ug/L			08/24/14 13:28	1
Bromoform	ND		1.0	0.19	ug/L			08/24/14 13:28	1
Bromomethane	ND		1.0	0.31	ug/L			08/24/14 13:28	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/24/14 13:28	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/24/14 13:28	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/24/14 13:28	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/24/14 13:28	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/24/14 13:28	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/24/14 13:28	1
Chloroethane	ND		1.0	0.21	ug/L			08/24/14 13:28	1
Chloroform	ND		1.0	0.17	ug/L			08/24/14 13:28	1
Chloromethane	ND		1.0	0.28	ug/L			08/24/14 13:28	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/24/14 13:28	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/24/14 13:28	1
Cyclohexane	ND		1.0	0.25	ug/L			08/24/14 13:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/24/14 13:28	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/24/14 13:28	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/24/14 13:28	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/24/14 13:28	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/24/14 13:28	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/24/14 13:28	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/24/14 13:28	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/24/14 13:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/24/14 13:28	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/14 13:28	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/24/14 13:28	1
1,4-Dioxane	ND		200	34	ug/L			08/24/14 13:28	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/24/14 13:28	1
2-Hexanone	ND		5.0	0.16	ug/L			08/24/14 13:28	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/24/14 13:28	1
Methyl acetate	ND		1.0	0.14	ug/L			08/24/14 13:28	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/24/14 13:28	1
Methylene Chloride	**0.22**	**J**	1.0	0.13	ug/L			08/24/14 13:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/24/14 13:28	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/24/14 13:28	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/24/14 13:28	1
o-Xylene	ND		1.0	0.11	ug/L			08/24/14 13:28	1

Client Sample ID: TRIP BLANK **Lab Sample ID: 180-35818-86**

Date Collected: 08/14/14 00:00 **Matrix: Water**

Date Received: 08/15/14 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.097	ug/L			08/24/14 13:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/24/14 13:28	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/24/14 13:28	1
Toluene	ND		1.0	0.15	ug/L			08/24/14 13:28	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/24/14 13:28	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/24/14 13:28	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/24/14 13:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/24/14 13:28	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/24/14 13:28	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/24/14 13:28	1
Trichloroethene	ND		1.0	0.14	ug/L			08/24/14 13:28	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/14 13:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/24/14 13:28	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/24/14 13:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/24/14 13:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 118*		*08/24/14 13:28*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 128*		*08/24/14 13:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*64 - 135*		*08/24/14 13:28*	*1*
Toluene-d8 (Surr)	*102*		*71 - 118*		*08/24/14 13:28*	*1*

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

Lab Sample ID: MB 180-115838/6
Matrix: Water
Analysis Batch: 115838

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/24/14 12:23	1
Benzene	ND		1.0	0.11	ug/L			08/24/14 12:23	1
Bromoform	ND		1.0	0.19	ug/L			08/24/14 12:23	1
Bromomethane	ND		1.0	0.31	ug/L			08/24/14 12:23	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/24/14 12:23	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/24/14 12:23	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/24/14 12:23	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/24/14 12:23	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/24/14 12:23	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/24/14 12:23	1
Chloroethane	ND		1.0	0.21	ug/L			08/24/14 12:23	1
Chloroform	ND		1.0	0.17	ug/L			08/24/14 12:23	1
Chloromethane	ND		1.0	0.28	ug/L			08/24/14 12:23	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/24/14 12:23	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/24/14 12:23	1
Cyclohexane	ND		1.0	0.25	ug/L			08/24/14 12:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/24/14 12:23	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/24/14 12:23	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/24/14 12:23	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/24/14 12:23	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/24/14 12:23	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/24/14 12:23	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/24/14 12:23	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/24/14 12:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/24/14 12:23	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/24/14 12:23	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/24/14 12:23	1
1,4-Dioxane	ND		200	34	ug/L			08/24/14 12:23	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/24/14 12:23	1
2-Hexanone	ND		5.0	0.16	ug/L			08/24/14 12:23	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/24/14 12:23	1
Methyl acetate	ND		1.0	0.14	ug/L			08/24/14 12:23	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/24/14 12:23	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/24/14 12:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/24/14 12:23	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/24/14 12:23	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/24/14 12:23	1
o-Xylene	ND		1.0	0.11	ug/L			08/24/14 12:23	1
Styrene	ND		1.0	0.097	ug/L			08/24/14 12:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/24/14 12:23	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/24/14 12:23	1
Toluene	ND		1.0	0.15	ug/L			08/24/14 12:23	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/24/14 12:23	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/24/14 12:23	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/24/14 12:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/24/14 12:23	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/24/14 12:23	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/24/14 12:23	1

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

Lab Sample ID: MB 180-115838/6
Matrix: Water
Analysis Batch: 115838

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.0	0.14	ug/L			08/24/14 12:23	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/24/14 12:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/24/14 12:23	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/24/14 12:23	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/24/14 12:23*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 118*		*08/24/14 12:23*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 128*		*08/24/14 12:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*64 - 135*		*08/24/14 12:23*	*1*
Toluene-d8 (Surr)	*104*		*71 - 118*		*08/24/14 12:23*	*1*

Lab Sample ID: LCS 180-115838/10
Matrix: Water
Analysis Batch: 115838

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10.0	9.06		ug/L		91	22 - 150
Benzene	10.0	10.8		ug/L		108	80 - 120
Bromoform	10.0	7.42		ug/L		74	46 - 150
Bromomethane	10.0	9.25		ug/L		93	33 - 150
2-Butanone (MEK)	10.0	10.4		ug/L		104	39 - 138
Carbon disulfide	10.0	10.2		ug/L		102	54 - 132
Carbon tetrachloride	10.0	7.83		ug/L		78	55 - 150
Chlorobenzene	10.0	10.7		ug/L		107	80 - 120
Chlorobromomethane	10.0	10.2		ug/L		102	70 - 127
Chlorodibromomethane	10.0	8.17		ug/L		82	60 - 140
Chloroethane	10.0	9.10		ug/L		91	36 - 142
Chloroform	10.0	10.8		ug/L		108	72 - 127
Chloromethane	10.0	8.74		ug/L		87	50 - 139
cis-1,2-Dichloroethene	10.0	10.3		ug/L		103	70 - 120
cis-1,3-Dichloropropene	10.0	9.49		ug/L		95	66 - 120
Cyclohexane	10.0	10.0		ug/L		100	45 - 142
1,2-Dibromo-3-Chloropropane	10.0	7.73		ug/L		77	37 - 133
1,2-Dibromoethane	10.0	10.1		ug/L		101	74 - 123
1,2-Dichlorobenzene	10.0	10.9		ug/L		109	77 - 120
1,3-Dichlorobenzene	10.0	10.8		ug/L		108	76 - 120
1,4-Dichlorobenzene	10.0	10.6		ug/L		106	77 - 120
Dichlorobromomethane	10.0	9.34		ug/L		93	66 - 130
Dichlorodifluoromethane	10.0	7.90		ug/L		79	13 - 150
1,1-Dichloroethane	10.0	10.6		ug/L		106	73 - 126
1,2-Dichloroethane	10.0	10.5		ug/L		105	68 - 132
1,1-Dichloroethene	10.0	10.2		ug/L		102	65 - 136
1,2-Dichloropropane	10.0	10.3		ug/L		103	76 - 124
1,4-Dioxane	200	120	J	ug/L		60	10 - 160

QC Sample Results

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

Lab Sample ID: LCS 180-115838/10
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115838

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	10.0	10.4		ug/L		104	72 - 126
2-Hexanone	10.0	8.13		ug/L		81	25 - 132
Isopropylbenzene	10.0	10.9		ug/L		109	58 - 130
Methyl acetate	50.0	47.3		ug/L		95	47 - 142
Methylcyclohexane	10.0	10.5		ug/L		105	45 - 145
Methylene Chloride	10.0	9.43		ug/L		94	63 - 129
4-Methyl-2-pentanone (MIBK)	10.0	9.05		ug/L		90	45 - 145
Methyl tert-butyl ether	10.0	10.7		ug/L		107	64 - 123
m-Xylene & p-Xylene	10.0	10.8		ug/L		108	73 - 130
o-Xylene	10.0	10.4		ug/L		104	72 - 124
Styrene	10.0	10.5		ug/L		105	71 - 127
1,1,2,2-Tetrachloroethane	10.0	10.2		ug/L		102	62 - 125
Tetrachloroethene	10.0	10.4		ug/L		104	70 - 135
Toluene	10.0	10.6		ug/L		106	80 - 123
trans-1,2-Dichloroethene	10.0	10.6		ug/L		106	73 - 126
trans-1,3-Dichloropropene	10.0	9.73		ug/L		97	65 - 125
1,2,3-Trichlorobenzene	10.0	10.4		ug/L		104	59 - 127
1,2,4-Trichlorobenzene	10.0	10.7		ug/L		107	60 - 127
1,1,1-Trichloroethane	10.0	9.42		ug/L		94	63 - 133
1,1,2-Trichloroethane	10.0	10.4		ug/L		104	77 - 127
Trichloroethene	10.0	10.7		ug/L		107	73 - 120
Trichlorofluoromethane	10.0	9.13		ug/L		91	44 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.1		ug/L		101	46 - 148
Vinyl chloride	10.0	8.85		ug/L		89	53 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 118*
Dibromofluoromethane (Surr)	*98*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 135*
Toluene-d8 (Surr)	*96*		*71 - 118*

Lab Sample ID: 180-35818-84 MS
Client Sample ID: SSHS-B26-A-GW-18-22
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115838

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	4.7	J	10.0	12.5		ug/L		78	22 - 150
Benzene	0.11	J	10.0	9.99		ug/L		100	80 - 120
Bromoform	ND		10.0	7.23		ug/L		72	46 - 150
Bromomethane	ND		10.0	9.33		ug/L		93	33 - 150
2-Butanone (MEK)	ND		10.0	9.73		ug/L		97	39 - 138
Carbon disulfide	ND		10.0	10.2		ug/L		102	54 - 132
Carbon tetrachloride	ND		10.0	7.67		ug/L		77	55 - 150
Chlorobenzene	ND		10.0	10.3		ug/L		103	80 - 120
Chlorobromomethane	ND		10.0	9.40		ug/L		94	70 - 127
Chlorodibromomethane	ND		10.0	8.35		ug/L		84	60 - 140
Chloroethane	ND		10.0	8.92		ug/L		89	36 - 142

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

Lab Sample ID: 180-35818-84 MS
Matrix: Water
Analysis Batch: 115838

Client Sample ID: SSHS-B26-A-GW-18-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	ND		10.0	9.61		ug/L		96	72 - 127
Chloromethane	ND		10.0	8.32		ug/L		83	50 - 139
cis-1,2-Dichloroethene	ND		10.0	9.53		ug/L		95	70 - 120
cis-1,3-Dichloropropene	ND		10.0	8.65		ug/L		87	66 - 120
Cyclohexane	ND		10.0	9.66		ug/L		97	45 - 142
1,2-Dibromo-3-Chloropropane	ND		10.0	8.81		ug/L		88	37 - 133
1,2-Dibromoethane	ND		10.0	9.80		ug/L		98	74 - 123
1,2-Dichlorobenzene	ND		10.0	10.0		ug/L		100	77 - 120
1,3-Dichlorobenzene	ND		10.0	10.3		ug/L		103	76 - 120
1,4-Dichlorobenzene	ND		10.0	10.2		ug/L		102	77 - 120
Dichlorobromomethane	ND		10.0	8.51		ug/L		85	66 - 130
Dichlorodifluoromethane	ND		10.0	7.62		ug/L		76	13 - 150
1,1-Dichloroethane	ND		10.0	9.63		ug/L		96	73 - 126
1,2-Dichloroethane	ND		10.0	9.19		ug/L		92	68 - 132
1,1-Dichloroethene	ND		10.0	9.16		ug/L		92	65 - 136
1,2-Dichloropropane	ND		10.0	9.33		ug/L		93	76 - 124
1,4-Dioxane	ND		200	153	J	ug/L		77	10 - 160
Ethylbenzene	ND		10.0	10.2		ug/L		102	72 - 126
2-Hexanone	ND		10.0	9.46		ug/L		95	25 - 132
Isopropylbenzene	0.18	J	10.0	11.0		ug/L		108	58 - 130
Methyl acetate	ND		50.0	44.4		ug/L		89	47 - 142
Methylcyclohexane	0.58	J	10.0	10.5		ug/L		99	45 - 145
Methylene Chloride	ND		10.0	8.57		ug/L		86	63 - 129
4-Methyl-2-pentanone (MIBK)	ND		10.0	9.21		ug/L		92	45 - 145
Methyl tert-butyl ether	ND		10.0	9.62		ug/L		96	64 - 123
m-Xylene & p-Xylene	ND		10.0	10.7		ug/L		107	73 - 130
o-Xylene	ND		10.0	10.5		ug/L		105	72 - 124
Styrene	ND		10.0	9.58		ug/L		96	71 - 127
1,1,2,2-Tetrachloroethane	ND		10.0	9.74		ug/L		97	62 - 125
Tetrachloroethene	ND		10.0	10.3		ug/L		103	70 - 135
Toluene	0.24	J	10.0	10.4		ug/L		101	80 - 123
trans-1,2-Dichloroethene	ND		10.0	9.97		ug/L		100	73 - 126
trans-1,3-Dichloropropene	ND		10.0	9.59		ug/L		96	65 - 125
1,2,3-Trichlorobenzene	ND		10.0	10.4		ug/L		104	59 - 127
1,2,4-Trichlorobenzene	ND		10.0	10.2		ug/L		102	60 - 127
1,1,1-Trichloroethane	ND		10.0	9.47		ug/L		95	63 - 133
1,1,2-Trichloroethane	ND		10.0	10.5		ug/L		105	77 - 127
Trichloroethene	ND		10.0	9.97		ug/L		100	73 - 120
Trichlorofluoromethane	ND		10.0	9.18		ug/L		92	44 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10.0	9.75		ug/L		98	46 - 148
Vinyl chloride	ND		10.0	8.63		ug/L		86	53 - 138

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 118*
Dibromofluoromethane (Surr)	*95*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*91*		*64 - 135*
Toluene-d8 (Surr)	*107*		*71 - 118*

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

Lab Sample ID: 180-35818-84 MSD
Client Sample ID: SSHS-B26-A-GW-18-22
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115838

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	4.7	J	10.0	12.9		ug/L		82	22 - 150	3	35
Benzene	0.11	J	10.0	9.93		ug/L		99	80 - 120	1	32
Bromoform	ND		10.0	7.81		ug/L		78	46 - 150	8	35
Bromomethane	ND		10.0	9.03		ug/L		90	33 - 150	3	35
2-Butanone (MEK)	ND		10.0	10.6		ug/L		106	39 - 138	8	35
Carbon disulfide	ND		10.0	10.4		ug/L		104	54 - 132	3	35
Carbon tetrachloride	ND		10.0	8.34		ug/L		83	55 - 150	8	35
Chlorobenzene	ND		10.0	10.3		ug/L		103	80 - 120	0	29
Chlorobromomethane	ND		10.0	9.39		ug/L		94	70 - 127	0	35
Chlorodibromomethane	ND		10.0	8.82		ug/L		88	60 - 140	5	35
Chloroethane	ND		10.0	9.03		ug/L		90	36 - 142	1	35
Chloroform	ND		10.0	9.68		ug/L		97	72 - 127	1	35
Chloromethane	ND		10.0	8.69		ug/L		87	50 - 139	4	35
cis-1,2-Dichloroethene	ND		10.0	9.69		ug/L		97	70 - 120	2	35
cis-1,3-Dichloropropene	ND		10.0	9.12		ug/L		91	66 - 120	5	35
Cyclohexane	ND		10.0	9.92		ug/L		99	45 - 142	3	35
1,2-Dibromo-3-Chloropropane	ND		10.0	10.2		ug/L		102	37 - 133	15	35
1,2-Dibromoethane	ND		10.0	9.65		ug/L		97	74 - 123	1	35
1,2-Dichlorobenzene	ND		10.0	10.2		ug/L		102	77 - 120	2	24
1,3-Dichlorobenzene	ND		10.0	10.1		ug/L		101	76 - 120	3	24
1,4-Dichlorobenzene	ND		10.0	10.1		ug/L		101	77 - 120	1	24
Dichlorobromomethane	ND		10.0	9.17		ug/L		92	66 - 130	8	35
Dichlorodifluoromethane	ND		10.0	7.72		ug/L		77	13 - 150	1	35
1,1-Dichloroethane	ND		10.0	10.0		ug/L		100	73 - 126	4	35
1,2-Dichloroethane	ND		10.0	9.48		ug/L		95	68 - 132	3	32
1,1-Dichloroethene	ND		10.0	9.45		ug/L		94	65 - 136	3	35
1,2-Dichloropropane	ND		10.0	9.66		ug/L		97	76 - 124	3	34
1,4-Dioxane	ND		200	157	J	ug/L		79	10 - 160	3	35
Ethylbenzene	ND		10.0	10.2		ug/L		102	72 - 126	1	33
2-Hexanone	ND		10.0	8.94		ug/L		89	25 - 132	6	35
Isopropylbenzene	0.18	J	10.0	10.7		ug/L		106	58 - 130	2	35
Methyl acetate	ND		50.0	45.8		ug/L		92	47 - 142	3	35
Methylcyclohexane	0.58	J	10.0	10.2		ug/L		96	45 - 145	3	35
Methylene Chloride	ND		10.0	8.82		ug/L		88	63 - 129	3	35
4-Methyl-2-pentanone (MIBK)	ND		10.0	9.36		ug/L		94	45 - 145	2	35
Methyl tert-butyl ether	ND		10.0	10.3		ug/L		103	64 - 123	7	35
m-Xylene & p-Xylene	ND		10.0	10.1		ug/L		101	73 - 130	6	32
o-Xylene	ND		10.0	10.2		ug/L		102	72 - 124	3	33
Styrene	ND		10.0	9.79		ug/L		98	71 - 127	2	34
1,1,2,2-Tetrachloroethane	ND		10.0	9.65		ug/L		97	62 - 125	1	35
Tetrachloroethene	ND		10.0	10.1		ug/L		101	70 - 135	2	35
Toluene	0.24	J	10.0	10.3		ug/L		101	80 - 123	1	35
trans-1,2-Dichloroethene	ND		10.0	10.0		ug/L		100	73 - 126	0	35
trans-1,3-Dichloropropene	ND		10.0	10.0		ug/L		100	65 - 125	4	35
1,2,3-Trichlorobenzene	ND		10.0	9.74		ug/L		97	59 - 127	7	35
1,2,4-Trichlorobenzene	ND		10.0	9.94		ug/L		99	60 - 127	2	35
1,1,1-Trichloroethane	ND		10.0	9.58		ug/L		96	63 - 133	1	35
1,1,2-Trichloroethane	ND		10.0	10.7		ug/L		107	77 - 127	2	35

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

Lab Sample ID: 180-35818-84 MSD
Matrix: Water
Analysis Batch: 115838

Client Sample ID: SSHS-B26-A-GW-18-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	ND		10.0	9.96		ug/L		100	73 - 120	0	35
Trichlorofluoromethane	ND		10.0	8.56		ug/L		86	44 - 150	7	35
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10.0	9.50		ug/L		95	46 - 148	3	35
Vinyl chloride	ND		10.0	9.35		ug/L		94	53 - 138	8	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 118*
Dibromofluoromethane (Surr)	*92*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*90*		*64 - 135*
Toluene-d8 (Surr)	*95*		*71 - 118*

Lab Sample ID: MB 180-115910/5
Matrix: Water
Analysis Batch: 115910

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/25/14 11:54	1
Benzene	ND		1.0	0.11	ug/L			08/25/14 11:54	1
Bromoform	ND		1.0	0.19	ug/L			08/25/14 11:54	1
Bromomethane	ND		1.0	0.31	ug/L			08/25/14 11:54	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/25/14 11:54	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/25/14 11:54	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/25/14 11:54	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/25/14 11:54	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/25/14 11:54	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/25/14 11:54	1
Chloroethane	ND		1.0	0.21	ug/L			08/25/14 11:54	1
Chloroform	ND		1.0	0.17	ug/L			08/25/14 11:54	1
Chloromethane	ND		1.0	0.28	ug/L			08/25/14 11:54	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/25/14 11:54	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/25/14 11:54	1
Cyclohexane	ND		1.0	0.25	ug/L			08/25/14 11:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/25/14 11:54	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/25/14 11:54	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/25/14 11:54	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/25/14 11:54	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/25/14 11:54	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/25/14 11:54	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/25/14 11:54	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/25/14 11:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/25/14 11:54	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/25/14 11:54	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/25/14 11:54	1
1,4-Dioxane	ND		200	34	ug/L			08/25/14 11:54	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/25/14 11:54	1
2-Hexanone	ND		5.0	0.16	ug/L			08/25/14 11:54	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/25/14 11:54	1

QC Sample Results

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

Lab Sample ID: MB 180-115910/5
Matrix: Water
Analysis Batch: 115910

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		1.0	0.14	ug/L			08/25/14 11:54	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/25/14 11:54	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/25/14 11:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/25/14 11:54	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/25/14 11:54	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/25/14 11:54	1
o-Xylene	ND		1.0	0.11	ug/L			08/25/14 11:54	1
Styrene	ND		1.0	0.097	ug/L			08/25/14 11:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/25/14 11:54	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/25/14 11:54	1
Toluene	ND		1.0	0.15	ug/L			08/25/14 11:54	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/25/14 11:54	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/25/14 11:54	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/25/14 11:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/25/14 11:54	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/25/14 11:54	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/25/14 11:54	1
Trichloroethene	ND		1.0	0.14	ug/L			08/25/14 11:54	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/25/14 11:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/25/14 11:54	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/25/14 11:54	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/25/14 11:54*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 118*		*08/25/14 11:54*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 128*		*08/25/14 11:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*64 - 135*		*08/25/14 11:54*	*1*
Toluene-d8 (Surr)	*101*		*71 - 118*		*08/25/14 11:54*	*1*

Lab Sample ID: LCS 180-115910/8
Matrix: Water
Analysis Batch: 115910

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10.0	8.33		ug/L		83	22 - 150
Benzene	10.0	10.3		ug/L		103	80 - 120
Bromoform	10.0	7.50		ug/L		75	46 - 150
Bromomethane	10.0	9.86		ug/L		99	33 - 150
2-Butanone (MEK)	10.0	9.54		ug/L		95	39 - 138
Carbon disulfide	10.0	10.6		ug/L		106	54 - 132
Carbon tetrachloride	10.0	8.14		ug/L		81	55 - 150
Chlorobenzene	10.0	10.6		ug/L		106	80 - 120
Chlorobromomethane	10.0	10.1		ug/L		101	70 - 127
Chlorodibromomethane	10.0	8.62		ug/L		86	60 - 140
Chloroethane	10.0	8.21		ug/L		82	36 - 142

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

Lab Sample ID: LCS 180-115910/8
Matrix: Water
Analysis Batch: 115910

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	10.0	10.1		ug/L		101	72 - 127
Chloromethane	10.0	8.09		ug/L		81	50 - 139
cis-1,2-Dichloroethene	10.0	9.90		ug/L		99	70 - 120
cis-1,3-Dichloropropene	10.0	9.25		ug/L		93	66 - 120
Cyclohexane	10.0	9.45		ug/L		95	45 - 142
1,2-Dibromo-3-Chloropropane	10.0	8.82		ug/L		88	37 - 133
1,2-Dibromoethane	10.0	10.0		ug/L		100	74 - 123
1,2-Dichlorobenzene	10.0	10.6		ug/L		106	77 - 120
1,3-Dichlorobenzene	10.0	10.5		ug/L		105	76 - 120
1,4-Dichlorobenzene	10.0	10.6		ug/L		106	77 - 120
Dichlorobromomethane	10.0	9.19		ug/L		92	66 - 130
Dichlorodifluoromethane	10.0	7.58		ug/L		76	13 - 150
1,1-Dichloroethane	10.0	9.95		ug/L		100	73 - 126
1,2-Dichloroethane	10.0	9.68		ug/L		97	68 - 132
1,1-Dichloroethene	10.0	9.48		ug/L		95	65 - 136
1,2-Dichloropropane	10.0	9.77		ug/L		98	76 - 124
1,4-Dioxane	200	113	J	ug/L		57	10 - 160
Ethylbenzene	10.0	10.5		ug/L		105	72 - 126
2-Hexanone	10.0	8.21		ug/L		82	25 - 132
Isopropylbenzene	10.0	10.9		ug/L		109	58 - 130
Methyl acetate	50.0	47.6		ug/L		95	47 - 142
Methylcyclohexane	10.0	9.73		ug/L		97	45 - 145
Methylene Chloride	10.0	9.61		ug/L		96	63 - 129
4-Methyl-2-pentanone (MIBK)	10.0	9.32		ug/L		93	45 - 145
Methyl tert-butyl ether	10.0	10.4		ug/L		104	64 - 123
m-Xylene & p-Xylene	10.0	10.6		ug/L		106	73 - 130
o-Xylene	10.0	10.5		ug/L		105	72 - 124
Styrene	10.0	10.5		ug/L		105	71 - 127
1,1,2,2-Tetrachloroethane	10.0	10.4		ug/L		104	62 - 125
Tetrachloroethene	10.0	10.8		ug/L		108	70 - 135
Toluene	10.0	10.5		ug/L		105	80 - 123
trans-1,2-Dichloroethene	10.0	10.1		ug/L		101	73 - 126
trans-1,3-Dichloropropene	10.0	9.90		ug/L		99	65 - 125
1,2,3-Trichlorobenzene	10.0	9.21		ug/L		92	59 - 127
1,2,4-Trichlorobenzene	10.0	10.0		ug/L		100	60 - 127
1,1,1-Trichloroethane	10.0	9.40		ug/L		94	63 - 133
1,1,2-Trichloroethane	10.0	10.8		ug/L		108	77 - 127
Trichloroethene	10.0	10.7		ug/L		107	73 - 120
Trichlorofluoromethane	10.0	9.32		ug/L		93	44 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.60		ug/L		96	46 - 148
Vinyl chloride	10.0	8.33		ug/L		83	53 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 118*
Dibromofluoromethane (Surr)	*100*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*95*		*64 - 135*
Toluene-d8 (Surr)	*104*		*71 - 118*

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-115168/1-A
Matrix: Solid
Analysis Batch: 115162

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Benzene	ND		5.0	0.68	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Bromoform	ND		5.0	0.44	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Chloroform	ND		5.0	0.58	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Styrene	ND		5.0	0.71	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Toluene	ND		5.0	0.73	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/19/14 04:07	08/19/14 05:50	1

QC Sample Results

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

Lab Sample ID: MB 180-115168/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115162
Prep Batch: 115168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.0	0.66	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/19/14 04:07	08/19/14 05:50	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/19/14 04:07	08/19/14 05:50	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/19/14 04:07*	*08/19/14 05:50*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*63 - 120*	*08/19/14 04:07*	*08/19/14 05:50*	*1*
Dibromofluoromethane (Surr)	*98*		*68 - 121*	*08/19/14 04:07*	*08/19/14 05:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*	*08/19/14 04:07*	*08/19/14 05:50*	*1*
Toluene-d8 (Surr)	*94*		*72 - 127*	*08/19/14 04:07*	*08/19/14 05:50*	*1*

Lab Sample ID: LCS 180-115168/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115162
Prep Batch: 115168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	40.4		ug/Kg		101	20 - 150
Benzene	40.0	38.9		ug/Kg		97	77 - 120
Bromoform	40.0	37.8		ug/Kg		95	53 - 140
Bromomethane	40.0	46.8		ug/Kg		117	25 - 150
2-Butanone (MEK)	40.0	35.2		ug/Kg		88	35 - 149
Carbon disulfide	40.0	40.0		ug/Kg		100	50 - 127
Carbon tetrachloride	40.0	42.5		ug/Kg		106	69 - 122
Chlorobenzene	40.0	38.0		ug/Kg		95	79 - 120
Chlorobromomethane	40.0	40.1		ug/Kg		100	67 - 126
Chlorodibromomethane	40.0	40.4		ug/Kg		101	70 - 132
Chloroethane	40.0	45.0		ug/Kg		113	22 - 150
Chloroform	40.0	41.7		ug/Kg		104	72 - 120
Chloromethane	40.0	41.3		ug/Kg		103	44 - 131
cis-1,2-Dichloroethene	40.0	39.6		ug/Kg		99	80 - 118
cis-1,3-Dichloropropene	40.0	37.8		ug/Kg		94	73 - 120
Cyclohexane	40.0	38.4		ug/Kg		96	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	35.1		ug/Kg		88	35 - 136
1,2-Dibromoethane	40.0	39.9		ug/Kg		100	70 - 131
1,2-Dichlorobenzene	40.0	36.2		ug/Kg		90	71 - 124
1,3-Dichlorobenzene	40.0	37.1		ug/Kg		93	75 - 118
1,4-Dichlorobenzene	40.0	36.6		ug/Kg		92	77 - 116
Dichlorobromomethane	40.0	39.0		ug/Kg		97	70 - 125
Dichlorodifluoromethane	40.0	34.5		ug/Kg		86	25 - 150
1,1-Dichloroethane	40.0	40.2		ug/Kg		100	66 - 124
1,2-Dichloroethane	40.0	42.8		ug/Kg		107	61 - 127
1,1-Dichloroethene	40.0	43.1		ug/Kg		108	59 - 129
1,2-Dichloropropane	40.0	37.2		ug/Kg		93	72 - 122
1,4-Dioxane	800	752	J	ug/Kg		94	10 - 160

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

Lab Sample ID: LCS 180-115168/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115162
Prep Batch: 115168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	40.0	37.4		ug/Kg		94	78 - 125
2-Hexanone	40.0	39.6		ug/Kg		99	32 - 150
Isopropylbenzene	40.0	38.3		ug/Kg		96	70 - 133
Methyl acetate	200	195		ug/Kg		98	27 - 142
Methylcyclohexane	40.0	35.8		ug/Kg		90	66 - 135
Methylene Chloride	40.0	36.3		ug/Kg		91	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	40.0		ug/Kg		100	44 - 148
Methyl tert-butyl ether	40.0	44.8		ug/Kg		112	48 - 132
m-Xylene & p-Xylene	40.0	37.2		ug/Kg		93	75 - 126
o-Xylene	40.0	39.0		ug/Kg		98	83 - 127
Styrene	40.0	38.6		ug/Kg		97	83 - 129
1,1,2,2-Tetrachloroethane	40.0	38.0		ug/Kg		95	60 - 139
Tetrachloroethene	40.0	37.0		ug/Kg		93	78 - 129
Toluene	40.0	38.5		ug/Kg		96	78 - 124
trans-1,2-Dichloroethene	40.0	41.6		ug/Kg		104	77 - 121
trans-1,3-Dichloropropene	40.0	40.1		ug/Kg		100	74 - 129
1,2,3-Trichlorobenzene	40.0	26.0		ug/Kg		65	37 - 144
1,2,4-Trichlorobenzene	40.0	29.1		ug/Kg		73	51 - 136
1,1,1-Trichloroethane	40.0	42.8		ug/Kg		107	67 - 126
1,1,2-Trichloroethane	40.0	40.1		ug/Kg		100	70 - 128
Trichloroethene	40.0	35.8		ug/Kg		89	76 - 119
Trichlorofluoromethane	40.0	40.0		ug/Kg		100	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	46.5		ug/Kg		116	55 - 130
Vinyl chloride	40.0	39.3		ug/Kg		98	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*63 - 120*
Dibromofluoromethane (Surr)	*97*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*102*		*52 - 124*
Toluene-d8 (Surr)	*90*		*72 - 127*

Lab Sample ID: 180-35818-43MS
Client Sample ID: SSHS-B75-2-6 (3)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115162
Prep Batch: 115168

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		41.2	39.1		ug/Kg	☼	95	20 - 150
Benzene	ND		41.2	40.4		ug/Kg	☼	98	77 - 120
Bromoform	ND		41.2	37.8		ug/Kg	☼	92	53 - 140
Bromomethane	ND		41.2	51.2		ug/Kg	☼	124	25 - 150
2-Butanone (MEK)	ND		41.2	35.8		ug/Kg	☼	87	35 - 149
Carbon disulfide	ND		41.2	44.7		ug/Kg	☼	109	50 - 127
Carbon tetrachloride	ND		41.2	46.2		ug/Kg	☼	112	69 - 122
Chlorobenzene	ND		41.2	38.3		ug/Kg	☼	93	79 - 120
Chlorobromomethane	ND		41.2	41.2		ug/Kg	☼	100	67 - 126
Chlorodibromomethane	ND		41.2	39.5		ug/Kg	☼	96	70 - 132
Chloroethane	ND		41.2	48.1		ug/Kg	☼	117	22 - 150

QC Sample Results

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

Lab Sample ID: 180-35818-43MS
Matrix: Solid
Analysis Batch: 115162

Client Sample ID: SSHS-B75-2-6 (3)
Prep Type: Total/NA
Prep Batch: 115168

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	ND		41.2	43.1		ug/Kg	☼	105	72 - 120
Chloromethane	ND		41.2	41.8		ug/Kg	☼	101	44 - 131
cis-1,2-Dichloroethene	ND		41.2	40.8		ug/Kg	☼	99	80 - 118
cis-1,3-Dichloropropene	ND		41.2	39.3		ug/Kg	☼	95	73 - 120
Cyclohexane	ND		41.2	40.8		ug/Kg	☼	99	64 - 130
1,2-Dibromo-3-Chloropropane	ND		41.2	37.1		ug/Kg	☼	90	35 - 136
1,2-Dibromoethane	ND		41.2	39.8		ug/Kg	☼	97	70 - 131
1,2-Dichlorobenzene	ND		41.2	39.7		ug/Kg	☼	96	71 - 124
1,3-Dichlorobenzene	ND		41.2	39.9		ug/Kg	☼	97	75 - 118
1,4-Dichlorobenzene	ND		41.2	39.7		ug/Kg	☼	96	77 - 116
Dichlorobromomethane	ND		41.2	40.8		ug/Kg	☼	99	70 - 125
Dichlorodifluoromethane	ND		41.2	39.1		ug/Kg	☼	95	25 - 150
1,1-Dichloroethane	ND		41.2	41.6		ug/Kg	☼	101	66 - 124
1,2-Dichloroethane	ND		41.2	43.7		ug/Kg	☼	106	61 - 127
1,1-Dichloroethene	ND		41.2	46.7		ug/Kg	☼	113	59 - 129
1,2-Dichloropropane	ND		41.2	39.0		ug/Kg	☼	95	72 - 122
1,4-Dioxane	ND		824	811	J	ug/Kg	☼	98	10 - 160
Ethylbenzene	ND		41.2	39.4		ug/Kg	☼	96	78 - 125
2-Hexanone	ND		41.2	36.1		ug/Kg	☼	88	32 - 150
Isopropylbenzene	ND		41.2	38.8		ug/Kg	☼	94	70 - 133
Methyl acetate	ND		206	188		ug/Kg	☼	91	27 - 142
Methylcyclohexane	ND		41.2	38.0		ug/Kg	☼	92	66 - 135
Methylene Chloride	ND		41.2	42.6		ug/Kg	☼	103	58 - 127
4-Methyl-2-pentanone (MIBK)	ND		41.2	37.9		ug/Kg	☼	92	44 - 148
Methyl tert-butyl ether	ND		41.2	44.7		ug/Kg	☼	109	48 - 132
m-Xylene & p-Xylene	ND		41.2	38.5		ug/Kg	☼	93	75 - 126
o-Xylene	ND		41.2	39.7		ug/Kg	☼	96	83 - 127
Styrene	ND		41.2	39.5		ug/Kg	☼	96	83 - 129
1,1,2,2-Tetrachloroethane	ND		41.2	37.0		ug/Kg	☼	90	60 - 139
Tetrachloroethene	ND		41.2	38.4		ug/Kg	☼	93	78 - 129
Toluene	ND		41.2	39.6		ug/Kg	☼	96	78 - 124
trans-1,2-Dichloroethene	ND		41.2	43.0		ug/Kg	☼	104	77 - 121
trans-1,3-Dichloropropene	ND		41.2	41.7		ug/Kg	☼	101	74 - 129
1,2,3-Trichlorobenzene	ND		41.2	31.2		ug/Kg	☼	76	37 - 144
1,2,4-Trichlorobenzene	ND		41.2	34.3		ug/Kg	☼	83	51 - 136
1,1,1-Trichloroethane	ND		41.2	45.8		ug/Kg	☼	111	67 - 126
1,1,2-Trichloroethane	ND		41.2	38.7		ug/Kg	☼	94	70 - 128
Trichloroethene	ND		41.2	37.7		ug/Kg	☼	91	76 - 119
Trichlorofluoromethane	ND		41.2	46.2		ug/Kg	☼	112	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		41.2	49.5		ug/Kg	☼	120	55 - 130
Vinyl chloride	ND		41.2	41.9		ug/Kg	☼	102	63 - 124

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*
Dibromofluoromethane (Surr)	*105*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*
Toluene-d8 (Surr)	*94*		*72 - 127*

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

Lab Sample ID: 180-35818-43MSD **Client Sample ID: SSHS-B75-2-6 (3)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115162 **Prep Batch: 115168**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		42.3	37.4		ug/Kg	☼	88	20 - 150	5	40
Benzene	ND		42.3	41.9		ug/Kg	☼	99	77 - 120	4	20
Bromoform	ND		42.3	40.1		ug/Kg	☼	95	53 - 140	6	23
Bromomethane	ND		42.3	50.3		ug/Kg	☼	119	25 - 150	2	40
2-Butanone (MEK)	ND		42.3	34.5		ug/Kg	☼	82	35 - 149	3	36
Carbon disulfide	ND		42.3	46.5		ug/Kg	☼	110	50 - 127	4	23
Carbon tetrachloride	ND		42.3	47.1		ug/Kg	☼	112	69 - 122	2	22
Chlorobenzene	ND		42.3	41.3		ug/Kg	☼	98	79 - 120	8	20
Chlorobromomethane	ND		42.3	42.6		ug/Kg	☼	101	67 - 126	3	29
Chlorodibromomethane	ND		42.3	42.7		ug/Kg	☼	101	70 - 132	8	20
Chloroethane	ND		42.3	46.7		ug/Kg	☼	111	22 - 150	3	40
Chloroform	ND		42.3	44.8		ug/Kg	☼	106	72 - 120	4	25
Chloromethane	ND		42.3	43.0		ug/Kg	☼	102	44 - 131	3	27
cis-1,2-Dichloroethene	ND		42.3	41.8		ug/Kg	☼	99	80 - 118	2	20
cis-1,3-Dichloropropene	ND		42.3	39.6		ug/Kg	☼	94	73 - 120	1	20
Cyclohexane	ND		42.3	42.3		ug/Kg	☼	100	64 - 130	4	21
1,2-Dibromo-3-Chloropropane	ND		42.3	37.0		ug/Kg	☼	87	35 - 136	0	40
1,2-Dibromoethane	ND		42.3	42.1		ug/Kg	☼	99	70 - 131	6	20
1,2-Dichlorobenzene	ND		42.3	40.1		ug/Kg	☼	95	71 - 124	1	22
1,3-Dichlorobenzene	ND		42.3	40.4		ug/Kg	☼	96	75 - 118	1	20
1,4-Dichlorobenzene	ND		42.3	40.9		ug/Kg	☼	97	77 - 116	3	20
Dichlorobromomethane	ND		42.3	41.1		ug/Kg	☼	97	70 - 125	1	21
Dichlorodifluoromethane	ND		42.3	38.8		ug/Kg	☼	92	25 - 150	1	34
1,1-Dichloroethane	ND		42.3	43.2		ug/Kg	☼	102	66 - 124	4	23
1,2-Dichloroethane	ND		42.3	43.8		ug/Kg	☼	104	61 - 127	0	23
1,1-Dichloroethene	ND		42.3	47.3		ug/Kg	☼	112	59 - 129	1	25
1,2-Dichloropropane	ND		42.3	39.4		ug/Kg	☼	93	72 - 122	1	20
1,4-Dioxane	ND		845	851	J	ug/Kg	☼	101	10 - 160	5	40
Ethylbenzene	ND		42.3	41.3		ug/Kg	☼	98	78 - 125	5	21
2-Hexanone	ND		42.3	38.7		ug/Kg	☼	92	32 - 150	7	32
Isopropylbenzene	ND		42.3	42.2		ug/Kg	☼	100	70 - 133	8	22
Methyl acetate	ND		211	195		ug/Kg	☼	92	27 - 142	4	40
Methylcyclohexane	ND		42.3	39.8		ug/Kg	☼	94	66 - 135	5	23
Methylene Chloride	ND		42.3	42.2		ug/Kg	☼	100	58 - 127	1	28
4-Methyl-2-pentanone (MIBK)	ND		42.3	39.5		ug/Kg	☼	93	44 - 148	4	30
Methyl tert-butyl ether	ND		42.3	45.3		ug/Kg	☼	107	48 - 132	1	36
m-Xylene & p-Xylene	ND		42.3	41.0		ug/Kg	☼	97	75 - 126	6	21
o-Xylene	ND		42.3	41.7		ug/Kg	☼	99	83 - 127	5	20
Styrene	ND		42.3	41.9		ug/Kg	☼	99	83 - 129	6	20
1,1,2,2-Tetrachloroethane	ND		42.3	39.5		ug/Kg	☼	93	60 - 139	7	24
Tetrachloroethene	ND		42.3	42.0		ug/Kg	☼	99	78 - 129	9	20
Toluene	ND		42.3	41.7		ug/Kg	☼	99	78 - 124	5	21
trans-1,2-Dichloroethene	ND		42.3	44.2		ug/Kg	☼	105	77 - 121	3	20
trans-1,3-Dichloropropene	ND		42.3	43.0		ug/Kg	☼	102	74 - 129	3	20
1,2,3-Trichlorobenzene	ND		42.3	33.8		ug/Kg	☼	80	37 - 144	8	40
1,2,4-Trichlorobenzene	ND		42.3	37.3		ug/Kg	☼	88	51 - 136	8	40
1,1,1-Trichloroethane	ND		42.3	47.4		ug/Kg	☼	112	67 - 126	3	31
1,1,2-Trichloroethane	ND		42.3	41.8		ug/Kg	☼	99	70 - 128	8	22

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

Lab Sample ID: 180-35818-43MSD
Matrix: Solid
Analysis Batch: 115162

Client Sample ID: SSHS-B75-2-6 (3)
Prep Type: Total/NA
Prep Batch: 115168

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	ND		42.3	38.6		ug/Kg	☼	91	76 - 119	2	21
Trichlorofluoromethane	ND		42.3	48.5		ug/Kg	☼	115	20 - 150	5	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		42.3	50.8		ug/Kg	☼	120	55 - 130	3	37
Vinyl chloride	ND		42.3	43.2		ug/Kg	☼	102	63 - 124	3	27

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*
Dibromofluoromethane (Surr)	*97*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*99*		*52 - 124*
Toluene-d8 (Surr)	*95*		*72 - 127*

Lab Sample ID: MB 180-115346/1-A
Matrix: Solid
Analysis Batch: 115342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Benzene	ND		5.0	0.68	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Bromoform	ND		5.0	0.44	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Chloroform	ND		5.0	0.58	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/20/14 03:43	08/20/14 05:26	1

QC Sample Results

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

Lab Sample ID: MB 180-115346/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115342
Prep Batch: 115346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		5.0	0.90	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Styrene	ND		5.0	0.71	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Toluene	ND		5.0	0.73	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Trichloroethene	ND		5.0	0.66	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/20/14 03:43	08/20/14 05:26	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/20/14 03:43	08/20/14 05:26	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/20/14 03:43*	*08/20/14 05:26*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*63 - 120*	*08/20/14 03:43*	*08/20/14 05:26*	*1*
Dibromofluoromethane (Surr)	*100*		*68 - 121*	*08/20/14 03:43*	*08/20/14 05:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*	*08/20/14 03:43*	*08/20/14 05:26*	*1*
Toluene-d8 (Surr)	*96*		*72 - 127*	*08/20/14 03:43*	*08/20/14 05:26*	*1*

Lab Sample ID: LCS 180-115346/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115342
Prep Batch: 115346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	37.7		ug/Kg		94	20 - 150
Benzene	40.0	38.2		ug/Kg		96	77 - 120
Bromoform	40.0	36.9		ug/Kg		92	53 - 140
Bromomethane	40.0	47.9		ug/Kg		120	25 - 150
2-Butanone (MEK)	40.0	33.6		ug/Kg		84	35 - 149
Carbon disulfide	40.0	39.2		ug/Kg		98	50 - 127
Carbon tetrachloride	40.0	42.8		ug/Kg		107	69 - 122
Chlorobenzene	40.0	37.5		ug/Kg		94	79 - 120
Chlorobromomethane	40.0	40.4		ug/Kg		101	67 - 126
Chlorodibromomethane	40.0	39.1		ug/Kg		98	70 - 132
Chloroethane	40.0	43.3		ug/Kg		108	22 - 150

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

Lab Sample ID: LCS 180-115346/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115342
Prep Batch: 115346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	40.0	40.9		ug/Kg		102	72 - 120
Chloromethane	40.0	41.3		ug/Kg		103	44 - 131
cis-1,2-Dichloroethene	40.0	39.2		ug/Kg		98	80 - 118
cis-1,3-Dichloropropene	40.0	36.6		ug/Kg		91	73 - 120
Cyclohexane	40.0	39.1		ug/Kg		98	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	36.1		ug/Kg		90	35 - 136
1,2-Dibromoethane	40.0	38.2		ug/Kg		96	70 - 131
1,2-Dichlorobenzene	40.0	36.9		ug/Kg		92	71 - 124
1,3-Dichlorobenzene	40.0	36.5		ug/Kg		91	75 - 118
1,4-Dichlorobenzene	40.0	36.9		ug/Kg		92	77 - 116
Dichlorobromomethane	40.0	38.2		ug/Kg		96	70 - 125
Dichlorodifluoromethane	40.0	32.9		ug/Kg		82	25 - 150
1,1-Dichloroethane	40.0	39.6		ug/Kg		99	66 - 124
1,2-Dichloroethane	40.0	42.2		ug/Kg		105	61 - 127
1,1-Dichloroethene	40.0	43.5		ug/Kg		109	59 - 129
1,2-Dichloropropane	40.0	36.5		ug/Kg		91	72 - 122
1,4-Dioxane	800	819	J	ug/Kg		102	10 - 160
Ethylbenzene	40.0	37.1		ug/Kg		93	78 - 125
2-Hexanone	40.0	36.1		ug/Kg		90	32 - 150
Isopropylbenzene	40.0	38.1		ug/Kg		95	70 - 133
Methyl acetate	200	189		ug/Kg		95	27 - 142
Methylcyclohexane	40.0	36.1		ug/Kg		90	66 - 135
Methylene Chloride	40.0	37.7		ug/Kg		94	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	37.5		ug/Kg		94	44 - 148
Methyl tert-butyl ether	40.0	44.0		ug/Kg		110	48 - 132
m-Xylene & p-Xylene	40.0	36.8		ug/Kg		92	75 - 126
o-Xylene	40.0	37.2		ug/Kg		93	83 - 127
Styrene	40.0	37.7		ug/Kg		94	83 - 129
1,1,2,2-Tetrachloroethane	40.0	36.9		ug/Kg		92	60 - 139
Tetrachloroethene	40.0	36.1		ug/Kg		90	78 - 129
Toluene	40.0	36.9		ug/Kg		92	78 - 124
trans-1,2-Dichloroethene	40.0	41.2		ug/Kg		103	77 - 121
trans-1,3-Dichloropropene	40.0	39.2		ug/Kg		98	74 - 129
1,2,3-Trichlorobenzene	40.0	33.0		ug/Kg		83	37 - 144
1,2,4-Trichlorobenzene	40.0	33.6		ug/Kg		84	51 - 136
1,1,1-Trichloroethane	40.0	43.4		ug/Kg		108	67 - 126
1,1,2-Trichloroethane	40.0	38.1		ug/Kg		95	70 - 128
Trichloroethene	40.0	35.9		ug/Kg		90	76 - 119
Trichlorofluoromethane	40.0	38.9		ug/Kg		97	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	46.2		ug/Kg		116	55 - 130
Vinyl chloride	40.0	39.3		ug/Kg		98	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*
Dibromofluoromethane (Surr)	*99*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*
Toluene-d8 (Surr)	*91*		*72 - 127*

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

Lab Sample ID: 180-35818-69 MS
Client Sample ID: SSHS-B79-2-6 (4.5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115342
Prep Batch: 115346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		42.8	41.0		ug/Kg	☼	96	20 - 150
Benzene	ND		42.8	42.0		ug/Kg	☼	98	77 - 120
Bromoform	ND		42.8	41.5		ug/Kg	☼	97	53 - 140
Bromomethane	ND		42.8	51.0		ug/Kg	☼	119	25 - 150
2-Butanone (MEK)	ND		42.8	35.6		ug/Kg	☼	83	35 - 149
Carbon disulfide	ND		42.8	44.8		ug/Kg	☼	105	50 - 127
Carbon tetrachloride	ND		42.8	47.7		ug/Kg	☼	111	69 - 122
Chlorobenzene	ND		42.8	41.3		ug/Kg	☼	96	79 - 120
Chlorobromomethane	ND		42.8	43.0		ug/Kg	☼	100	67 - 126
Chlorodibromomethane	ND		42.8	42.4		ug/Kg	☼	99	70 - 132
Chloroethane	ND		42.8	45.4		ug/Kg	☼	106	22 - 150
Chloroform	ND		42.8	44.3		ug/Kg	☼	103	72 - 120
Chloromethane	ND		42.8	43.6		ug/Kg	☼	102	44 - 131
cis-1,2-Dichloroethene	ND		42.8	43.4		ug/Kg	☼	101	80 - 118
cis-1,3-Dichloropropene	ND		42.8	40.7		ug/Kg	☼	95	73 - 120
Cyclohexane	ND		42.8	42.4		ug/Kg	☼	99	64 - 130
1,2-Dibromo-3-Chloropropane	ND		42.8	41.1		ug/Kg	☼	96	35 - 136
1,2-Dibromoethane	ND		42.8	42.8		ug/Kg	☼	100	70 - 131
1,2-Dichlorobenzene	ND		42.8	41.4		ug/Kg	☼	97	71 - 124
1,3-Dichlorobenzene	ND		42.8	41.0		ug/Kg	☼	96	75 - 118
1,4-Dichlorobenzene	ND		42.8	40.6		ug/Kg	☼	95	77 - 116
Dichlorobromomethane	ND		42.8	41.9		ug/Kg	☼	98	70 - 125
Dichlorodifluoromethane	ND		42.8	38.6		ug/Kg	☼	90	25 - 150
1,1-Dichloroethane	ND		42.8	43.9		ug/Kg	☼	102	66 - 124
1,2-Dichloroethane	ND		42.8	44.8		ug/Kg	☼	105	61 - 127
1,1-Dichloroethene	ND		42.8	46.7		ug/Kg	☼	109	59 - 129
1,2-Dichloropropane	ND		42.8	40.2		ug/Kg	☼	94	72 - 122
1,4-Dioxane	ND		857	972	J	ug/Kg	☼	113	10 - 160
Ethylbenzene	ND		42.8	41.7		ug/Kg	☼	97	78 - 125
2-Hexanone	ND		42.8	40.7		ug/Kg	☼	95	32 - 150
Isopropylbenzene	ND		42.8	41.8		ug/Kg	☼	98	70 - 133
Methyl acetate	ND		214	201		ug/Kg	☼	94	27 - 142
Methylcyclohexane	ND		42.8	39.9		ug/Kg	☼	93	66 - 135
Methylene Chloride	ND		42.8	40.2		ug/Kg	☼	94	58 - 127
4-Methyl-2-pentanone (MIBK)	ND		42.8	41.7		ug/Kg	☼	97	44 - 148
Methyl tert-butyl ether	ND		42.8	47.9		ug/Kg	☼	112	48 - 132
m-Xylene & p-Xylene	ND		42.8	40.7		ug/Kg	☼	95	75 - 126
o-Xylene	ND		42.8	41.3		ug/Kg	☼	96	83 - 127
Styrene	ND		42.8	42.0		ug/Kg	☼	98	83 - 129
1,1,2,2-Tetrachloroethane	ND		42.8	41.0		ug/Kg	☼	96	60 - 139
Tetrachloroethene	ND		42.8	41.1		ug/Kg	☼	96	78 - 129
Toluene	ND		42.8	41.7		ug/Kg	☼	97	78 - 124
trans-1,2-Dichloroethene	ND		42.8	43.6		ug/Kg	☼	102	77 - 121
trans-1,3-Dichloropropene	ND		42.8	43.3		ug/Kg	☼	101	74 - 129
1,2,3-Trichlorobenzene	ND		42.8	37.8		ug/Kg	☼	88	37 - 144
1,2,4-Trichlorobenzene	ND		42.8	38.7		ug/Kg	☼	90	51 - 136
1,1,1-Trichloroethane	ND		42.8	48.3		ug/Kg	☼	113	67 - 126
1,1,2-Trichloroethane	ND		42.8	41.4		ug/Kg	☼	97	70 - 128

QC Sample Results

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

Lab Sample ID: 180-35818-69 MS
Matrix: Solid
Analysis Batch: 115342

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 115346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	ND		42.8	39.3		ug/Kg	☼	92	76 - 119
Trichlorofluoromethane	ND		42.8	44.9		ug/Kg	☼	105	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		42.8	51.8		ug/Kg	☼	121	55 - 130
Vinyl chloride	ND		42.8	43.8		ug/Kg	☼	102	63 - 124

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*
Dibromofluoromethane (Surr)	*104*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*104*		*52 - 124*
Toluene-d8 (Surr)	*98*		*72 - 127*

Lab Sample ID: 180-35818-69 MSD
Matrix: Solid
Analysis Batch: 115342

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 115346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		42.7	38.4		ug/Kg	☼	90	20 - 150	6	40
Benzene	ND		42.7	41.8		ug/Kg	☼	98	77 - 120	0	20
Bromoform	ND		42.7	40.5		ug/Kg	☼	95	53 - 140	2	23
Bromomethane	ND		42.7	51.3		ug/Kg	☼	120	25 - 150	1	40
2-Butanone (MEK)	ND		42.7	35.8		ug/Kg	☼	84	35 - 149	1	36
Carbon disulfide	ND		42.7	43.8		ug/Kg	☼	103	50 - 127	2	23
Carbon tetrachloride	ND		42.7	47.6		ug/Kg	☼	112	69 - 122	0	22
Chlorobenzene	ND		42.7	42.0		ug/Kg	☼	98	79 - 120	2	20
Chlorobromomethane	ND		42.7	42.5		ug/Kg	☼	100	67 - 126	1	29
Chlorodibromomethane	ND		42.7	42.9		ug/Kg	☼	100	70 - 132	1	20
Chloroethane	ND		42.7	46.0		ug/Kg	☼	108	22 - 150	1	40
Chloroform	ND		42.7	44.1		ug/Kg	☼	103	72 - 120	0	25
Chloromethane	ND		42.7	43.1		ug/Kg	☼	101	44 - 131	1	27
cis-1,2-Dichloroethene	ND		42.7	42.3		ug/Kg	☼	99	80 - 118	3	20
cis-1,3-Dichloropropene	ND		42.7	40.8		ug/Kg	☼	96	73 - 120	0	20
Cyclohexane	ND		42.7	41.3		ug/Kg	☼	97	64 - 130	3	21
1,2-Dibromo-3-Chloropropane	ND		42.7	39.7		ug/Kg	☼	93	35 - 136	3	40
1,2-Dibromoethane	ND		42.7	42.2		ug/Kg	☼	99	70 - 131	1	20
1,2-Dichlorobenzene	ND		42.7	41.2		ug/Kg	☼	97	71 - 124	0	22
1,3-Dichlorobenzene	ND		42.7	41.2		ug/Kg	☼	97	75 - 118	1	20
1,4-Dichlorobenzene	ND		42.7	41.0		ug/Kg	☼	96	77 - 116	1	20
Dichlorobromomethane	ND		42.7	41.3		ug/Kg	☼	97	70 - 125	1	21
Dichlorodifluoromethane	ND		42.7	37.8		ug/Kg	☼	89	25 - 150	2	34
1,1-Dichloroethane	ND		42.7	42.5		ug/Kg	☼	100	66 - 124	3	23
1,2-Dichloroethane	ND		42.7	43.5		ug/Kg	☼	102	61 - 127	3	23
1,1-Dichloroethene	ND		42.7	47.4		ug/Kg	☼	111	59 - 129	2	25
1,2-Dichloropropane	ND		42.7	39.4		ug/Kg	☼	92	72 - 122	2	20
1,4-Dioxane	ND		853	921	J	ug/Kg	☼	108	10 - 160	5	40
Ethylbenzene	ND		42.7	41.9		ug/Kg	☼	98	78 - 125	0	21
2-Hexanone	ND		42.7	40.9		ug/Kg	☼	96	32 - 150	0	32
Isopropylbenzene	ND		42.7	42.4		ug/Kg	☼	99	70 - 133	1	22

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

Lab Sample ID: 180-35818-69 MSD **Client Sample ID: SSHS-B79-2-6 (4.5)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115342 **Prep Batch: 115346**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl acetate	ND		213	194		ug/Kg	☼	91	27 - 142	4	40
Methylcyclohexane	ND		42.7	39.5		ug/Kg	☼	93	66 - 135	1	23
Methylene Chloride	ND		42.7	40.1		ug/Kg	☼	94	58 - 127	0	28
4-Methyl-2-pentanone (MIBK)	ND		42.7	41.1		ug/Kg	☼	96	44 - 148	1	30
Methyl tert-butyl ether	ND		42.7	46.4		ug/Kg	☼	109	48 - 132	3	36
m-Xylene & p-Xylene	ND		42.7	41.8		ug/Kg	☼	98	75 - 126	3	21
o-Xylene	ND		42.7	42.0		ug/Kg	☼	98	83 - 127	2	20
Styrene	ND		42.7	42.5		ug/Kg	☼	100	83 - 129	1	20
1,1,2,2-Tetrachloroethane	ND		42.7	39.5		ug/Kg	☼	93	60 - 139	4	24
Tetrachloroethene	ND		42.7	42.0		ug/Kg	☼	98	78 - 129	2	20
Toluene	ND		42.7	42.1		ug/Kg	☼	99	78 - 124	1	21
trans-1,2-Dichloroethene	ND		42.7	44.1		ug/Kg	☼	103	77 - 121	1	20
trans-1,3-Dichloropropene	ND		42.7	43.6		ug/Kg	☼	102	74 - 129	1	20
1,2,3-Trichlorobenzene	ND		42.7	36.1		ug/Kg	☼	85	37 - 144	4	40
1,2,4-Trichlorobenzene	ND		42.7	37.7		ug/Kg	☼	88	51 - 136	3	40
1,1,1-Trichloroethane	ND		42.7	48.6		ug/Kg	☼	114	67 - 126	1	31
1,1,2-Trichloroethane	ND		42.7	41.7		ug/Kg	☼	98	70 - 128	1	22
Trichloroethene	ND		42.7	39.4		ug/Kg	☼	92	76 - 119	0	21
Trichlorofluoromethane	ND		42.7	44.2		ug/Kg	☼	104	20 - 150	2	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		42.7	51.4		ug/Kg	☼	120	55 - 130	1	37
Vinyl chloride	ND		42.7	43.4		ug/Kg	☼	102	63 - 124	1	27

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*
Dibromofluoromethane (Surr)	*96*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*99*		*52 - 124*
Toluene-d8 (Surr)	*95*		*72 - 127*

Lab Sample ID: MB 180-115538/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115535 **Prep Batch: 115538**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Benzene	ND		5.0	0.68	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Bromoform	ND		5.0	0.44	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Chloroform	ND		5.0	0.58	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/21/14 05:34	08/21/14 08:03	1

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

Lab Sample ID: MB 180-115538/1-A
Matrix: Solid
Analysis Batch: 115535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Styrene	ND		5.0	0.71	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Toluene	ND		5.0	0.73	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Trichloroethene	ND		5.0	0.66	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/21/14 05:34	08/21/14 08:03	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/21/14 05:34*	*08/21/14 08:03*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/21/14 05:34*	*08/21/14 08:03*	*1*
Dibromofluoromethane (Surr)	*101*		*68 - 121*	*08/21/14 05:34*	*08/21/14 08:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*52 - 124*	*08/21/14 05:34*	*08/21/14 08:03*	*1*
Toluene-d8 (Surr)	*97*		*72 - 127*	*08/21/14 05:34*	*08/21/14 08:03*	*1*

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

Lab Sample ID: LCS 180-115538/2-A
Matrix: Solid
Analysis Batch: 115535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	38.9		ug/Kg		97	20 - 150
Benzene	40.0	39.8		ug/Kg		100	77 - 120
Bromoform	40.0	37.0		ug/Kg		93	53 - 140
Bromomethane	40.0	47.4		ug/Kg		119	25 - 150
2-Butanone (MEK)	40.0	35.0		ug/Kg		88	35 - 149
Carbon disulfide	40.0	42.8		ug/Kg		107	50 - 127
Carbon tetrachloride	40.0	46.0		ug/Kg		115	69 - 122
Chlorobenzene	40.0	39.3		ug/Kg		98	79 - 120
Chlorobromomethane	40.0	42.3		ug/Kg		106	67 - 126
Chlorodibromomethane	40.0	40.7		ug/Kg		102	70 - 132
Chloroethane	40.0	44.4		ug/Kg		111	22 - 150
Chloroform	40.0	43.8		ug/Kg		109	72 - 120
Chloromethane	40.0	45.3		ug/Kg		113	44 - 131
cis-1,2-Dichloroethene	40.0	42.5		ug/Kg		106	80 - 118
cis-1,3-Dichloropropene	40.0	38.2		ug/Kg		96	73 - 120
Cyclohexane	40.0	40.5		ug/Kg		101	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	37.8		ug/Kg		94	35 - 136
1,2-Dibromoethane	40.0	40.7		ug/Kg		102	70 - 131
1,2-Dichlorobenzene	40.0	39.8		ug/Kg		100	71 - 124
1,3-Dichlorobenzene	40.0	39.0		ug/Kg		97	75 - 118
1,4-Dichlorobenzene	40.0	38.8		ug/Kg		97	77 - 116
Dichlorobromomethane	40.0	40.5		ug/Kg		101	70 - 125
Dichlorodifluoromethane	40.0	41.9		ug/Kg		105	25 - 150
1,1-Dichloroethane	40.0	41.7		ug/Kg		104	66 - 124
1,2-Dichloroethane	40.0	45.8		ug/Kg		115	61 - 127
1,1-Dichloroethene	40.0	44.9		ug/Kg		112	59 - 129
1,2-Dichloropropane	40.0	37.9		ug/Kg		95	72 - 122
1,4-Dioxane	800	849	J	ug/Kg		106	10 - 160
Ethylbenzene	40.0	39.1		ug/Kg		98	78 - 125
2-Hexanone	40.0	34.2		ug/Kg		85	32 - 150
Isopropylbenzene	40.0	40.2		ug/Kg		100	70 - 133
Methyl acetate	200	205		ug/Kg		102	27 - 142
Methylcyclohexane	40.0	37.1		ug/Kg		93	66 - 135
Methylene Chloride	40.0	39.7		ug/Kg		99	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	39.2		ug/Kg		98	44 - 148
Methyl tert-butyl ether	40.0	45.4		ug/Kg		114	48 - 132
m-Xylene & p-Xylene	40.0	39.4		ug/Kg		98	75 - 126
o-Xylene	40.0	39.5		ug/Kg		99	83 - 127
Styrene	40.0	39.8		ug/Kg		100	83 - 129
1,1,2,2-Tetrachloroethane	40.0	38.2		ug/Kg		96	60 - 139
Tetrachloroethene	40.0	38.5		ug/Kg		96	78 - 129
Toluene	40.0	39.2		ug/Kg		98	78 - 124
trans-1,2-Dichloroethene	40.0	43.6		ug/Kg		109	77 - 121
trans-1,3-Dichloropropene	40.0	41.8		ug/Kg		105	74 - 129
1,2,3-Trichlorobenzene	40.0	34.0		ug/Kg		85	37 - 144
1,2,4-Trichlorobenzene	40.0	36.0		ug/Kg		90	51 - 136
1,1,1-Trichloroethane	40.0	46.4		ug/Kg		116	67 - 126
1,1,2-Trichloroethane	40.0	39.8		ug/Kg		99	70 - 128

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

Lab Sample ID: LCS 180-115538/2-A
Matrix: Solid
Analysis Batch: 115535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	40.0	38.0		ug/Kg		95	76 - 119
Trichlorofluoromethane	40.0	38.0		ug/Kg		95	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	48.2		ug/Kg		121	55 - 130
Vinyl chloride	40.0	41.4		ug/Kg		103	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*
Dibromofluoromethane (Surr)	*100*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*
Toluene-d8 (Surr)	*92*		*72 - 127*

Lab Sample ID: MB 180-115669/1-A
Matrix: Solid
Analysis Batch: 115665

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Benzene	ND		5.0	0.68	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Bromoform	ND		5.0	0.44	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Chloroform	ND		5.0	0.58	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/22/14 04:01	08/22/14 06:55	1

QC Sample Results

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

Lab Sample ID: MB 180-115669/1-A
Matrix: Solid
Analysis Batch: 115665

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		5.0	0.90	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Styrene	ND		5.0	0.71	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Toluene	ND		5.0	0.73	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Trichloroethene	ND		5.0	0.66	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/22/14 04:01	08/22/14 06:55	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/22/14 04:01*	*08/22/14 06:55*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*63 - 120*	*08/22/14 04:01*	*08/22/14 06:55*	*1*
Dibromofluoromethane (Surr)	*101*		*68 - 121*	*08/22/14 04:01*	*08/22/14 06:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*52 - 124*	*08/22/14 04:01*	*08/22/14 06:55*	*1*
Toluene-d8 (Surr)	*94*		*72 - 127*	*08/22/14 04:01*	*08/22/14 06:55*	*1*

Lab Sample ID: LCS 180-115669/2-A
Matrix: Solid
Analysis Batch: 115665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115669

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	36.7		ug/Kg		92	20 - 150
Benzene	40.0	39.6		ug/Kg		99	77 - 120
Bromoform	40.0	38.8		ug/Kg		97	53 - 140
Bromomethane	40.0	44.1		ug/Kg		110	25 - 150
2-Butanone (MEK)	40.0	32.0		ug/Kg		80	35 - 149
Carbon disulfide	40.0	43.9		ug/Kg		110	50 - 127
Carbon tetrachloride	40.0	45.1		ug/Kg		113	69 - 122
Chlorobenzene	40.0	38.6		ug/Kg		96	79 - 120
Chlorobromomethane	40.0	41.4		ug/Kg		104	67 - 126
Chlorodibromomethane	40.0	41.7		ug/Kg		104	70 - 132
Chloroethane	40.0	43.7		ug/Kg		109	22 - 150

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

Lab Sample ID: LCS 180-115669/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115665 **Prep Batch: 115669**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	40.0	43.0		ug/Kg		107	72 - 120
Chloromethane	40.0	41.5		ug/Kg		104	44 - 131
cis-1,2-Dichloroethene	40.0	41.3		ug/Kg		103	80 - 118
cis-1,3-Dichloropropene	40.0	39.3		ug/Kg		98	73 - 120
Cyclohexane	40.0	39.5		ug/Kg		99	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	34.6		ug/Kg		86	35 - 136
1,2-Dibromoethane	40.0	39.7		ug/Kg		99	70 - 131
1,2-Dichlorobenzene	40.0	37.8		ug/Kg		95	71 - 124
1,3-Dichlorobenzene	40.0	38.5		ug/Kg		96	75 - 118
1,4-Dichlorobenzene	40.0	37.8		ug/Kg		95	77 - 116
Dichlorobromomethane	40.0	40.1		ug/Kg		100	70 - 125
Dichlorodifluoromethane	40.0	39.2		ug/Kg		98	25 - 150
1,1-Dichloroethane	40.0	40.8		ug/Kg		102	66 - 124
1,2-Dichloroethane	40.0	43.8		ug/Kg		109	61 - 127
1,1-Dichloroethene	40.0	44.0		ug/Kg		110	59 - 129
1,2-Dichloropropane	40.0	38.5		ug/Kg		96	72 - 122
1,4-Dioxane	800	847	J	ug/Kg		106	10 - 160
Ethylbenzene	40.0	38.0		ug/Kg		95	78 - 125
2-Hexanone	40.0	33.8		ug/Kg		84	32 - 150
Isopropylbenzene	40.0	38.6		ug/Kg		96	70 - 133
Methyl acetate	200	194		ug/Kg		97	27 - 142
Methylcyclohexane	40.0	38.4		ug/Kg		96	66 - 135
Methylene Chloride	40.0	38.6		ug/Kg		97	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	37.2		ug/Kg		93	44 - 148
Methyl tert-butyl ether	40.0	46.1		ug/Kg		115	48 - 132
m-Xylene & p-Xylene	40.0	37.6		ug/Kg		94	75 - 126
o-Xylene	40.0	38.8		ug/Kg		97	83 - 127
Styrene	40.0	38.7		ug/Kg		97	83 - 129
1,1,2,2-Tetrachloroethane	40.0	37.3		ug/Kg		93	60 - 139
Tetrachloroethene	40.0	38.2		ug/Kg		95	78 - 129
Toluene	40.0	38.4		ug/Kg		96	78 - 124
trans-1,2-Dichloroethene	40.0	41.9		ug/Kg		105	77 - 121
trans-1,3-Dichloropropene	40.0	41.5		ug/Kg		104	74 - 129
1,2,3-Trichlorobenzene	40.0	31.9		ug/Kg		80	37 - 144
1,2,4-Trichlorobenzene	40.0	33.4		ug/Kg		84	51 - 136
1,1,1-Trichloroethane	40.0	45.8		ug/Kg		114	67 - 126
1,1,2-Trichloroethane	40.0	39.0		ug/Kg		98	70 - 128
Trichloroethene	40.0	37.7		ug/Kg		94	76 - 119
Trichlorofluoromethane	40.0	40.2		ug/Kg		101	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	47.5		ug/Kg		119	55 - 130
Vinyl chloride	40.0	39.7		ug/Kg		99	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*
Dibromofluoromethane (Surr)	*104*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*106*		*52 - 124*
Toluene-d8 (Surr)	*95*		*72 - 127*

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

Lab Sample ID: MB 180-115716/1-A
Matrix: Solid
Analysis Batch: 115684

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115716

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Benzene	ND		5.0	0.68	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Bromoform	ND		5.0	0.44	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Chloroform	ND		5.0	0.58	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Styrene	ND		5.0	0.71	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Toluene	ND		5.0	0.73	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/22/14 07:58	08/22/14 11:56	1

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

Lab Sample ID: MB 180-115716/1-A
Matrix: Solid
Analysis Batch: 115684

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115716

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.0	0.66	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/22/14 07:58	08/22/14 11:56	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/22/14 07:58	08/22/14 11:56	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/22/14 07:58*	*08/22/14 11:56*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*63 - 120*	*08/22/14 07:58*	*08/22/14 11:56*	*1*
Dibromofluoromethane (Surr)	*78*		*68 - 121*	*08/22/14 07:58*	*08/22/14 11:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*65*		*52 - 124*	*08/22/14 07:58*	*08/22/14 11:56*	*1*
Toluene-d8 (Surr)	*111*		*72 - 127*	*08/22/14 07:58*	*08/22/14 11:56*	*1*

Lab Sample ID: LCS 180-115716/2-A
Matrix: Solid
Analysis Batch: 115684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115716

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	33.9		ug/Kg		85	20 - 150
Benzene	40.0	43.3		ug/Kg		108	77 - 120
Bromoform	40.0	33.9		ug/Kg		85	53 - 140
Bromomethane	40.0	43.2		ug/Kg		108	25 - 150
2-Butanone (MEK)	40.0	34.8		ug/Kg		87	35 - 149
Carbon disulfide	40.0	46.6		ug/Kg		116	50 - 127
Carbon tetrachloride	40.0	46.2		ug/Kg		116	69 - 122
Chlorobenzene	40.0	43.1		ug/Kg		108	79 - 120
Chlorobromomethane	40.0	38.4		ug/Kg		96	67 - 126
Chlorodibromomethane	40.0	39.7		ug/Kg		99	70 - 132
Chloroethane	40.0	43.0		ug/Kg		108	22 - 150
Chloroform	40.0	42.5		ug/Kg		106	72 - 120
Chloromethane	40.0	43.1		ug/Kg		108	44 - 131
cis-1,2-Dichloroethene	40.0	41.8		ug/Kg		104	80 - 118
cis-1,3-Dichloropropene	40.0	42.9		ug/Kg		107	73 - 120
Cyclohexane	40.0	43.9		ug/Kg		110	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	34.3		ug/Kg		86	35 - 136
1,2-Dibromoethane	40.0	36.5		ug/Kg		91	70 - 131
1,2-Dichlorobenzene	40.0	40.7		ug/Kg		102	71 - 124
1,3-Dichlorobenzene	40.0	45.1		ug/Kg		113	75 - 118
1,4-Dichlorobenzene	40.0	39.0		ug/Kg		97	77 - 116
Dichlorobromomethane	40.0	45.1		ug/Kg		113	70 - 125
Dichlorodifluoromethane	40.0	42.7		ug/Kg		107	25 - 150
1,1-Dichloroethane	40.0	43.3		ug/Kg		108	66 - 124
1,2-Dichloroethane	40.0	37.6		ug/Kg		94	61 - 127
1,1-Dichloroethene	40.0	42.6		ug/Kg		107	59 - 129
1,2-Dichloropropane	40.0	41.8		ug/Kg		105	72 - 122
1,4-Dioxane	800	622	J	ug/Kg		78	10 - 160

QC Sample Results

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

Lab Sample ID: LCS 180-115716/2-A
Matrix: Solid
Analysis Batch: 115684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115716

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	40.0	45.0		ug/Kg		112	78 - 125
2-Hexanone	40.0	30.4		ug/Kg		76	32 - 150
Isopropylbenzene	40.0	43.3		ug/Kg		108	70 - 133
Methyl acetate	200	196		ug/Kg		98	27 - 142
Methylcyclohexane	40.0	44.6		ug/Kg		112	66 - 135
Methylene Chloride	40.0	36.3		ug/Kg		91	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	30.6		ug/Kg		77	44 - 148
Methyl tert-butyl ether	40.0	40.4		ug/Kg		101	48 - 132
m-Xylene & p-Xylene	40.0	46.6		ug/Kg		116	75 - 126
o-Xylene	40.0	44.0		ug/Kg		110	83 - 127
Styrene	40.0	46.0		ug/Kg		115	83 - 129
1,1,2,2-Tetrachloroethane	40.0	36.0		ug/Kg		90	60 - 139
Tetrachloroethene	40.0	42.1		ug/Kg		105	78 - 129
Toluene	40.0	42.1		ug/Kg		105	78 - 124
trans-1,2-Dichloroethene	40.0	42.5		ug/Kg		106	77 - 121
trans-1,3-Dichloropropene	40.0	38.2		ug/Kg		96	74 - 129
1,2,3-Trichlorobenzene	40.0	34.3		ug/Kg		86	37 - 144
1,2,4-Trichlorobenzene	40.0	32.4		ug/Kg		81	51 - 136
1,1,1-Trichloroethane	40.0	44.2		ug/Kg		111	67 - 126
1,1,2-Trichloroethane	40.0	36.7		ug/Kg		92	70 - 128
Trichloroethene	40.0	42.6		ug/Kg		107	76 - 119
Trichlorofluoromethane	40.0	44.3		ug/Kg		111	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	43.9		ug/Kg		110	55 - 130
Vinyl chloride	40.0	42.9		ug/Kg		107	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*
Dibromofluoromethane (Surr)	*91*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*80*		*52 - 124*
Toluene-d8 (Surr)	*95*		*72 - 127*

Lab Sample ID: LCSD 180-115716/3-A
Matrix: Solid
Analysis Batch: 115684

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115716

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	40.0	43.6		ug/Kg		109	20 - 150	25	40
Benzene	40.0	44.4		ug/Kg		111	77 - 120	3	20
Bromoform	40.0	40.8		ug/Kg		102	53 - 140	18	23
Bromomethane	40.0	43.7		ug/Kg		109	25 - 150	1	40
2-Butanone (MEK)	40.0	47.8		ug/Kg		119	35 - 149	31	36
Carbon disulfide	40.0	46.6		ug/Kg		117	50 - 127	0	23
Carbon tetrachloride	40.0	45.3		ug/Kg		113	69 - 122	2	22
Chlorobenzene	40.0	45.6		ug/Kg		114	79 - 120	6	20
Chlorobromomethane	40.0	42.2		ug/Kg		105	67 - 126	9	29
Chlorodibromomethane	40.0	46.3		ug/Kg		116	70 - 132	16	20
Chloroethane	40.0	41.4		ug/Kg		104	22 - 150	4	40

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

Lab Sample ID: LCSD 180-115716/3-A
Matrix: Solid
Analysis Batch: 115684

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115716

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroform	40.0	44.5		ug/Kg		111	72 - 120	5	25
Chloromethane	40.0	44.2		ug/Kg		110	44 - 131	2	27
cis-1,2-Dichloroethene	40.0	44.7		ug/Kg		112	80 - 118	7	20
cis-1,3-Dichloropropene	40.0	48.7	*	ug/Kg		122	73 - 120	13	20
Cyclohexane	40.0	43.6		ug/Kg		109	64 - 130	1	21
1,2-Dibromo-3-Chloropropane	40.0	32.6		ug/Kg		82	35 - 136	5	40
1,2-Dibromoethane	40.0	45.8	*	ug/Kg		114	70 - 131	23	20
1,2-Dichlorobenzene	40.0	43.3		ug/Kg		108	71 - 124	6	22
1,3-Dichlorobenzene	40.0	44.0		ug/Kg		110	75 - 118	3	20
1,4-Dichlorobenzene	40.0	40.6		ug/Kg		101	77 - 116	4	20
Dichlorobromomethane	40.0	46.3		ug/Kg		116	70 - 125	3	21
Dichlorodifluoromethane	40.0	40.8		ug/Kg		102	25 - 150	4	34
1,1-Dichloroethane	40.0	45.2		ug/Kg		113	66 - 124	4	23
1,2-Dichloroethane	40.0	43.3		ug/Kg		108	61 - 127	14	23
1,1-Dichloroethene	40.0	43.5		ug/Kg		109	59 - 129	2	25
1,2-Dichloropropane	40.0	44.5		ug/Kg		111	72 - 122	6	20
1,4-Dioxane	800	823	J	ug/Kg		103	10 - 160	28	40
Ethylbenzene	40.0	47.2		ug/Kg		118	78 - 125	5	21
2-Hexanone	40.0	42.0		ug/Kg		105	32 - 150	32	32
Isopropylbenzene	40.0	44.4		ug/Kg		111	70 - 133	3	22
Methyl acetate	200	251		ug/Kg		126	27 - 142	25	40
Methylcyclohexane	40.0	44.1		ug/Kg		110	66 - 135	1	23
Methylene Chloride	40.0	38.0		ug/Kg		95	58 - 127	4	28
4-Methyl-2-pentanone (MIBK)	40.0	42.5	*	ug/Kg		106	44 - 148	32	30
Methyl tert-butyl ether	40.0	46.0		ug/Kg		115	48 - 132	13	36
m-Xylene & p-Xylene	40.0	48.8		ug/Kg		122	75 - 126	5	21
o-Xylene	40.0	46.0		ug/Kg		115	83 - 127	4	20
Styrene	40.0	49.4		ug/Kg		124	83 - 129	7	20
1,1,2,2-Tetrachloroethane	40.0	44.2		ug/Kg		110	60 - 139	21	24
Tetrachloroethene	40.0	43.6		ug/Kg		109	78 - 129	4	20
Toluene	40.0	45.2		ug/Kg		113	78 - 124	7	21
trans-1,2-Dichloroethene	40.0	42.6		ug/Kg		106	77 - 121	0	20
trans-1,3-Dichloropropene	40.0	45.5		ug/Kg		114	74 - 129	17	20
1,2,3-Trichlorobenzene	40.0	41.3		ug/Kg		103	37 - 144	18	40
1,2,4-Trichlorobenzene	40.0	36.8		ug/Kg		92	51 - 136	13	40
1,1,1-Trichloroethane	40.0	44.6		ug/Kg		112	67 - 126	1	31
1,1,2-Trichloroethane	40.0	42.8		ug/Kg		107	70 - 128	15	22
Trichloroethene	40.0	43.5		ug/Kg		109	76 - 119	2	21
Trichlorofluoromethane	40.0	43.3		ug/Kg		108	20 - 150	2	40
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	43.0		ug/Kg		107	55 - 130	2	37
Vinyl chloride	40.0	43.7		ug/Kg		109	63 - 124	2	27

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*
Dibromofluoromethane (Surr)	*95*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*89*		*52 - 124*
Toluene-d8 (Surr)	*94*		*72 - 127*

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

Lab Sample ID: MB 180-115779/1-A
Matrix: Solid
Analysis Batch: 115777

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115779

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Benzene	ND		5.0	0.68	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Bromoform	ND		5.0	0.44	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Chloroform	ND		5.0	0.58	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Styrene	ND		5.0	0.71	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Toluene	ND		5.0	0.73	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/22/14 20:52	08/22/14 23:17	1

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

Lab Sample ID: MB 180-115779/1-A
Matrix: Solid
Analysis Batch: 115777

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115779

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.0	0.66	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/22/14 20:52	08/22/14 23:17	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/22/14 20:52*	*08/22/14 23:17*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*	*08/22/14 20:52*	*08/22/14 23:17*	*1*
Dibromofluoromethane (Surr)	*103*		*68 - 121*	*08/22/14 20:52*	*08/22/14 23:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*52 - 124*	*08/22/14 20:52*	*08/22/14 23:17*	*1*
Toluene-d8 (Surr)	*95*		*72 - 127*	*08/22/14 20:52*	*08/22/14 23:17*	*1*

Lab Sample ID: LCS 180-115779/2-A
Matrix: Solid
Analysis Batch: 115777

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115779

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	36.2		ug/Kg		90	20 - 150
Benzene	40.0	39.6		ug/Kg		99	77 - 120
Bromoform	40.0	38.5		ug/Kg		96	53 - 140
Bromomethane	40.0	46.1		ug/Kg		115	25 - 150
2-Butanone (MEK)	40.0	32.0		ug/Kg		80	35 - 149
Carbon disulfide	40.0	43.9		ug/Kg		110	50 - 127
Carbon tetrachloride	40.0	46.6		ug/Kg		117	69 - 122
Chlorobenzene	40.0	38.7		ug/Kg		97	79 - 120
Chlorobromomethane	40.0	41.8		ug/Kg		105	67 - 126
Chlorodibromomethane	40.0	41.1		ug/Kg		103	70 - 132
Chloroethane	40.0	44.4		ug/Kg		111	22 - 150
Chloroform	40.0	45.3		ug/Kg		113	72 - 120
Chloromethane	40.0	46.0		ug/Kg		115	44 - 131
cis-1,2-Dichloroethene	40.0	40.8		ug/Kg		102	80 - 118
cis-1,3-Dichloropropene	40.0	38.1		ug/Kg		95	73 - 120
Cyclohexane	40.0	41.9		ug/Kg		105	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	36.8		ug/Kg		92	35 - 136
1,2-Dibromoethane	40.0	39.7		ug/Kg		99	70 - 131
1,2-Dichlorobenzene	40.0	37.8		ug/Kg		95	71 - 124
1,3-Dichlorobenzene	40.0	38.5		ug/Kg		96	75 - 118
1,4-Dichlorobenzene	40.0	38.5		ug/Kg		96	77 - 116
Dichlorobromomethane	40.0	40.7		ug/Kg		102	70 - 125
Dichlorodifluoromethane	40.0	40.8		ug/Kg		102	25 - 150
1,1-Dichloroethane	40.0	42.3		ug/Kg		106	66 - 124
1,2-Dichloroethane	40.0	44.2		ug/Kg		110	61 - 127
1,1-Dichloroethene	40.0	44.7		ug/Kg		112	59 - 129
1,2-Dichloropropane	40.0	38.3		ug/Kg		96	72 - 122
1,4-Dioxane	800	886	J	ug/Kg		111	10 - 160

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

Lab Sample ID: LCS 180-115779/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115777 **Prep Batch: 115779**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	40.0	39.0		ug/Kg		97	78 - 125
2-Hexanone	40.0	34.8		ug/Kg		87	32 - 150
Isopropylbenzene	40.0	40.3		ug/Kg		101	70 - 133
Methyl acetate	200	202		ug/Kg		101	27 - 142
Methylcyclohexane	40.0	37.8		ug/Kg		95	66 - 135
Methylene Chloride	40.0	36.6		ug/Kg		91	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	39.0		ug/Kg		98	44 - 148
Methyl tert-butyl ether	40.0	45.0		ug/Kg		113	48 - 132
m-Xylene & p-Xylene	40.0	38.0		ug/Kg		95	75 - 126
o-Xylene	40.0	38.6		ug/Kg		96	83 - 127
Styrene	40.0	39.2		ug/Kg		98	83 - 129
1,1,2,2-Tetrachloroethane	40.0	37.1		ug/Kg		93	60 - 139
Tetrachloroethene	40.0	37.7		ug/Kg		94	78 - 129
Toluene	40.0	38.4		ug/Kg		96	78 - 124
trans-1,2-Dichloroethene	40.0	49.4	*	ug/Kg		123	77 - 121
trans-1,3-Dichloropropene	40.0	40.8		ug/Kg		102	74 - 129
1,2,3-Trichlorobenzene	40.0	34.0		ug/Kg		85	37 - 144
1,2,4-Trichlorobenzene	40.0	35.8		ug/Kg		90	51 - 136
1,1,1-Trichloroethane	40.0	48.2		ug/Kg		121	67 - 126
1,1,2-Trichloroethane	40.0	38.7		ug/Kg		97	70 - 128
Trichloroethene	40.0	37.5		ug/Kg		94	76 - 119
Trichlorofluoromethane	40.0	42.9		ug/Kg		107	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	47.8		ug/Kg		120	55 - 130
Vinyl chloride	40.0	40.1		ug/Kg		100	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*
Dibromofluoromethane (Surr)	*104*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*107*		*52 - 124*
Toluene-d8 (Surr)	*92*		*72 - 127*

Lab Sample ID: LCSD 180-115779/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115777 **Prep Batch: 115779**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	40.0	40.1		ug/Kg		100	20 - 150	10	40
Benzene	40.0	42.4		ug/Kg		106	77 - 120	7	20
Bromoform	40.0	42.4		ug/Kg		106	53 - 140	10	23
Bromomethane	40.0	48.9		ug/Kg		122	25 - 150	6	40
2-Butanone (MEK)	40.0	34.2		ug/Kg		86	35 - 149	7	36
Carbon disulfide	40.0	47.8		ug/Kg		120	50 - 127	8	23
Carbon tetrachloride	40.0	50.6	*	ug/Kg		127	69 - 122	8	22
Chlorobenzene	40.0	41.1		ug/Kg		103	79 - 120	6	20
Chlorobromomethane	40.0	45.3		ug/Kg		113	67 - 126	8	29
Chlorodibromomethane	40.0	43.2		ug/Kg		108	70 - 132	5	20
Chloroethane	40.0	47.3		ug/Kg		118	22 - 150	6	40

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

Lab Sample ID: LCSD 180-115779/3-A
Matrix: Solid
Analysis Batch: 115777

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115779

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroform	40.0	47.2		ug/Kg		118	72 - 120	4	25
Chloromethane	40.0	47.8		ug/Kg		119	44 - 131	4	27
cis-1,2-Dichloroethene	40.0	43.2		ug/Kg		108	80 - 118	6	20
cis-1,3-Dichloropropene	40.0	40.8		ug/Kg		102	73 - 120	7	20
Cyclohexane	40.0	45.2		ug/Kg		113	64 - 130	7	21
1,2-Dibromo-3-Chloropropane	40.0	38.2		ug/Kg		96	35 - 136	4	40
1,2-Dibromoethane	40.0	41.8		ug/Kg		105	70 - 131	5	20
1,2-Dichlorobenzene	40.0	41.0		ug/Kg		102	71 - 124	8	22
1,3-Dichlorobenzene	40.0	41.0		ug/Kg		102	75 - 118	6	20
1,4-Dichlorobenzene	40.0	41.2		ug/Kg		103	77 - 116	7	20
Dichlorobromomethane	40.0	43.1		ug/Kg		108	70 - 125	6	21
Dichlorodifluoromethane	40.0	44.1		ug/Kg		110	25 - 150	8	34
1,1-Dichloroethane	40.0	45.8		ug/Kg		114	66 - 124	8	23
1,2-Dichloroethane	40.0	47.6		ug/Kg		119	61 - 127	7	23
1,1-Dichloroethene	40.0	45.0		ug/Kg		112	59 - 129	1	25
1,2-Dichloropropane	40.0	40.4		ug/Kg		101	72 - 122	5	20
1,4-Dioxane	800	875	J	ug/Kg		109	10 - 160	1	40
Ethylbenzene	40.0	40.5		ug/Kg		101	78 - 125	4	21
2-Hexanone	40.0	36.1		ug/Kg		90	32 - 150	4	32
Isopropylbenzene	40.0	42.4		ug/Kg		106	70 - 133	5	22
Methyl acetate	200	216		ug/Kg		108	27 - 142	7	40
Methylcyclohexane	40.0	40.8		ug/Kg		102	66 - 135	8	23
Methylene Chloride	40.0	39.3		ug/Kg		98	58 - 127	7	28
4-Methyl-2-pentanone (MIBK)	40.0	42.0		ug/Kg		105	44 - 148	7	30
Methyl tert-butyl ether	40.0	49.3		ug/Kg		123	48 - 132	9	36
m-Xylene & p-Xylene	40.0	40.0		ug/Kg		100	75 - 126	5	21
o-Xylene	40.0	40.9		ug/Kg		102	83 - 127	6	20
Styrene	40.0	41.6		ug/Kg		104	83 - 129	6	20
1,1,2,2-Tetrachloroethane	40.0	40.0		ug/Kg		100	60 - 139	8	24
Tetrachloroethene	40.0	40.5		ug/Kg		101	78 - 129	7	20
Toluene	40.0	40.5		ug/Kg		101	78 - 124	5	21
trans-1,2-Dichloroethene	40.0	53.4	*	ug/Kg		134	77 - 121	8	20
trans-1,3-Dichloropropene	40.0	43.9		ug/Kg		110	74 - 129	7	20
1,2,3-Trichlorobenzene	40.0	38.5		ug/Kg		96	37 - 144	12	40
1,2,4-Trichlorobenzene	40.0	40.2		ug/Kg		101	51 - 136	12	40
1,1,1-Trichloroethane	40.0	51.9	*	ug/Kg		130	67 - 126	7	31
1,1,2-Trichloroethane	40.0	40.5		ug/Kg		101	70 - 128	5	22
Trichloroethene	40.0	40.6		ug/Kg		102	76 - 119	8	21
Trichlorofluoromethane	40.0	44.2		ug/Kg		110	20 - 150	3	40
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	52.3	*	ug/Kg		131	55 - 130	9	37
Vinyl chloride	40.0	45.3		ug/Kg		113	63 - 124	12	27

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*63 - 120*
Dibromofluoromethane (Surr)	*108*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*114*		*52 - 124*
Toluene-d8 (Surr)	*96*		*72 - 127*

QC Sample Results

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

Lab Sample ID: MB 180-115842/1-A
Matrix: Solid
Analysis Batch: 115898

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20000	5000	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Benzene	ND		5000	990	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Bromoform	ND		5000	1100	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Bromomethane	ND		5000	1600	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
2-Butanone (MEK)	ND		5000	1100	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Carbon disulfide	ND		5000	1100	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Carbon tetrachloride	ND		5000	1100	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Chlorobenzene	ND		5000	530	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Chlorobromomethane	ND		5000	1000	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Chlorodibromomethane	ND		5000	650	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Chloroethane	ND		5000	750	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Chloroform	ND		5000	1000	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Chloromethane	ND		5000	1400	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
cis-1,2-Dichloroethene	ND		5000	670	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
cis-1,3-Dichloropropene	ND		5000	730	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Cyclohexane	ND		5000	600	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,2-Dibromo-3-Chloropropane	ND		5000	350	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,2-Dibromoethane	ND		5000	610	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,2-Dichlorobenzene	ND		5000	680	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,3-Dichlorobenzene	ND		5000	510	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,4-Dichlorobenzene	ND		5000	530	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Dichlorobromomethane	ND		5000	930	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Dichlorodifluoromethane	ND		5000	640	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,1-Dichloroethane	ND		5000	1000	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,2-Dichloroethane	ND		5000	960	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,1-Dichloroethene	ND		5000	1100	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,2-Dichloropropane	ND		5000	1300	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,4-Dioxane	ND		1000000	98000	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Ethylbenzene	ND		5000	620	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
2-Hexanone	ND		5000	570	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Isopropylbenzene	ND		5000	530	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Methyl acetate	ND		5000	1200	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Methylcyclohexane	ND		5000	560	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Methylene Chloride	ND		5000	1100	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
4-Methyl-2-pentanone (MIBK)	ND		5000	590	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Methyl tert-butyl ether	ND		5000	1000	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
m-Xylene & p-Xylene	ND		10000	1300	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
o-Xylene	ND		5000	730	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Styrene	ND		5000	640	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,1,2,2-Tetrachloroethane	ND		5000	930	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Tetrachloroethene	ND		5000	830	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Toluene	ND		5000	850	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
trans-1,2-Dichloroethene	ND		5000	750	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
trans-1,3-Dichloropropene	ND		5000	580	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,2,3-Trichlorobenzene	ND		5000	630	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,2,4-Trichlorobenzene	ND		5000	380	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,1,1-Trichloroethane	ND		5000	1000	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,1,2-Trichloroethane	ND		5000	1200	ug/Kg		08/24/14 10:06	08/25/14 11:52	1

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

Lab Sample ID: MB 180-115842/1-A
Matrix: Solid
Analysis Batch: 115898

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5000	800	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Trichlorofluoromethane	ND		5000	1100	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5000	330	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Vinyl chloride	ND		5000	1300	ug/Kg		08/24/14 10:06	08/25/14 11:52	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/24/14 10:06*	*08/25/14 11:52*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*63 - 120*	*08/24/14 10:06*	*08/25/14 11:52*	*1*
Dibromofluoromethane (Surr)	*96*		*68 - 121*	*08/24/14 10:06*	*08/25/14 11:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*78*		*52 - 124*	*08/24/14 10:06*	*08/25/14 11:52*	*1*
Toluene-d8 (Surr)	*108*		*72 - 127*	*08/24/14 10:06*	*08/25/14 11:52*	*1*

Lab Sample ID: LCS 180-115842/2-A
Matrix: Solid
Analysis Batch: 115898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115842

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40000	15300	J	ug/Kg		38	20 - 150
Benzene	40000	39100		ug/Kg		98	77 - 120
Bromoform	40000	31200		ug/Kg		78	53 - 140
Bromomethane	40000	33600		ug/Kg		84	25 - 150
2-Butanone (MEK)	40000	23200		ug/Kg		58	35 - 149
Carbon disulfide	40000	42500		ug/Kg		106	50 - 127
Carbon tetrachloride	40000	41200		ug/Kg		103	69 - 122
Chlorobenzene	40000	36700		ug/Kg		92	79 - 120
Chlorobromomethane	40000	37900		ug/Kg		95	67 - 126
Chlorodibromomethane	40000	33200		ug/Kg		83	70 - 132
Chloroethane	40000	33300		ug/Kg		83	22 - 150
Chloroform	40000	37700		ug/Kg		94	72 - 120
Chloromethane	40000	38400		ug/Kg		96	44 - 131
cis-1,2-Dichloroethene	40000	39000		ug/Kg		98	80 - 118
cis-1,3-Dichloropropene	40000	38800		ug/Kg		97	73 - 120
Cyclohexane	40000	39200		ug/Kg		98	64 - 130
1,2-Dibromo-3-Chloropropane	40000	27500		ug/Kg		69	35 - 136
1,2-Dibromoethane	40000	28700		ug/Kg		72	70 - 131
1,2-Dichlorobenzene	40000	35000		ug/Kg		88	71 - 124
1,3-Dichlorobenzene	40000	39900		ug/Kg		100	75 - 118
1,4-Dichlorobenzene	40000	34900		ug/Kg		87	77 - 116
Dichlorobromomethane	40000	39200		ug/Kg		98	70 - 125
Dichlorodifluoromethane	40000	41300		ug/Kg		103	25 - 150
1,1-Dichloroethane	40000	40100		ug/Kg		100	66 - 124
1,2-Dichloroethane	40000	34600		ug/Kg		86	61 - 127
1,1-Dichloroethene	40000	38500		ug/Kg		96	59 - 129
1,2-Dichloropropane	40000	38700		ug/Kg		97	72 - 122
1,4-Dioxane	800000	603000	J	ug/Kg		75	10 - 160

QC Sample Results

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

Lab Sample ID: LCS 180-115842/2-A
Matrix: Solid
Analysis Batch: 115898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115842

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	40000	37500		ug/Kg		94	78 - 125
2-Hexanone	40000	25900		ug/Kg		65	32 - 150
Isopropylbenzene	40000	39000		ug/Kg		97	70 - 133
Methyl acetate	200000	176000		ug/Kg		88	27 - 142
Methylcyclohexane	40000	39400		ug/Kg		99	66 - 135
Methylene Chloride	40000	33800		ug/Kg		85	58 - 127
4-Methyl-2-pentanone (MIBK)	40000	43800		ug/Kg		109	44 - 148
Methyl tert-butyl ether	40000	35000		ug/Kg		87	48 - 132
m-Xylene & p-Xylene	40000	40700		ug/Kg		102	75 - 126
o-Xylene	40000	38300		ug/Kg		96	83 - 127
Styrene	40000	38000		ug/Kg		95	83 - 129
1,1,2,2-Tetrachloroethane	40000	26800		ug/Kg		67	60 - 139
Tetrachloroethene	40000	35100		ug/Kg		88	78 - 129
Toluene	40000	38000		ug/Kg		95	78 - 124
trans-1,2-Dichloroethene	40000	39800		ug/Kg		99	77 - 121
trans-1,3-Dichloropropene	40000	34800		ug/Kg		87	74 - 129
1,2,3-Trichlorobenzene	40000	38400		ug/Kg		96	37 - 144
1,2,4-Trichlorobenzene	40000	32500		ug/Kg		81	51 - 136
1,1,1-Trichloroethane	40000	39500		ug/Kg		99	67 - 126
1,1,2-Trichloroethane	40000	31200		ug/Kg		78	70 - 128
Trichloroethene	40000	40000		ug/Kg		100	76 - 119
Trichlorofluoromethane	40000	33300		ug/Kg		83	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40000	37000		ug/Kg		93	55 - 130
Vinyl chloride	40000	38500		ug/Kg		96	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*63 - 120*
Dibromofluoromethane (Surr)	*96*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*79*		*52 - 124*
Toluene-d8 (Surr)	*94*		*72 - 127*

Lab Sample ID: LCSD 180-115842/3-A
Matrix: Solid
Analysis Batch: 115898

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115842

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	40000	18700	J	ug/Kg		47	20 - 150	20	40
Benzene	40000	39300		ug/Kg		98	77 - 120	0	20
Bromoform	40000	28400		ug/Kg		71	53 - 140	10	23
Bromomethane	40000	55000	*	ug/Kg		138	25 - 150	48	40
2-Butanone (MEK)	40000	17600		ug/Kg		44	35 - 149	28	36
Carbon disulfide	40000	48100		ug/Kg		120	50 - 127	12	23
Carbon tetrachloride	40000	47000		ug/Kg		117	69 - 122	13	22
Chlorobenzene	40000	37100		ug/Kg		93	79 - 120	1	20
Chlorobromomethane	40000	31500		ug/Kg		79	67 - 126	19	29
Chlorodibromomethane	40000	32700		ug/Kg		82	70 - 132	1	20
Chloroethane	40000	50400	*	ug/Kg		126	22 - 150	41	40

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

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

Lab Sample ID: LCSD 180-115842/3-A
Matrix: Solid
Analysis Batch: 115898

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115842

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroform	40000	38000		ug/Kg		95	72 - 120	1	25
Chloromethane	40000	40100		ug/Kg		100	44 - 131	4	27
cis-1,2-Dichloroethene	40000	38200		ug/Kg		96	80 - 118	2	20
cis-1,3-Dichloropropene	40000	34900		ug/Kg		87	73 - 120	11	20
Cyclohexane	40000	42000		ug/Kg		105	64 - 130	7	21
1,2-Dibromo-3-Chloropropane	40000	33600		ug/Kg		84	35 - 136	20	40
1,2-Dibromoethane	40000	27200	*	ug/Kg		68	70 - 131	5	20
1,2-Dichlorobenzene	40000	36100		ug/Kg		90	71 - 124	3	22
1,3-Dichlorobenzene	40000	40900		ug/Kg		102	75 - 118	2	20
1,4-Dichlorobenzene	40000	35200		ug/Kg		88	77 - 116	1	20
Dichlorobromomethane	40000	37800		ug/Kg		94	70 - 125	4	21
Dichlorodifluoromethane	40000	47500		ug/Kg		119	25 - 150	14	34
1,1-Dichloroethane	40000	41300		ug/Kg		103	66 - 124	3	23
1,2-Dichloroethane	40000	30600		ug/Kg		77	61 - 127	12	23
1,1-Dichloroethene	40000	41600		ug/Kg		104	59 - 129	8	25
1,2-Dichloropropane	40000	37100		ug/Kg		93	72 - 122	4	20
1,4-Dioxane	800000	432000	J	ug/Kg		54	10 - 160	33	40
Ethylbenzene	40000	39700		ug/Kg		99	78 - 125	6	21
2-Hexanone	40000	22600		ug/Kg		56	32 - 150	14	32
Isopropylbenzene	40000	42800		ug/Kg		107	70 - 133	9	22
Methyl acetate	200000	152000		ug/Kg		76	27 - 142	15	40
Methylcyclohexane	40000	44300		ug/Kg		111	66 - 135	12	23
Methylene Chloride	40000	33300		ug/Kg		83	58 - 127	2	28
4-Methyl-2-pentanone (MIBK)	40000	37500		ug/Kg		94	44 - 148	15	30
Methyl tert-butyl ether	40000	31100		ug/Kg		78	48 - 132	12	36
m-Xylene & p-Xylene	40000	40700		ug/Kg		102	75 - 126	0	21
o-Xylene	40000	39400		ug/Kg		98	83 - 127	3	20
Styrene	40000	38800		ug/Kg		97	83 - 129	2	20
1,1,2,2-Tetrachloroethane	40000	25800		ug/Kg		65	60 - 139	4	24
Tetrachloroethene	40000	40700		ug/Kg		102	78 - 129	15	20
Toluene	40000	40000		ug/Kg		100	78 - 124	5	21
trans-1,2-Dichloroethene	40000	40700		ug/Kg		102	77 - 121	2	20
trans-1,3-Dichloropropene	40000	31500		ug/Kg		79	74 - 129	10	20
1,2,3-Trichlorobenzene	40000	33900		ug/Kg		85	37 - 144	12	40
1,2,4-Trichlorobenzene	40000	35800		ug/Kg		89	51 - 136	9	40
1,1,1-Trichloroethane	40000	44000		ug/Kg		110	67 - 126	11	31
1,1,2-Trichloroethane	40000	29300		ug/Kg		73	70 - 128	6	22
Trichloroethene	40000	39900		ug/Kg		100	76 - 119	0	21
Trichlorofluoromethane	40000	41800		ug/Kg		105	20 - 150	23	40
1,1,2-Trichloro-1,2,2-trifluoroethane	40000	40300		ug/Kg		101	55 - 130	8	37
Vinyl chloride	40000	42400		ug/Kg		106	63 - 124	10	27

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*63 - 120*
Dibromofluoromethane (Surr)	*94*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*70*		*52 - 124*
Toluene-d8 (Surr)	*102*		*72 - 127*

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

Lab Sample ID: MB 180-115874/1-A
Matrix: Solid
Analysis Batch: 115865

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115874

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Benzene	ND		5.0	0.68	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Bromoform	ND		5.0	0.44	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Chloroform	ND		5.0	0.58	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Styrene	ND		5.0	0.71	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Toluene	ND		5.0	0.73	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/25/14 04:25	08/25/14 06:27	1

QC Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35818-2
Project/Site: Former Sperry Remington Site - North

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

Lab Sample ID: MB 180-115874/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115865 **Prep Batch: 115874**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.0	0.66	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/25/14 04:25	08/25/14 06:27	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/25/14 04:25*	*08/25/14 06:27*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*63 - 120*	*08/25/14 04:25*	*08/25/14 06:27*	*1*
Dibromofluoromethane (Surr)	*99*		*68 - 121*	*08/25/14 04:25*	*08/25/14 06:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*52 - 124*	*08/25/14 04:25*	*08/25/14 06:27*	*1*
Toluene-d8 (Surr)	*92*		*72 - 127*	*08/25/14 04:25*	*08/25/14 06:27*	*1*

Lab Sample ID: LCS 180-115874/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115865 **Prep Batch: 115874**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	44.1		ug/Kg		110	20 - 150
Benzene	40.0	41.8		ug/Kg		105	77 - 120
Bromoform	40.0	40.6		ug/Kg		101	53 - 140
Bromomethane	40.0	45.4		ug/Kg		114	25 - 150
2-Butanone (MEK)	40.0	38.7		ug/Kg		97	35 - 149
Carbon disulfide	40.0	43.4		ug/Kg		108	50 - 127
Carbon tetrachloride	40.0	50.3	*	ug/Kg		126	69 - 122
Chlorobenzene	40.0	41.7		ug/Kg		104	79 - 120
Chlorobromomethane	40.0	42.6		ug/Kg		107	67 - 126
Chlorodibromomethane	40.0	44.2		ug/Kg		111	70 - 132
Chloroethane	40.0	44.2		ug/Kg		110	22 - 150
Chloroform	40.0	46.4		ug/Kg		116	72 - 120
Chloromethane	40.0	48.2		ug/Kg		121	44 - 131
cis-1,2-Dichloroethene	40.0	42.7		ug/Kg		107	80 - 118
cis-1,3-Dichloropropene	40.0	39.9		ug/Kg		100	73 - 120
Cyclohexane	40.0	44.6		ug/Kg		111	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	39.6		ug/Kg		99	35 - 136
1,2-Dibromoethane	40.0	42.2		ug/Kg		105	70 - 131
1,2-Dichlorobenzene	40.0	40.4		ug/Kg		101	71 - 124
1,3-Dichlorobenzene	40.0	40.4		ug/Kg		101	75 - 118
1,4-Dichlorobenzene	40.0	39.8		ug/Kg		100	77 - 116
Dichlorobromomethane	40.0	43.2		ug/Kg		108	70 - 125
Dichlorodifluoromethane	40.0	44.9		ug/Kg		112	25 - 150
1,1-Dichloroethane	40.0	44.8		ug/Kg		112	66 - 124
1,2-Dichloroethane	40.0	48.0		ug/Kg		120	61 - 127
1,1-Dichloroethene	40.0	47.4		ug/Kg		118	59 - 129
1,2-Dichloropropane	40.0	39.6		ug/Kg		99	72 - 122
1,4-Dioxane	800	813	J	ug/Kg		102	10 - 160

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

Lab Sample ID: LCS 180-115874/2-A
Matrix: Solid
Analysis Batch: 115865

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115874

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	40.0	41.8		ug/Kg		105	78 - 125
2-Hexanone	40.0	43.9		ug/Kg		110	32 - 150
Isopropylbenzene	40.0	43.0		ug/Kg		108	70 - 133
Methyl acetate	200	216		ug/Kg		108	27 - 142
Methylcyclohexane	40.0	40.2		ug/Kg		101	66 - 135
Methylene Chloride	40.0	36.7		ug/Kg		92	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	45.1		ug/Kg		113	44 - 148
Methyl tert-butyl ether	40.0	47.7		ug/Kg		119	48 - 132
m-Xylene & p-Xylene	40.0	41.7		ug/Kg		104	75 - 126
o-Xylene	40.0	41.7		ug/Kg		104	83 - 127
Styrene	40.0	42.3		ug/Kg		106	83 - 129
1,1,2,2-Tetrachloroethane	40.0	41.0		ug/Kg		102	60 - 139
Tetrachloroethene	40.0	41.5		ug/Kg		104	78 - 129
Toluene	40.0	41.3		ug/Kg		103	78 - 124
trans-1,2-Dichloroethene	40.0	51.5	*	ug/Kg		129	77 - 121
trans-1,3-Dichloropropene	40.0	44.1		ug/Kg		110	74 - 129
1,2,3-Trichlorobenzene	40.0	38.6		ug/Kg		97	37 - 144
1,2,4-Trichlorobenzene	40.0	39.3		ug/Kg		98	51 - 136
1,1,1-Trichloroethane	40.0	50.1		ug/Kg		125	67 - 126
1,1,2-Trichloroethane	40.0	41.1		ug/Kg		103	70 - 128
Trichloroethene	40.0	38.8		ug/Kg		97	76 - 119
Trichlorofluoromethane	40.0	43.2		ug/Kg		108	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	52.5	*	ug/Kg		131	55 - 130
Vinyl chloride	40.0	40.5		ug/Kg		101	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*63 - 120*
Dibromofluoromethane (Surr)	*112*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*120*		*52 - 124*
Toluene-d8 (Surr)	*102*		*72 - 127*

Lab Sample ID: LCSD 180-115874/3-A
Matrix: Solid
Analysis Batch: 115865

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115874

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	40.0	42.1		ug/Kg		105	20 - 150	5	40
Benzene	40.0	41.8		ug/Kg		105	77 - 120	0	20
Bromoform	40.0	44.7		ug/Kg		112	53 - 140	10	23
Bromomethane	40.0	47.0		ug/Kg		117	25 - 150	3	40
2-Butanone (MEK)	40.0	38.5		ug/Kg		96	35 - 149	0	36
Carbon disulfide	40.0	45.7		ug/Kg		114	50 - 127	5	23
Carbon tetrachloride	40.0	50.4	*	ug/Kg		126	69 - 122	0	22
Chlorobenzene	40.0	40.7		ug/Kg		102	79 - 120	2	20
Chlorobromomethane	40.0	43.3		ug/Kg		108	67 - 126	1	29
Chlorodibromomethane	40.0	43.4		ug/Kg		109	70 - 132	2	20
Chloroethane	40.0	46.2		ug/Kg		116	22 - 150	5	40

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

Lab Sample ID: LCSD 180-115874/3-A
Matrix: Solid
Analysis Batch: 115865

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115874

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroform	40.0	45.8		ug/Kg		114	72 - 120	1	25
Chloromethane	40.0	49.0		ug/Kg		123	44 - 131	2	27
cis-1,2-Dichloroethene	40.0	42.3		ug/Kg		106	80 - 118	1	20
cis-1,3-Dichloropropene	40.0	40.9		ug/Kg		102	73 - 120	2	20
Cyclohexane	40.0	44.3		ug/Kg		111	64 - 130	1	21
1,2-Dibromo-3-Chloropropane	40.0	45.6		ug/Kg		114	35 - 136	14	40
1,2-Dibromoethane	40.0	42.7		ug/Kg		107	70 - 131	1	20
1,2-Dichlorobenzene	40.0	41.3		ug/Kg		103	71 - 124	2	22
1,3-Dichlorobenzene	40.0	40.4		ug/Kg		101	75 - 118	0	20
1,4-Dichlorobenzene	40.0	41.8		ug/Kg		105	77 - 116	5	20
Dichlorobromomethane	40.0	43.4		ug/Kg		109	70 - 125	1	21
Dichlorodifluoromethane	40.0	46.2		ug/Kg		116	25 - 150	3	34
1,1-Dichloroethane	40.0	44.7		ug/Kg		112	66 - 124	0	23
1,2-Dichloroethane	40.0	48.0		ug/Kg		120	61 - 127	0	23
1,1-Dichloroethene	40.0	47.4		ug/Kg		118	59 - 129	0	25
1,2-Dichloropropane	40.0	40.5		ug/Kg		101	72 - 122	2	20
1,4-Dioxane	800	975	J	ug/Kg		122	10 - 160	18	40
Ethylbenzene	40.0	40.9		ug/Kg		102	78 - 125	2	21
2-Hexanone	40.0	40.3		ug/Kg		101	32 - 150	8	32
Isopropylbenzene	40.0	42.4		ug/Kg		106	70 - 133	1	22
Methyl acetate	200	226		ug/Kg		113	27 - 142	4	40
Methylcyclohexane	40.0	40.5		ug/Kg		101	66 - 135	1	23
Methylene Chloride	40.0	38.0		ug/Kg		95	58 - 127	3	28
4-Methyl-2-pentanone (MIBK)	40.0	45.3		ug/Kg		113	44 - 148	1	30
Methyl tert-butyl ether	40.0	50.0		ug/Kg		125	48 - 132	5	36
m-Xylene & p-Xylene	40.0	40.4		ug/Kg		101	75 - 126	3	21
o-Xylene	40.0	42.0		ug/Kg		105	83 - 127	1	20
Styrene	40.0	41.5		ug/Kg		104	83 - 129	2	20
1,1,2,2-Tetrachloroethane	40.0	42.6		ug/Kg		106	60 - 139	4	24
Tetrachloroethene	40.0	40.1		ug/Kg		100	78 - 129	3	20
Toluene	40.0	41.3		ug/Kg		103	78 - 124	0	21
trans-1,2-Dichloroethene	40.0	52.2	*	ug/Kg		131	77 - 121	1	20
trans-1,3-Dichloropropene	40.0	45.2		ug/Kg		113	74 - 129	2	20
1,2,3-Trichlorobenzene	40.0	41.0		ug/Kg		102	37 - 144	6	40
1,2,4-Trichlorobenzene	40.0	42.0		ug/Kg		105	51 - 136	7	40
1,1,1-Trichloroethane	40.0	50.8	*	ug/Kg		127	67 - 126	1	31
1,1,2-Trichloroethane	40.0	41.1		ug/Kg		103	70 - 128	0	22
Trichloroethene	40.0	40.3		ug/Kg		101	76 - 119	4	21
Trichlorofluoromethane	40.0	41.6		ug/Kg		104	20 - 150	4	40
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	52.7	*	ug/Kg		132	55 - 130	0	37
Vinyl chloride	40.0	41.6		ug/Kg		104	63 - 124	3	27

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*63 - 120*
Dibromofluoromethane (Surr)	*109*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*115*		*52 - 124*
Toluene-d8 (Surr)	*97*		*72 - 127*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-116222/1-A
Matrix: Solid
Analysis Batch: 116372

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116222

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	6.4	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Acenaphthylene	ND		67	7.6	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Acetophenone	ND		330	27	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Anthracene	ND		67	6.5	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Atrazine	ND		330	32	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Benzaldehyde	ND		330	50	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Benzo[a]anthracene	ND		67	8.4	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Benzo[a]pyrene	ND		67	6.7	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Benzo[b]fluoranthene	ND		67	10	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Benzo[g,h,i]perylene	ND		67	6.6	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Benzo[k]fluoranthene	ND		67	13	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
1,1'-Biphenyl	ND		330	30	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Bis(2-chloroethoxy)methane	ND		330	22	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Bis(2-chloroethyl)ether	ND		67	9.0	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Bis(2-ethylhexyl) phthalate	ND		670	54	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
4-Bromophenyl phenyl ether	ND		330	29	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Butyl benzyl phthalate	ND		330	46	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Caprolactam	ND		1700	250	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Carbazole	ND		67	6.1	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
4-Chloroaniline	ND		330	27	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
4-Chloro-3-methylphenol	ND		330	31	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
2-Chloronaphthalene	ND		67	7.0	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
2-Chlorophenol	ND		330	27	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
4-Chlorophenyl phenyl ether	ND		330	37	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Chrysene	ND		67	7.9	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Dibenz(a,h)anthracene	ND		67	7.4	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Dibenzofuran	ND		330	33	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
3,3'-Dichlorobenzidine	ND		330	35	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
2,4-Dichlorophenol	ND		67	6.7	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Diethyl phthalate	ND		330	36	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
2,4-Dimethylphenol	ND		330	52	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Dimethyl phthalate	ND		330	36	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Di-n-butyl phthalate	ND		330	42	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
4,6-Dinitro-2-methylphenol	ND		1700	130	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
2,4-Dinitrophenol	ND		1700	400	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
2,4-Dinitrotoluene	ND		330	27	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
2,6-Dinitrotoluene	ND		330	34	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Di-n-octyl phthalate	ND		330	35	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
1,4-Dioxane	ND		670	38	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Fluoranthene	ND		67	7.1	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Fluorene	ND		67	8.8	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Hexachlorobenzene	ND		67	7.1	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Hexachlorobutadiene	ND		67	7.5	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Hexachlorocyclopentadiene	ND		330	36	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Hexachloroethane	ND		330	24	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Indeno[1,2,3-cd]pyrene	ND		67	6.9	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Isophorone	ND		330	25	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
2-Methylnaphthalene	ND		67	6.0	ug/Kg		08/27/14 12:20	08/28/14 11:28	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-116222/1-A
Matrix: Solid
Analysis Batch: 116372

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116222

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		330	23	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Methylphenol, 3 & 4	ND		330	33	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Naphthalene	ND		67	5.7	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
2-Nitroaniline	ND		1700	150	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
3-Nitroaniline	ND		1700	140	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
4-Nitroaniline	ND		1700	140	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Nitrobenzene	ND		670	28	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
2-Nitrophenol	ND		330	37	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
4-Nitrophenol	ND		1700	120	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
N-Nitrosodi-n-propylamine	ND		67	7.8	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
N-Nitrosodiphenylamine	ND		330	31	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
2,2'-oxybis[1-chloropropane]	ND		67	7.2	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Pentachlorophenol	ND		330	30	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Phenanthrene	ND		67	11	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Phenol	ND		67	7.9	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
Pyrene	ND		67	6.7	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
1,2,4,5-Tetrachlorobenzene	ND		330	25	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
2,3,4,6-Tetrachlorophenol	ND		330	21	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
2,4,5-Trichlorophenol	ND		330	36	ug/Kg		08/27/14 12:20	08/28/14 11:28	1
2,4,6-Trichlorophenol	ND		330	50	ug/Kg		08/27/14 12:20	08/28/14 11:28	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/27/14 12:20*	*08/28/14 11:28*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*35 - 105*	*08/27/14 12:20*	*08/28/14 11:28*	*1*
2-Fluorophenol (Surr)	*72*		*39 - 103*	*08/27/14 12:20*	*08/28/14 11:28*	*1*
Nitrobenzene-d5 (Surr)	*68*		*25 - 104*	*08/27/14 12:20*	*08/28/14 11:28*	*1*
Phenol-d5 (Surr)	*71*		*25 - 105*	*08/27/14 12:20*	*08/28/14 11:28*	*1*
Terphenyl-d14 (Surr)	*68*		*25 - 127*	*08/27/14 12:20*	*08/28/14 11:28*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*35 - 124*	*08/27/14 12:20*	*08/28/14 11:28*	*1*

Lab Sample ID: LCS 180-116222/2-A
Matrix: Solid
Analysis Batch: 116372

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116222

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	6670	4570		ug/Kg		69	47 - 104
Acenaphthylene	6670	4600		ug/Kg		69	49 - 114
Acetophenone	6670	4780		ug/Kg		72	30 - 150
Anthracene	6670	4640		ug/Kg		70	45 - 112
Atrazine	6670	4160		ug/Kg		62	30 - 150
Benzaldehyde	6670	3790		ug/Kg		57	30 - 150
Benzo[a]anthracene	6670	4720		ug/Kg		71	47 - 110
Benzo[a]pyrene	6670	4600		ug/Kg		69	47 - 112
Benzo[b]fluoranthene	6670	4600		ug/Kg		69	41 - 107
Benzo[g,h,i]perylene	6670	4810		ug/Kg		72	38 - 126

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-116222/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116372 **Prep Batch: 116222**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[k]fluoranthene	6670	4180		ug/Kg		63	44 - 115
1,1'-Biphenyl	6670	4380		ug/Kg		66	30 - 150
Bis(2-chloroethoxy)methane	6670	4410		ug/Kg		66	44 - 101
Bis(2-chloroethyl)ether	6670	4550		ug/Kg		68	38 - 99
Bis(2-ethylhexyl) phthalate	6670	5420		ug/Kg		81	40 - 122
4-Bromophenyl phenyl ether	6670	4330		ug/Kg		65	47 - 110
Butyl benzyl phthalate	6670	5450		ug/Kg		82	41 - 118
Caprolactam	6670	6020		ug/Kg		90	30 - 150
Carbazole	6670	4890		ug/Kg		73	45 - 114
4-Chloroaniline	6670	4530		ug/Kg		68	25 - 108
4-Chloro-3-methylphenol	6670	5420		ug/Kg		81	47 - 109
2-Chloronaphthalene	6670	4010		ug/Kg		60	46 - 101
2-Chlorophenol	6670	4670		ug/Kg		70	40 - 101
4-Chlorophenyl phenyl ether	6670	4720		ug/Kg		71	47 - 109
Chrysene	6670	4780		ug/Kg		72	46 - 111
Dibenz(a,h)anthracene	6670	4860		ug/Kg		73	39 - 127
Dibenzofuran	6670	4590		ug/Kg		69	46 - 104
3,3'-Dichlorobenzidine	6670	4820		ug/Kg		72	19 - 122
2,4-Dichlorophenol	6670	4840		ug/Kg		73	47 - 105
Diethyl phthalate	6670	5030		ug/Kg		75	47 - 115
2,4-Dimethylphenol	6670	4770		ug/Kg		72	44 - 105
Dimethyl phthalate	6670	4960		ug/Kg		74	49 - 111
Di-n-butyl phthalate	6670	5120		ug/Kg		77	43 - 121
4,6-Dinitro-2-methylphenol	13300	9260		ug/Kg		69	24 - 134
2,4-Dinitrophenol	13300	9400		ug/Kg		70	10 - 146
2,4-Dinitrotoluene	6670	5670		ug/Kg		85	45 - 124
2,6-Dinitrotoluene	6670	5020		ug/Kg		75	50 - 122
Di-n-octyl phthalate	6670	5260		ug/Kg		79	33 - 129
1,4-Dioxane	6670	4560		ug/Kg		68	41 - 102
Fluoranthene	6670	5070		ug/Kg		76	40 - 120
Fluorene	6670	5030		ug/Kg		75	46 - 109
Hexachlorobenzene	6670	4230		ug/Kg		64	47 - 108
Hexachlorobutadiene	6670	4850		ug/Kg		73	43 - 107
Hexachlorocyclopentadiene	6670	4150		ug/Kg		62	23 - 129
Hexachloroethane	6670	4820		ug/Kg		72	37 - 97
Indeno[1,2,3-cd]pyrene	6670	4680		ug/Kg		70	41 - 125
Isophorone	6670	4750		ug/Kg		71	47 - 110
2-Methylnaphthalene	6670	4660		ug/Kg		70	45 - 100
2-Methylphenol	6670	4930		ug/Kg		74	40 - 104
Methylphenol, 3 & 4	6670	4680		ug/Kg		70	42 - 105
Naphthalene	6670	4550		ug/Kg		68	43 - 100
2-Nitroaniline	6670	5000		ug/Kg		75	45 - 117
3-Nitroaniline	6670	5250		ug/Kg		79	34 - 122
4-Nitroaniline	6670	5490		ug/Kg		82	38 - 123
Nitrobenzene	6670	4480		ug/Kg		67	43 - 104
2-Nitrophenol	6670	4850		ug/Kg		73	46 - 106
4-Nitrophenol	13300	12800		ug/Kg		96	36 - 127
N-Nitrosodi-n-propylamine	6670	4330		ug/Kg		65	42 - 107

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-116222/2-A
Matrix: Solid
Analysis Batch: 116372

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116222

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodiphenylamine			6670	4320		ug/Kg		65	44 - 111
2,2'-oxybis[1-chloropropane]			6670	3560		ug/Kg		53	36 - 101
Pentachlorophenol			13300	9350		ug/Kg		70	17 - 122
Phenanthrene			6670	4540		ug/Kg		68	43 - 108
Phenol			6670	4540		ug/Kg		68	41 - 102
Pyrene			6670	4650		ug/Kg		70	41 - 115
1,2,4,5-Tetrachlorobenzene			6670	4280		ug/Kg		64	30 - 125
2,3,4,6-Tetrachlorophenol			6670	5360		ug/Kg		80	38 - 113
2,4,5-Trichlorophenol			6670	4900		ug/Kg		73	48 - 108
2,4,6-Trichlorophenol			6670	4850		ug/Kg		73	50 - 106

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*35 - 105*
2-Fluorophenol (Surr)	*72*		*39 - 103*
Nitrobenzene-d5 (Surr)	*67*		*25 - 104*
Phenol-d5 (Surr)	*70*		*25 - 105*
Terphenyl-d14 (Surr)	*70*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*75*		*35 - 124*

Lab Sample ID: 180-35818-43MS
Matrix: Solid
Analysis Batch: 116372

Client Sample ID: SSHS-B75-2-6 (3)
Prep Type: Total/NA
Prep Batch: 116222

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		7540	5390		ug/Kg	☼	71	47 - 104
Acenaphthylene	20	J	7540	5340		ug/Kg	☼	71	49 - 114
Acetophenone	ND		7540	5510		ug/Kg	☼	73	30 - 150
Anthracene	12	J	7540	5310		ug/Kg	☼	70	45 - 112
Atrazine	ND		7540	4990		ug/Kg	☼	66	30 - 150
Benzaldehyde	ND		7540	1670	F1	ug/Kg	☼	22	30 - 150
Benzo[a]anthracene	36	J	7540	5530		ug/Kg	☼	73	47 - 110
Benzo[a]pyrene	34	J	7540	5320		ug/Kg	☼	70	47 - 112
Benzo[b]fluoranthene	43	J	7540	5070		ug/Kg	☼	67	41 - 107
Benzo[g,h,i]perylene	ND		7540	6090		ug/Kg	☼	81	38 - 126
Benzo[k]fluoranthene	16	J	7540	5030		ug/Kg	☼	67	44 - 115
1,1'-Biphenyl	ND		7540	4990		ug/Kg	☼	66	30 - 150
Bis(2-chloroethoxy)methane	ND		7540	5250		ug/Kg	☼	70	44 - 101
Bis(2-chloroethyl)ether	ND		7540	5070		ug/Kg	☼	67	38 - 99
Bis(2-ethylhexyl) phthalate	ND		7540	6300		ug/Kg	☼	83	40 - 122
4-Bromophenyl phenyl ether	ND		7540	5130		ug/Kg	☼	68	47 - 110
Butyl benzyl phthalate	ND		7540	6240		ug/Kg	☼	83	41 - 118
Caprolactam	ND		7540	6620		ug/Kg	☼	88	30 - 150
Carbazole	ND		7540	5710		ug/Kg	☼	76	45 - 114
4-Chloroaniline	ND		7540	5300		ug/Kg	☼	70	25 - 108
4-Chloro-3-methylphenol	ND		7540	6270		ug/Kg	☼	83	47 - 109
2-Chloronaphthalene	ND		7540	4690		ug/Kg	☼	62	46 - 101
2-Chlorophenol	ND		7540	5200		ug/Kg	☼	69	40 - 101
4-Chlorophenyl phenyl ether	ND		7540	5540		ug/Kg	☼	73	47 - 109

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35818-43MS
Matrix: Solid
Analysis Batch: 116372

Client Sample ID: SSHS-B75-2-6 (3)
Prep Type: Total/NA
Prep Batch: 116222

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chrysene	36	J	7540	5640		ug/Kg	☼	74	46 - 111
Dibenz(a,h)anthracene	ND		7540	6120		ug/Kg	☼	81	39 - 127
Dibenzofuran	ND		7540	5370		ug/Kg	☼	71	46 - 104
3,3'-Dichlorobenzidine	ND		7540	5580		ug/Kg	☼	74	19 - 122
2,4-Dichlorophenol	ND		7540	5620		ug/Kg	☼	75	47 - 105
Diethyl phthalate	ND		7540	5940		ug/Kg	☼	79	47 - 115
2,4-Dimethylphenol	ND		7540	5030		ug/Kg	☼	67	44 - 105
Dimethyl phthalate	ND		7540	5750		ug/Kg	☼	76	49 - 111
Di-n-butyl phthalate	ND		7540	5950		ug/Kg	☼	79	43 - 121
4,6-Dinitro-2-methylphenol	ND		15100	7800		ug/Kg	☼	52	24 - 134
2,4-Dinitrophenol	ND		15100	5040		ug/Kg	☼	33	10 - 146
2,4-Dinitrotoluene	ND		7540	6720		ug/Kg	☼	89	45 - 124
2,6-Dinitrotoluene	ND		7540	5960		ug/Kg	☼	79	50 - 122
Di-n-octyl phthalate	ND		7540	6020		ug/Kg	☼	80	33 - 129
1,4-Dioxane	ND		7540	4660		ug/Kg	☼	62	41 - 102
Fluoranthene	51	J	7540	5790		ug/Kg	☼	76	40 - 120
Fluorene	ND		7540	5720		ug/Kg	☼	76	46 - 109
Hexachlorobenzene	ND		7540	4940		ug/Kg	☼	65	47 - 108
Hexachlorobutadiene	ND		7540	5400		ug/Kg	☼	72	43 - 107
Hexachlorocyclopentadiene	ND		7540	3660		ug/Kg	☼	49	23 - 129
Hexachloroethane	ND		7540	5290		ug/Kg	☼	70	37 - 97
Indeno[1,2,3-cd]pyrene	26	J	7540	5830		ug/Kg	☼	77	41 - 125
Isophorone	ND		7540	5480		ug/Kg	☼	73	47 - 110
2-Methylnaphthalene	13	J	7540	5450		ug/Kg	☼	72	45 - 100
2-Methylphenol	ND		7540	5520		ug/Kg	☼	73	40 - 104
Methylphenol, 3 & 4	ND		7540	5510		ug/Kg	☼	73	42 - 105
Naphthalene	ND		7540	5200		ug/Kg	☼	69	43 - 100
2-Nitroaniline	ND		7540	5900		ug/Kg	☼	78	45 - 117
3-Nitroaniline	ND		7540	6180		ug/Kg	☼	82	34 - 122
4-Nitroaniline	ND		7540	6540		ug/Kg	☼	87	38 - 123
Nitrobenzene	ND		7540	5180		ug/Kg	☼	69	43 - 104
2-Nitrophenol	ND		7540	5480		ug/Kg	☼	73	46 - 106
4-Nitrophenol	ND		15100	14300		ug/Kg	☼	95	36 - 127
N-Nitrosodi-n-propylamine	ND		7540	5130		ug/Kg	☼	68	42 - 107
N-Nitrosodiphenylamine	ND		7540	5030		ug/Kg	☼	67	44 - 111
2,2'-oxybis[1-chloropropane]	ND		7540	3950		ug/Kg	☼	52	36 - 101
Pentachlorophenol	ND		15100	8080		ug/Kg	☼	54	17 - 122
Phenanthrene	34	J	7540	5350		ug/Kg	☼	70	43 - 108
Phenol	ND		7540	5230		ug/Kg	☼	69	41 - 102
Pyrene	45	J	7540	5320		ug/Kg	☼	70	41 - 115
1,2,4,5-Tetrachlorobenzene	ND		7540	4950		ug/Kg	☼	66	30 - 125
2,3,4,6-Tetrachlorophenol	ND		7540	5670		ug/Kg	☼	75	38 - 113
2,4,5-Trichlorophenol	ND		7540	5480		ug/Kg	☼	73	48 - 108
2,4,6-Trichlorophenol	ND		7540	5330		ug/Kg	☼	71	50 - 106

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*35 - 105*
2-Fluorophenol (Surr)	*69*		*39 - 103*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35818-43MS **Client Sample ID: SSHS-B75-2-6 (3)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116372 **Prep Batch: 116222**

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*69*		*25 - 104*
Phenol-d5 (Surr)	*73*		*25 - 105*
Terphenyl-d14 (Surr)	*72*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*75*		*35 - 124*

Lab Sample ID: 180-35818-43MSD **Client Sample ID: SSHS-B75-2-6 (3)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116372 **Prep Batch: 116222**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		7540	5590		ug/Kg	☼	74	47 - 104	4	40
Acenaphthylene	20	J	7540	5490		ug/Kg	☼	72	49 - 114	3	38
Acetophenone	ND		7540	5900		ug/Kg	☼	78	30 - 150	7	40
Anthracene	12	J	7540	5590		ug/Kg	☼	74	45 - 112	5	42
Atrazine	ND		7540	5240		ug/Kg	☼	69	30 - 150	5	40
Benzaldehyde	ND		7540	1770	F1	ug/Kg	☼	23	30 - 150	6	40
Benzo[a]anthracene	36	J	7540	5790		ug/Kg	☼	76	47 - 110	5	40
Benzo[a]pyrene	34	J	7540	5590		ug/Kg	☼	74	47 - 112	5	42
Benzo[b]fluoranthene	43	J	7540	5480		ug/Kg	☼	72	41 - 107	8	53
Benzo[g,h,i]perylene	ND		7540	6400		ug/Kg	☼	85	38 - 126	5	43
Benzo[k]fluoranthene	16	J	7540	5200		ug/Kg	☼	69	44 - 115	3	44
1,1'-Biphenyl	ND		7540	5140		ug/Kg	☼	68	30 - 150	3	40
Bis(2-chloroethoxy)methane	ND		7540	5480		ug/Kg	☼	73	44 - 101	4	36
Bis(2-chloroethyl)ether	ND		7540	5390		ug/Kg	☼	71	38 - 99	6	43
Bis(2-ethylhexyl) phthalate	ND		7540	6570		ug/Kg	☼	87	40 - 122	4	41
4-Bromophenyl phenyl ether	ND		7540	5260		ug/Kg	☼	70	47 - 110	2	46
Butyl benzyl phthalate	ND		7540	6390		ug/Kg	☼	85	41 - 118	2	41
Caprolactam	ND		7540	6790		ug/Kg	☼	90	30 - 150	2	40
Carbazole	ND		7540	5940		ug/Kg	☼	79	45 - 114	4	36
4-Chloroaniline	ND		7540	5630		ug/Kg	☼	75	25 - 108	6	36
4-Chloro-3-methylphenol	ND		7540	6790		ug/Kg	☼	90	47 - 109	8	36
2-Chloronaphthalene	ND		7540	4790		ug/Kg	☼	63	46 - 101	2	40
2-Chlorophenol	ND		7540	5630		ug/Kg	☼	75	40 - 101	8	42
4-Chlorophenyl phenyl ether	ND		7540	5780		ug/Kg	☼	77	47 - 109	4	39
Chrysene	36	J	7540	5930		ug/Kg	☼	78	46 - 111	5	39
Dibenz(a,h)anthracene	ND		7540	6340		ug/Kg	☼	84	39 - 127	4	45
Dibenzofuran	ND		7540	5540		ug/Kg	☼	74	46 - 104	3	38
3,3'-Dichlorobenzidine	ND		7540	5710		ug/Kg	☼	76	19 - 122	2	40
2,4-Dichlorophenol	ND		7540	5870		ug/Kg	☼	78	47 - 105	4	35
Diethyl phthalate	ND		7540	6200		ug/Kg	☼	82	47 - 115	4	38
2,4-Dimethylphenol	ND		7540	5220		ug/Kg	☼	69	44 - 105	4	49
Dimethyl phthalate	ND		7540	5950		ug/Kg	☼	79	49 - 111	3	37
Di-n-butyl phthalate	ND		7540	6250		ug/Kg	☼	83	43 - 121	5	38
4,6-Dinitro-2-methylphenol	ND		15100	8280		ug/Kg	☼	55	24 - 134	6	87
2,4-Dinitrophenol	ND		15100	5370		ug/Kg	☼	36	10 - 146	6	83
2,4-Dinitrotoluene	ND		7540	6940		ug/Kg	☼	92	45 - 124	3	41
2,6-Dinitrotoluene	ND		7540	6140		ug/Kg	☼	81	50 - 122	3	40
Di-n-octyl phthalate	ND		7540	6510		ug/Kg	☼	86	33 - 129	8	41

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35818-43MSD
Matrix: Solid
Analysis Batch: 116372

Client Sample ID: SSHS-B75-2-6 (3)
Prep Type: Total/NA
Prep Batch: 116222

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	ND		7540	4820		ug/Kg	☼	64	41 - 102	3	35
Fluoranthene	51	J	7540	6060		ug/Kg	☼	80	40 - 120	5	36
Fluorene	ND		7540	5940		ug/Kg	☼	79	46 - 109	4	40
Hexachlorobenzene	ND		7540	5230		ug/Kg	☼	69	47 - 108	6	43
Hexachlorobutadiene	ND		7540	5790		ug/Kg	☼	77	43 - 107	7	39
Hexachlorocyclopentadiene	ND		7540	3700		ug/Kg	☼	49	23 - 129	1	49
Hexachloroethane	ND		7540	5540		ug/Kg	☼	73	37 - 97	5	48
Indeno[1,2,3-cd]pyrene	26	J	7540	6090		ug/Kg	☼	80	41 - 125	4	47
Isophorone	ND		7540	5800		ug/Kg	☼	77	47 - 110	6	37
2-Methylnaphthalene	13	J	7540	5810		ug/Kg	☼	77	45 - 100	6	40
2-Methylphenol	ND		7540	5940		ug/Kg	☼	79	40 - 104	7	41
Methylphenol, 3 & 4	ND		7540	5780		ug/Kg	☼	77	42 - 105	5	43
Naphthalene	ND		7540	5400		ug/Kg	☼	72	43 - 100	4	32
2-Nitroaniline	ND		7540	6120		ug/Kg	☼	81	45 - 117	4	42
3-Nitroaniline	ND		7540	6400		ug/Kg	☼	85	34 - 122	4	39
4-Nitroaniline	ND		7540	6770		ug/Kg	☼	90	38 - 123	3	40
Nitrobenzene	ND		7540	5300		ug/Kg	☼	70	43 - 104	2	33
2-Nitrophenol	ND		7540	5660		ug/Kg	☼	75	46 - 106	3	39
4-Nitrophenol	ND		15100	14600		ug/Kg	☼	97	36 - 127	2	43
N-Nitrosodi-n-propylamine	ND		7540	5490		ug/Kg	☼	73	42 - 107	7	43
N-Nitrosodiphenylamine	ND		7540	5390		ug/Kg	☼	72	44 - 111	7	40
2,2'-oxybis[1-chloropropane]	ND		7540	4190		ug/Kg	☼	56	36 - 101	6	41
Pentachlorophenol	ND		15100	8330		ug/Kg	☼	55	17 - 122	3	52
Phenanthrene	34	J	7540	5440		ug/Kg	☼	72	43 - 108	2	39
Phenol	ND		7540	5620		ug/Kg	☼	74	41 - 102	7	39
Pyrene	45	J	7540	5510		ug/Kg	☼	72	41 - 115	4	43
1,2,4,5-Tetrachlorobenzene	ND		7540	5000		ug/Kg	☼	66	30 - 125	1	25
2,3,4,6-Tetrachlorophenol	ND		7540	5710		ug/Kg	☼	76	38 - 113	1	83
2,4,5-Trichlorophenol	ND		7540	5680		ug/Kg	☼	75	48 - 108	4	44
2,4,6-Trichlorophenol	ND		7540	5500		ug/Kg	☼	73	50 - 106	3	42

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*35 - 105*
2-Fluorophenol (Surr)	*74*		*39 - 103*
Nitrobenzene-d5 (Surr)	*73*		*25 - 104*
Phenol-d5 (Surr)	*78*		*25 - 105*
Terphenyl-d14 (Surr)	*73*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*79*		*35 - 124*

Lab Sample ID: MB 180-116244/1-A
Matrix: Solid
Analysis Batch: 116405

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	6.4	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Acenaphthylene	ND		67	7.6	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Acetophenone	ND		330	27	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Anthracene	ND		67	6.5	ug/Kg		08/27/14 14:44	08/28/14 12:42	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-116244/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116405
Prep Batch: 116244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		330	32	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Benzaldehyde	ND		330	50	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Benzo[a]anthracene	ND		67	8.4	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Benzo[a]pyrene	ND		67	6.7	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Benzo[b]fluoranthene	ND		67	10	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Benzo[g,h,i]perylene	ND		67	6.6	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Benzo[k]fluoranthene	ND		67	13	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
1,1'-Biphenyl	ND		330	30	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Bis(2-chloroethoxy)methane	ND		330	22	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Bis(2-chloroethyl)ether	ND		67	9.0	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Bis(2-ethylhexyl) phthalate	ND		670	54	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
4-Bromophenyl phenyl ether	ND		330	29	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Butyl benzyl phthalate	ND		330	46	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Caprolactam	ND		1700	250	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Carbazole	ND		67	6.1	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
4-Chloroaniline	ND		330	27	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
4-Chloro-3-methylphenol	ND		330	31	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
2-Chloronaphthalene	ND		67	7.0	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
2-Chlorophenol	ND		330	27	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
4-Chlorophenyl phenyl ether	ND		330	37	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Chrysene	ND		67	7.9	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Dibenz(a,h)anthracene	ND		67	7.4	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Dibenzofuran	ND		330	33	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
3,3'-Dichlorobenzidine	ND		330	35	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
2,4-Dichlorophenol	ND		67	6.7	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Diethyl phthalate	ND		330	36	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
2,4-Dimethylphenol	ND		330	52	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Dimethyl phthalate	ND		330	36	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Di-n-butyl phthalate	ND		330	42	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
4,6-Dinitro-2-methylphenol	ND		1700	130	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
2,4-Dinitrophenol	ND		1700	400	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
2,4-Dinitrotoluene	ND		330	27	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
2,6-Dinitrotoluene	ND		330	34	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Di-n-octyl phthalate	ND		330	35	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
1,4-Dioxane	ND		670	38	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Fluoranthene	ND		67	7.1	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Fluorene	ND		67	8.8	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Hexachlorobenzene	ND		67	7.1	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Hexachlorobutadiene	ND		67	7.5	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Hexachlorocyclopentadiene	ND		330	36	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Hexachloroethane	ND		330	24	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Indeno[1,2,3-cd]pyrene	ND		67	6.9	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Isophorone	ND		330	25	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
2-Methylnaphthalene	ND		67	6.0	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
2-Methylphenol	ND		330	23	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Methylphenol, 3 & 4	ND		330	33	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Naphthalene	ND		67	5.7	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
2-Nitroaniline	ND		1700	150	ug/Kg		08/27/14 14:44	08/28/14 12:42	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-116244/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116405
Prep Batch: 116244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1700	140	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
4-Nitroaniline	ND		1700	140	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Nitrobenzene	ND		670	28	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
2-Nitrophenol	ND		330	37	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
4-Nitrophenol	ND		1700	120	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
N-Nitrosodi-n-propylamine	ND		67	7.8	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
N-Nitrosodiphenylamine	ND		330	31	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
2,2'-oxybis[1-chloropropane]	ND		67	7.2	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Pentachlorophenol	ND		330	30	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Phenanthrene	ND		67	11	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Phenol	ND		67	7.9	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
Pyrene	ND		67	6.7	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
1,2,4,5-Tetrachlorobenzene	ND		330	25	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
2,3,4,6-Tetrachlorophenol	ND		330	21	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
2,4,5-Trichlorophenol	ND		330	36	ug/Kg		08/27/14 14:44	08/28/14 12:42	1
2,4,6-Trichlorophenol	ND		330	50	ug/Kg		08/27/14 14:44	08/28/14 12:42	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/27/14 14:44*	*08/28/14 12:42*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 105*	*08/27/14 14:44*	*08/28/14 12:42*	*1*
2-Fluorophenol (Surr)	*77*		*39 - 103*	*08/27/14 14:44*	*08/28/14 12:42*	*1*
Nitrobenzene-d5 (Surr)	*76*		*25 - 104*	*08/27/14 14:44*	*08/28/14 12:42*	*1*
Phenol-d5 (Surr)	*78*		*25 - 105*	*08/27/14 14:44*	*08/28/14 12:42*	*1*
Terphenyl-d14 (Surr)	*77*		*25 - 127*	*08/27/14 14:44*	*08/28/14 12:42*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*35 - 124*	*08/27/14 14:44*	*08/28/14 12:42*	*1*

Lab Sample ID: LCS 180-116244/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116405
Prep Batch: 116244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	6670	4820		ug/Kg		72	47 - 104
Acenaphthylene	6670	4930		ug/Kg		74	49 - 114
Acetophenone	6670	4560		ug/Kg		68	30 - 150
Anthracene	6670	4980		ug/Kg		75	45 - 112
Atrazine	6670	4410		ug/Kg		66	30 - 150
Benzaldehyde	6670	3680		ug/Kg		55	30 - 150
Benzo[a]anthracene	6670	4750		ug/Kg		71	47 - 110
Benzo[a]pyrene	6670	4810		ug/Kg		72	47 - 112
Benzo[b]fluoranthene	6670	4380		ug/Kg		66	41 - 107
Benzo[g,h,i]perylene	6670	5130		ug/Kg		77	38 - 126
Benzo[k]fluoranthene	6670	4970		ug/Kg		75	44 - 115
1,1'-Biphenyl	6670	4800		ug/Kg		72	30 - 150
Bis(2-chloroethoxy)methane	6670	4790		ug/Kg		72	44 - 101
Bis(2-chloroethyl)ether	6670	4650		ug/Kg		70	38 - 99

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-116244/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116405
Prep Batch: 116244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	6670	5170		ug/Kg		78	40 - 122
4-Bromophenyl phenyl ether	6670	4980		ug/Kg		75	47 - 110
Butyl benzyl phthalate	6670	5210		ug/Kg		78	41 - 118
Caprolactam	6670	5160		ug/Kg		77	30 - 150
Carbazole	6670	4980		ug/Kg		75	45 - 114
4-Chloroaniline	6670	4540		ug/Kg		68	25 - 108
4-Chloro-3-methylphenol	6670	5010		ug/Kg		75	47 - 109
2-Chloronaphthalene	6670	4400		ug/Kg		66	46 - 101
2-Chlorophenol	6670	4780		ug/Kg		72	40 - 101
4-Chlorophenyl phenyl ether	6670	4810		ug/Kg		72	47 - 109
Chrysene	6670	4830		ug/Kg		72	46 - 111
Dibenz(a,h)anthracene	6670	5010		ug/Kg		75	39 - 127
Dibenzofuran	6670	4760		ug/Kg		71	46 - 104
3,3'-Dichlorobenzidine	6670	4420		ug/Kg		66	19 - 122
2,4-Dichlorophenol	6670	4990		ug/Kg		75	47 - 105
Diethyl phthalate	6670	4870		ug/Kg		73	47 - 115
2,4-Dimethylphenol	6670	4760		ug/Kg		71	44 - 105
Dimethyl phthalate	6670	4840		ug/Kg		73	49 - 111
Di-n-butyl phthalate	6670	5170		ug/Kg		78	43 - 121
4,6-Dinitro-2-methylphenol	13300	9780		ug/Kg		73	24 - 134
2,4-Dinitrophenol	13300	8550		ug/Kg		64	10 - 146
2,4-Dinitrotoluene	6670	5160		ug/Kg		77	45 - 124
2,6-Dinitrotoluene	6670	5130		ug/Kg		77	50 - 122
Di-n-octyl phthalate	6670	5100		ug/Kg		77	33 - 129
1,4-Dioxane	6670	4470		ug/Kg		67	41 - 102
Fluoranthene	6670	4920		ug/Kg		74	40 - 120
Fluorene	6670	5020		ug/Kg		75	46 - 109
Hexachlorobenzene	6670	4910		ug/Kg		74	47 - 108
Hexachlorobutadiene	6670	4770		ug/Kg		72	43 - 107
Hexachlorocyclopentadiene	6670	4830		ug/Kg		72	23 - 129
Hexachloroethane	6670	4750		ug/Kg		71	37 - 97
Indeno[1,2,3-cd]pyrene	6670	4860		ug/Kg		73	41 - 125
Isophorone	6670	4940		ug/Kg		74	47 - 110
2-Methylnaphthalene	6670	4750		ug/Kg		71	45 - 100
2-Methylphenol	6670	5050		ug/Kg		76	40 - 104
Methylphenol, 3 & 4	6670	4760		ug/Kg		71	42 - 105
Naphthalene	6670	4670		ug/Kg		70	43 - 100
2-Nitroaniline	6670	5100		ug/Kg		76	45 - 117
3-Nitroaniline	6670	4930		ug/Kg		74	34 - 122
4-Nitroaniline	6670	5010		ug/Kg		75	38 - 123
Nitrobenzene	6670	4810		ug/Kg		72	43 - 104
2-Nitrophenol	6670	5100		ug/Kg		77	46 - 106
4-Nitrophenol	13300	10400		ug/Kg		78	36 - 127
N-Nitrosodi-n-propylamine	6670	4680		ug/Kg		70	42 - 107
N-Nitrosodiphenylamine	6670	4970		ug/Kg		74	44 - 111
2,2'-oxybis[1-chloropropane]	6670	4480		ug/Kg		67	36 - 101
Pentachlorophenol	13300	9750		ug/Kg		73	17 - 122
Phenanthrene	6670	4780		ug/Kg		72	43 - 108

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-116244/2-A
Matrix: Solid
Analysis Batch: 116405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116244

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol			6670	4610		ug/Kg		69	41 - 102
Pyrene			6670	4690		ug/Kg		70	41 - 115
1,2,4,5-Tetrachlorobenzene			6670	4630		ug/Kg		69	30 - 125
2,3,4,6-Tetrachlorophenol			6670	4840		ug/Kg		73	38 - 113
2,4,5-Trichlorophenol			6670	5040		ug/Kg		76	48 - 108
2,4,6-Trichlorophenol			6670	5330		ug/Kg		80	50 - 106

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*35 - 105*
2-Fluorophenol (Surr)	*72*		*39 - 103*
Nitrobenzene-d5 (Surr)	*72*		*25 - 104*
Phenol-d5 (Surr)	*73*		*25 - 105*
Terphenyl-d14 (Surr)	*71*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*81*		*35 - 124*

Lab Sample ID: 180-35818-69 MS
Matrix: Solid
Analysis Batch: 116405

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116244

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		7230	4540		ug/Kg	☼	63	47 - 104
Acenaphthylene	ND		7230	4700		ug/Kg	☼	65	49 - 114
Acetophenone	ND		7230	4460		ug/Kg	☼	62	30 - 150
Anthracene	ND		7230	4720		ug/Kg	☼	65	45 - 112
Atrazine	ND		7230	4480		ug/Kg	☼	62	30 - 150
Benzaldehyde	ND		7230	1540	F1	ug/Kg	☼	21	30 - 150
Benzo[a]anthracene	ND		7230	4720		ug/Kg	☼	65	47 - 110
Benzo[a]pyrene	ND		7230	4490		ug/Kg	☼	62	47 - 112
Benzo[b]fluoranthene	ND		7230	4070		ug/Kg	☼	56	41 - 107
Benzo[g,h,i]perylene	ND		7230	5610		ug/Kg	☼	78	38 - 126
Benzo[k]fluoranthene	ND		7230	4420		ug/Kg	☼	61	44 - 115
1,1'-Biphenyl	ND		7230	4540		ug/Kg	☼	63	30 - 150
Bis(2-chloroethoxy)methane	ND		7230	4580		ug/Kg	☼	63	44 - 101
Bis(2-chloroethyl)ether	ND		7230	4450		ug/Kg	☼	62	38 - 99
Bis(2-ethylhexyl) phthalate	ND		7230	5360		ug/Kg	☼	74	40 - 122
4-Bromophenyl phenyl ether	ND		7230	4680		ug/Kg	☼	65	47 - 110
Butyl benzyl phthalate	ND		7230	5270		ug/Kg	☼	73	41 - 118
Caprolactam	ND		7230	3530		ug/Kg	☼	49	30 - 150
Carbazole	ND		7230	4870		ug/Kg	☼	67	45 - 114
4-Chloroaniline	ND		7230	4000		ug/Kg	☼	55	25 - 108
4-Chloro-3-methylphenol	ND		7230	4650		ug/Kg	☼	64	47 - 109
2-Chloronaphthalene	ND		7230	4160		ug/Kg	☼	57	46 - 101
2-Chlorophenol	ND		7230	4590		ug/Kg	☼	63	40 - 101
4-Chlorophenyl phenyl ether	ND		7230	4490		ug/Kg	☼	62	47 - 109
Chrysene	ND		7230	4680		ug/Kg	☼	65	46 - 111
Dibenz(a,h)anthracene	ND		7230	5240		ug/Kg	☼	72	39 - 127
Dibenzofuran	ND		7230	4520		ug/Kg	☼	63	46 - 104
3,3'-Dichlorobenzidine	ND		7230	3770		ug/Kg	☼	52	19 - 122

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35818-69 MS
Matrix: Solid
Analysis Batch: 116405

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116244

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dichlorophenol	ND		7230	4670		ug/Kg	☼	65	47 - 105
Diethyl phthalate	ND		7230	4780		ug/Kg	☼	66	47 - 115
2,4-Dimethylphenol	ND		7230	3610		ug/Kg	☼	50	44 - 105
Dimethyl phthalate	ND		7230	4850		ug/Kg	☼	67	49 - 111
Di-n-butyl phthalate	ND		7230	5200		ug/Kg	☼	72	43 - 121
4,6-Dinitro-2-methylphenol	ND		14500	7930		ug/Kg	☼	55	24 - 134
2,4-Dinitrophenol	ND		14500	3670		ug/Kg	☼	25	10 - 146
2,4-Dinitrotoluene	ND		7230	5030		ug/Kg	☼	70	45 - 124
2,6-Dinitrotoluene	ND		7230	4960		ug/Kg	☼	69	50 - 122
Di-n-octyl phthalate	ND		7230	5040		ug/Kg	☼	70	33 - 129
1,4-Dioxane	ND		7230	3650		ug/Kg	☼	50	41 - 102
Fluoranthene	21	J	7230	4710		ug/Kg	☼	65	40 - 120
Fluorene	ND		7230	4850		ug/Kg	☼	67	46 - 109
Hexachlorobenzene	ND		7230	4570		ug/Kg	☼	63	47 - 108
Hexachlorobutadiene	ND		7230	4390		ug/Kg	☼	61	43 - 107
Hexachlorocyclopentadiene	ND		7230	3840		ug/Kg	☼	53	23 - 129
Hexachloroethane	ND		7230	4440		ug/Kg	☼	61	37 - 97
Indeno[1,2,3-cd]pyrene	ND		7230	5250		ug/Kg	☼	73	41 - 125
Isophorone	ND		7230	4670		ug/Kg	☼	65	47 - 110
2-Methylnaphthalene	11	J	7230	4380		ug/Kg	☼	60	45 - 100
2-Methylphenol	ND		7230	4660		ug/Kg	☼	64	40 - 104
Methylphenol, 3 & 4	ND		7230	4630		ug/Kg	☼	64	42 - 105
Naphthalene	27	J	7230	4400		ug/Kg	☼	60	43 - 100
2-Nitroaniline	ND		7230	4840		ug/Kg	☼	67	45 - 117
3-Nitroaniline	ND		7230	4570		ug/Kg	☼	63	34 - 122
4-Nitroaniline	ND		7230	4520		ug/Kg	☼	63	38 - 123
Nitrobenzene	ND		7230	4430		ug/Kg	☼	61	43 - 104
2-Nitrophenol	ND		7230	4900		ug/Kg	☼	68	46 - 106
4-Nitrophenol	ND		14500	8980		ug/Kg	☼	62	36 - 127
N-Nitrosodi-n-propylamine	ND		7230	4650		ug/Kg	☼	64	42 - 107
N-Nitrosodiphenylamine	ND		7230	4730		ug/Kg	☼	65	44 - 111
2,2'-oxybis[1-chloropropane]	ND		7230	4360		ug/Kg	☼	60	36 - 101
Pentachlorophenol	ND		14500	8520		ug/Kg	☼	59	17 - 122
Phenanthrene	31	J	7230	4640		ug/Kg	☼	64	43 - 108
Phenol	ND		7230	4320		ug/Kg	☼	60	41 - 102
Pyrene	18	J	7230	4430		ug/Kg	☼	61	41 - 115
1,2,4,5-Tetrachlorobenzene	ND		7230	4290		ug/Kg	☼	59	30 - 125
2,3,4,6-Tetrachlorophenol	ND		7230	4420		ug/Kg	☼	61	38 - 113
2,4,5-Trichlorophenol	ND		7230	4700		ug/Kg	☼	65	48 - 108
2,4,6-Trichlorophenol	ND		7230	5040		ug/Kg	☼	70	50 - 106

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*35 - 105*
2-Fluorophenol (Surr)	*63*		*39 - 103*
Nitrobenzene-d5 (Surr)	*65*		*25 - 104*
Phenol-d5 (Surr)	*67*		*25 - 105*
Terphenyl-d14 (Surr)	*66*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 124*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35818-69 MSD
Client Sample ID: SSHS-B79-2-6 (4.5)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116405
Prep Batch: 116244

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		7230	4550		ug/Kg	☼	63	47 - 104	0	40
Acenaphthylene	ND		7230	4690		ug/Kg	☼	65	49 - 114	0	38
Acetophenone	ND		7230	4410		ug/Kg	☼	61	30 - 150	1	40
Anthracene	ND		7230	4800		ug/Kg	☼	66	45 - 112	2	42
Atrazine	ND		7230	4520		ug/Kg	☼	63	30 - 150	1	40
Benzaldehyde	ND		7230	1530	F1	ug/Kg	☼	21	30 - 150	0	40
Benzo[a]anthracene	ND		7230	4810		ug/Kg	☼	67	47 - 110	2	40
Benzo[a]pyrene	ND		7230	4480		ug/Kg	☼	62	47 - 112	0	42
Benzo[b]fluoranthene	ND		7230	4180		ug/Kg	☼	58	41 - 107	3	53
Benzo[g,h,i]perylene	ND		7230	5610		ug/Kg	☼	78	38 - 126	0	43
Benzo[k]fluoranthene	ND		7230	4390		ug/Kg	☼	61	44 - 115	1	44
1,1'-Biphenyl	ND		7230	4460		ug/Kg	☼	62	30 - 150	2	40
Bis(2-chloroethoxy)methane	ND		7230	4420		ug/Kg	☼	61	44 - 101	4	36
Bis(2-chloroethyl)ether	ND		7230	4370		ug/Kg	☼	60	38 - 99	2	43
Bis(2-ethylhexyl) phthalate	ND		7230	5580		ug/Kg	☼	77	40 - 122	4	41
4-Bromophenyl phenyl ether	ND		7230	4730		ug/Kg	☼	65	47 - 110	1	46
Butyl benzyl phthalate	ND		7230	5530		ug/Kg	☼	76	41 - 118	5	41
Caprolactam	ND		7230	3590		ug/Kg	☼	50	30 - 150	2	40
Carbazole	ND		7230	4890		ug/Kg	☼	68	45 - 114	0	36
4-Chloroaniline	ND		7230	4020		ug/Kg	☼	56	25 - 108	1	36
4-Chloro-3-methylphenol	ND		7230	4710		ug/Kg	☼	65	47 - 109	1	36
2-Chloronaphthalene	ND		7230	4180		ug/Kg	☼	58	46 - 101	0	40
2-Chlorophenol	ND		7230	4550		ug/Kg	☼	63	40 - 101	1	42
4-Chlorophenyl phenyl ether	ND		7230	4600		ug/Kg	☼	64	47 - 109	2	39
Chrysene	ND		7230	4960		ug/Kg	☼	69	46 - 111	6	39
Dibenz(a,h)anthracene	ND		7230	5230		ug/Kg	☼	72	39 - 127	0	45
Dibenzofuran	ND		7230	4490		ug/Kg	☼	62	46 - 104	1	38
3,3'-Dichlorobenzidine	ND		7230	3730		ug/Kg	☼	52	19 - 122	1	40
2,4-Dichlorophenol	ND		7230	4480		ug/Kg	☼	62	47 - 105	4	35
Diethyl phthalate	ND		7230	4840		ug/Kg	☼	67	47 - 115	1	38
2,4-Dimethylphenol	ND		7230	3520		ug/Kg	☼	49	44 - 105	3	49
Dimethyl phthalate	ND		7230	4870		ug/Kg	☼	67	49 - 111	0	37
Di-n-butyl phthalate	ND		7230	5230		ug/Kg	☼	72	43 - 121	1	38
4,6-Dinitro-2-methylphenol	ND		14500	8440		ug/Kg	☼	58	24 - 134	6	87
2,4-Dinitrophenol	ND		14500	3720		ug/Kg	☼	26	10 - 146	1	83
2,4-Dinitrotoluene	ND		7230	4990		ug/Kg	☼	69	45 - 124	1	41
2,6-Dinitrotoluene	ND		7230	5030		ug/Kg	☼	70	50 - 122	1	40
Di-n-octyl phthalate	ND		7230	5030		ug/Kg	☼	70	33 - 129	0	41
1,4-Dioxane	ND		7230	3610		ug/Kg	☼	50	41 - 102	1	35
Fluoranthene	21	J	7230	4800		ug/Kg	☼	66	40 - 120	2	36
Fluorene	ND		7230	4840		ug/Kg	☼	67	46 - 109	0	40
Hexachlorobenzene	ND		7230	4640		ug/Kg	☼	64	47 - 108	1	43
Hexachlorobutadiene	ND		7230	4330		ug/Kg	☼	60	43 - 107	1	39
Hexachlorocyclopentadiene	ND		7230	3830		ug/Kg	☼	53	23 - 129	0	49
Hexachloroethane	ND		7230	4460		ug/Kg	☼	62	37 - 97	0	48
Indeno[1,2,3-cd]pyrene	ND		7230	5140		ug/Kg	☼	71	41 - 125	2	47
Isophorone	ND		7230	4570		ug/Kg	☼	63	47 - 110	2	37
2-Methylnaphthalene	11	J	7230	4340		ug/Kg	☼	60	45 - 100	1	40

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35818-69 MSD
Matrix: Solid
Analysis Batch: 116405

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116244

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylphenol	ND		7230	4610		ug/Kg	☼	64	40 - 104	1	41
Methylphenol, 3 & 4	ND		7230	4560		ug/Kg	☼	63	42 - 105	1	43
Naphthalene	27	J	7230	4380		ug/Kg	☼	60	43 - 100	0	32
2-Nitroaniline	ND		7230	4990		ug/Kg	☼	69	45 - 117	3	42
3-Nitroaniline	ND		7230	4700		ug/Kg	☼	65	34 - 122	3	39
4-Nitroaniline	ND		7230	4470		ug/Kg	☼	62	38 - 123	1	40
Nitrobenzene	ND		7230	4350		ug/Kg	☼	60	43 - 104	2	33
2-Nitrophenol	ND		7230	4840		ug/Kg	☼	67	46 - 106	1	39
4-Nitrophenol	ND		14500	9020		ug/Kg	☼	62	36 - 127	0	43
N-Nitrosodi-n-propylamine	ND		7230	4560		ug/Kg	☼	63	42 - 107	2	43
N-Nitrosodiphenylamine	ND		7230	4610		ug/Kg	☼	64	44 - 111	3	40
2,2'-oxybis[1-chloropropane]	ND		7230	4330		ug/Kg	☼	60	36 - 101	1	41
Pentachlorophenol	ND		14500	8470		ug/Kg	☼	59	17 - 122	1	52
Phenanthrene	31	J	7230	4640		ug/Kg	☼	64	43 - 108	0	39
Phenol	ND		7230	4290		ug/Kg	☼	59	41 - 102	1	39
Pyrene	18	J	7230	4610		ug/Kg	☼	63	41 - 115	4	43
1,2,4,5-Tetrachlorobenzene	ND		7230	4270		ug/Kg	☼	59	30 - 125	1	25
2,3,4,6-Tetrachlorophenol	ND		7230	4390		ug/Kg	☼	61	38 - 113	1	83
2,4,5-Trichlorophenol	ND		7230	4720		ug/Kg	☼	65	48 - 108	0	44
2,4,6-Trichlorophenol	ND		7230	4910		ug/Kg	☼	68	50 - 106	3	42

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*62*		*35 - 105*
2-Fluorophenol (Surr)	*62*		*39 - 103*
Nitrobenzene-d5 (Surr)	*62*		*25 - 104*
Phenol-d5 (Surr)	*65*		*25 - 105*
Terphenyl-d14 (Surr)	*66*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*71*		*35 - 124*

Lab Sample ID: MB 180-116269/1-A
Matrix: Solid
Analysis Batch: 116444

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116269

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	6.4	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Acenaphthylene	ND		67	7.6	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Acetophenone	ND		330	27	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Anthracene	ND		67	6.5	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Atrazine	ND		330	32	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Benzaldehyde	ND		330	50	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Benzo[a]anthracene	ND		67	8.4	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Benzo[a]pyrene	ND		67	6.7	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Benzo[b]fluoranthene	ND		67	10	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Benzo[g,h,i]perylene	ND		67	6.6	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Benzo[k]fluoranthene	ND		67	13	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
1,1'-Biphenyl	ND		330	30	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Bis(2-chloroethoxy)methane	ND		330	22	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Bis(2-chloroethyl)ether	ND		67	9.0	ug/Kg		08/27/14 17:43	08/29/14 05:06	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-116269/1-A
Matrix: Solid
Analysis Batch: 116444

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116269

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		670	54	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
4-Bromophenyl phenyl ether	ND		330	29	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Butyl benzyl phthalate	ND		330	46	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Caprolactam	ND		1700	250	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Carbazole	ND		67	6.1	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
4-Chloroaniline	ND		330	27	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
4-Chloro-3-methylphenol	ND		330	31	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
2-Chloronaphthalene	ND		67	7.0	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
2-Chlorophenol	ND		330	27	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
4-Chlorophenyl phenyl ether	ND		330	37	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Chrysene	ND		67	7.9	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Dibenz(a,h)anthracene	ND		67	7.4	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Dibenzofuran	ND		330	33	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
3,3'-Dichlorobenzidine	ND		330	35	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
2,4-Dichlorophenol	ND		67	6.7	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Diethyl phthalate	ND		330	36	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
2,4-Dimethylphenol	ND		330	52	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Dimethyl phthalate	ND		330	36	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Di-n-butyl phthalate	ND		330	42	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
4,6-Dinitro-2-methylphenol	ND		1700	130	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
2,4-Dinitrophenol	ND		1700	400	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
2,4-Dinitrotoluene	ND		330	27	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
2,6-Dinitrotoluene	ND		330	34	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Di-n-octyl phthalate	ND		330	35	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
1,4-Dioxane	ND		670	38	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Fluoranthene	ND		67	7.1	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Fluorene	ND		67	8.8	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Hexachlorobenzene	ND		67	7.1	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Hexachlorobutadiene	ND		67	7.5	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Hexachlorocyclopentadiene	ND		330	36	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Hexachloroethane	ND		330	24	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Indeno[1,2,3-cd]pyrene	ND		67	6.9	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Isophorone	ND		330	25	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
2-Methylnaphthalene	ND		67	6.0	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
2-Methylphenol	ND		330	23	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Methylphenol, 3 & 4	ND		330	33	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Naphthalene	ND		67	5.7	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
2-Nitroaniline	ND		1700	150	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
3-Nitroaniline	ND		1700	140	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
4-Nitroaniline	ND		1700	140	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Nitrobenzene	ND		670	28	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
2-Nitrophenol	ND		330	37	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
4-Nitrophenol	ND		1700	120	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
N-Nitrosodi-n-propylamine	ND		67	7.8	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
N-Nitrosodiphenylamine	ND		330	31	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
2,2'-oxybis[1-chloropropane]	ND		67	7.2	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Pentachlorophenol	ND		330	30	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Phenanthrene	ND		67	11	ug/Kg		08/27/14 17:43	08/29/14 05:06	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-116269/1-A
Matrix: Solid
Analysis Batch: 116444

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116269

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		67	7.9	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
Pyrene	ND		67	6.7	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
1,2,4,5-Tetrachlorobenzene	ND		330	25	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
2,3,4,6-Tetrachlorophenol	ND		330	21	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
2,4,5-Trichlorophenol	ND		330	36	ug/Kg		08/27/14 17:43	08/29/14 05:06	1
2,4,6-Trichlorophenol	ND		330	50	ug/Kg		08/27/14 17:43	08/29/14 05:06	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/27/14 17:43*	*08/29/14 05:06*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*35 - 105*	*08/27/14 17:43*	*08/29/14 05:06*	*1*
2-Fluorophenol (Surr)	*87*		*39 - 103*	*08/27/14 17:43*	*08/29/14 05:06*	*1*
Nitrobenzene-d5 (Surr)	*86*		*25 - 104*	*08/27/14 17:43*	*08/29/14 05:06*	*1*
Phenol-d5 (Surr)	*78*		*25 - 105*	*08/27/14 17:43*	*08/29/14 05:06*	*1*
Terphenyl-d14 (Surr)	*77*		*25 - 127*	*08/27/14 17:43*	*08/29/14 05:06*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*35 - 124*	*08/27/14 17:43*	*08/29/14 05:06*	*1*

Lab Sample ID: LCS 180-116269/2-A
Matrix: Solid
Analysis Batch: 116444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116269

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	6670	5320		ug/Kg		80	47 - 104
Acenaphthylene	6670	5140		ug/Kg		77	49 - 114
Acetophenone	6670	5030		ug/Kg		75	30 - 150
Anthracene	6670	5300		ug/Kg		80	45 - 112
Atrazine	6670	4860		ug/Kg		73	30 - 150
Benzaldehyde	6670	680	*	ug/Kg		10	30 - 150
Benzo[a]anthracene	6670	4870		ug/Kg		73	47 - 110
Benzo[a]pyrene	6670	4940		ug/Kg		74	47 - 112
Benzo[b]fluoranthene	6670	4700		ug/Kg		70	41 - 107
Benzo[g,h,i]perylene	6670	5320		ug/Kg		80	38 - 126
Benzo[k]fluoranthene	6670	4910		ug/Kg		74	44 - 115
1,1'-Biphenyl	6670	5210		ug/Kg		78	30 - 150
Bis(2-chloroethoxy)methane	6670	4980		ug/Kg		75	44 - 101
Bis(2-chloroethyl)ether	6670	4600		ug/Kg		69	38 - 99
Bis(2-ethylhexyl) phthalate	6670	5010		ug/Kg		75	40 - 122
4-Bromophenyl phenyl ether	6670	5190		ug/Kg		78	47 - 110
Butyl benzyl phthalate	6670	4950		ug/Kg		74	41 - 118
Caprolactam	6670	5590		ug/Kg		84	30 - 150
Carbazole	6670	5340		ug/Kg		80	45 - 114
4-Chloroaniline	6670	5180		ug/Kg		78	25 - 108
4-Chloro-3-methylphenol	6670	5140		ug/Kg		77	47 - 109
2-Chloronaphthalene	6670	4940		ug/Kg		74	46 - 101
2-Chlorophenol	6670	5280		ug/Kg		79	40 - 101
4-Chlorophenyl phenyl ether	6670	5390		ug/Kg		81	47 - 109

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-116269/2-A
Matrix: Solid
Analysis Batch: 116444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116269

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chrysene	6670	5090		ug/Kg		76	46 - 111
Dibenz(a,h)anthracene	6670	5350		ug/Kg		80	39 - 127
Dibenzofuran	6670	5120		ug/Kg		77	46 - 104
3,3'-Dichlorobenzidine	6670	4280		ug/Kg		64	19 - 122
2,4-Dichlorophenol	6670	5300		ug/Kg		80	47 - 105
Diethyl phthalate	6670	5840		ug/Kg		88	47 - 115
2,4-Dimethylphenol	6670	5110		ug/Kg		77	44 - 105
Dimethyl phthalate	6670	5400		ug/Kg		81	49 - 111
Di-n-butyl phthalate	6670	5490		ug/Kg		82	43 - 121
4,6-Dinitro-2-methylphenol	13300	10700		ug/Kg		80	24 - 134
2,4-Dinitrophenol	13300	9830		ug/Kg		74	10 - 146
2,4-Dinitrotoluene	6670	5730		ug/Kg		86	45 - 124
2,6-Dinitrotoluene	6670	5470		ug/Kg		82	50 - 122
Di-n-octyl phthalate	6670	4800		ug/Kg		72	33 - 129
1,4-Dioxane	6670	5380		ug/Kg		81	41 - 102
Fluoranthene	6670	5630		ug/Kg		84	40 - 120
Fluorene	6670	5670		ug/Kg		85	46 - 109
Hexachlorobenzene	6670	5230		ug/Kg		78	47 - 108
Hexachlorobutadiene	6670	6160		ug/Kg		92	43 - 107
Hexachlorocyclopentadiene	6670	6170		ug/Kg		93	23 - 129
Hexachloroethane	6670	5180		ug/Kg		78	37 - 97
Indeno[1,2,3-cd]pyrene	6670	5200		ug/Kg		78	41 - 125
Isophorone	6670	5220		ug/Kg		78	47 - 110
2-Methylnaphthalene	6670	5110		ug/Kg		77	45 - 100
2-Methylphenol	6670	5320		ug/Kg		80	40 - 104
Methylphenol, 3 & 4	6670	4950		ug/Kg		74	42 - 105
Naphthalene	6670	5220		ug/Kg		78	43 - 100
2-Nitroaniline	6670	5470		ug/Kg		82	45 - 117
3-Nitroaniline	6670	5180		ug/Kg		78	34 - 122
4-Nitroaniline	6670	5650		ug/Kg		85	38 - 123
Nitrobenzene	6670	5320		ug/Kg		80	43 - 104
2-Nitrophenol	6670	5280		ug/Kg		79	46 - 106
4-Nitrophenol	13300	14500		ug/Kg		109	36 - 127
N-Nitrosodi-n-propylamine	6670	4880		ug/Kg		73	42 - 107
N-Nitrosodiphenylamine	6670	5080		ug/Kg		76	44 - 111
2,2'-oxybis[1-chloropropane]	6670	4430		ug/Kg		66	36 - 101
Pentachlorophenol	13300	9970		ug/Kg		75	17 - 122
Phenanthrene	6670	5120		ug/Kg		77	43 - 108
Phenol	6670	4900		ug/Kg		73	41 - 102
Pyrene	6670	4360		ug/Kg		65	41 - 115
1,2,4,5-Tetrachlorobenzene	6670	5600		ug/Kg		84	30 - 125
2,3,4,6-Tetrachlorophenol	6670	5180		ug/Kg		78	38 - 113
2,4,5-Trichlorophenol	6670	5350		ug/Kg		80	48 - 108
2,4,6-Trichlorophenol	6670	5470		ug/Kg		82	50 - 106

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*35 - 105*
2-Fluorophenol (Surr)	*81*		*39 - 103*

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-116269/2-A
Matrix: Solid
Analysis Batch: 116444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116269

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*82*		*25 - 104*
Phenol-d5 (Surr)	*77*		*25 - 105*
Terphenyl-d14 (Surr)	*70*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*74*		*35 - 124*

Lab Sample ID: 180-35818-81 MS
Matrix: Solid
Analysis Batch: 116444

Client Sample ID: DUP-17
Prep Type: Total/NA
Prep Batch: 116269

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		7780	6310		ug/Kg	☼	81	47 - 104
Acenaphthylene	ND		7780	6080		ug/Kg	☼	78	49 - 114
Acetophenone	ND		7780	6430		ug/Kg	☼	83	30 - 150
Anthracene	ND		7780	6400		ug/Kg	☼	82	45 - 112
Atrazine	ND		7780	5900		ug/Kg	☼	76	30 - 150
Benzaldehyde	100	J *	7780	2010	F1	ug/Kg	☼	25	30 - 150
Benzo[a]anthracene	87		7780	6140		ug/Kg	☼	78	47 - 110
Benzo[a]pyrene	48	J	7780	5960		ug/Kg	☼	76	47 - 112
Benzo[b]fluoranthene	140		7780	5710		ug/Kg	☼	72	41 - 107
Benzo[g,h,i]perylene	140		7780	6860		ug/Kg	☼	86	38 - 126
Benzo[k]fluoranthene	35	J	7780	6030		ug/Kg	☼	77	44 - 115
1,1'-Biphenyl	ND		7780	6120		ug/Kg	☼	79	30 - 150
Bis(2-chloroethoxy)methane	ND		7780	6330		ug/Kg	☼	81	44 - 101
Bis(2-chloroethyl)ether	ND		7780	5970		ug/Kg	☼	77	38 - 99
Bis(2-ethylhexyl) phthalate	ND		7780	6210		ug/Kg	☼	80	40 - 122
4-Bromophenyl phenyl ether	ND		7780	6280		ug/Kg	☼	81	47 - 110
Butyl benzyl phthalate	ND		7780	6320		ug/Kg	☼	81	41 - 118
Caprolactam	ND		7780	8100		ug/Kg	☼	104	30 - 150
Carbazole	ND		7780	6460		ug/Kg	☼	83	45 - 114
4-Chloroaniline	ND		7780	6020		ug/Kg	☼	77	25 - 108
4-Chloro-3-methylphenol	ND		7780	6550		ug/Kg	☼	84	47 - 109
2-Chloronaphthalene	ND		7780	5720		ug/Kg	☼	73	46 - 101
2-Chlorophenol	ND		7780	6280		ug/Kg	☼	81	40 - 101
4-Chlorophenyl phenyl ether	ND		7780	6520		ug/Kg	☼	84	47 - 109
Chrysene	230		7780	6480		ug/Kg	☼	80	46 - 111
Dibenz(a,h)anthracene	ND		7780	6680		ug/Kg	☼	86	39 - 127
Dibenzofuran	72	J	7780	6240		ug/Kg	☼	79	46 - 104
3,3'-Dichlorobenzidine	ND		7780	3930		ug/Kg	☼	51	19 - 122
2,4-Dichlorophenol	ND		7780	6380		ug/Kg	☼	82	47 - 105
Diethyl phthalate	ND		7780	7090		ug/Kg	☼	91	47 - 115
2,4-Dimethylphenol	ND		7780	5180		ug/Kg	☼	67	44 - 105
Dimethyl phthalate	ND		7780	6610		ug/Kg	☼	85	49 - 111
Di-n-butyl phthalate	ND		7780	6620		ug/Kg	☼	85	43 - 121
4,6-Dinitro-2-methylphenol	ND		15600	13000		ug/Kg	☼	84	24 - 134
2,4-Dinitrophenol	ND		15600	11100		ug/Kg	☼	71	10 - 146
2,4-Dinitrotoluene	ND		7780	6700		ug/Kg	☼	86	45 - 124
2,6-Dinitrotoluene	ND		7780	6540		ug/Kg	☼	84	50 - 122
Di-n-octyl phthalate	ND		7780	5910		ug/Kg	☼	76	33 - 129

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35818-81 MS **Client Sample ID: DUP-17**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116444 **Prep Batch: 116269**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	ND		7780	6190		ug/Kg	☼	80	41 - 102
Fluoranthene	140		7780	7000		ug/Kg	☼	88	40 - 120
Fluorene	ND		7780	6680		ug/Kg	☼	86	46 - 109
Hexachlorobenzene	ND		7780	6050		ug/Kg	☼	78	47 - 108
Hexachlorobutadiene	ND		7780	7390		ug/Kg	☼	95	43 - 107
Hexachlorocyclopentadiene	ND		7780	6830		ug/Kg	☼	88	23 - 129
Hexachloroethane	ND		7780	6570		ug/Kg	☼	84	37 - 97
Indeno[1,2,3-cd]pyrene	46	J	7780	6640		ug/Kg	☼	85	41 - 125
Isophorone	ND		7780	6740		ug/Kg	☼	87	47 - 110
2-Methylnaphthalene	200		7780	6700		ug/Kg	☼	84	45 - 100
2-Methylphenol	ND		7780	6030		ug/Kg	☼	78	40 - 104
Methylphenol, 3 & 4	ND		7780	5740		ug/Kg	☼	74	42 - 105
Naphthalene	100		7780	6600		ug/Kg	☼	83	43 - 100
2-Nitroaniline	ND		7780	6640		ug/Kg	☼	85	45 - 117
3-Nitroaniline	ND		7780	5490		ug/Kg	☼	71	34 - 122
4-Nitroaniline	ND		7780	6210		ug/Kg	☼	80	38 - 123
Nitrobenzene	ND		7780	6630		ug/Kg	☼	85	43 - 104
2-Nitrophenol	ND		7780	6690		ug/Kg	☼	86	46 - 106
4-Nitrophenol	ND		15600	16300		ug/Kg	☼	105	36 - 127
N-Nitrosodi-n-propylamine	ND		7780	6300		ug/Kg	☼	81	42 - 107
N-Nitrosodiphenylamine	ND		7780	6090		ug/Kg	☼	78	44 - 111
2,2'-oxybis[1-chloropropane]	ND		7780	5610		ug/Kg	☼	72	36 - 101
Pentachlorophenol	ND		15600	11200		ug/Kg	☼	72	17 - 122
Phenanthrene	400		7780	6690		ug/Kg	☼	81	43 - 108
Phenol	ND		7780	5830		ug/Kg	☼	75	41 - 102
Pyrene	110		7780	5480		ug/Kg	☼	69	41 - 115
1,2,4,5-Tetrachlorobenzene	ND		7780	6310		ug/Kg	☼	81	30 - 125
2,3,4,6-Tetrachlorophenol	ND		7780	6180		ug/Kg	☼	79	38 - 113
2,4,5-Trichlorophenol	ND		7780	6180		ug/Kg	☼	79	48 - 108
2,4,6-Trichlorophenol	ND		7780	6130		ug/Kg	☼	79	50 - 106

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*35 - 105*
2-Fluorophenol (Surr)	*83*		*39 - 103*
Nitrobenzene-d5 (Surr)	*89*		*25 - 104*
Phenol-d5 (Surr)	*80*		*25 - 105*
Terphenyl-d14 (Surr)	*70*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 124*

Lab Sample ID: 180-35818-81 MSD **Client Sample ID: DUP-17**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116444 **Prep Batch: 116269**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		7780	5230		ug/Kg	☼	67	47 - 104	19	40
Acenaphthylene	ND		7780	5050		ug/Kg	☼	65	49 - 114	18	38
Acetophenone	ND		7780	5530		ug/Kg	☼	71	30 - 150	15	40
Anthracene	ND		7780	4860		ug/Kg	☼	62	45 - 112	27	42

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35818-81 MSD
Client Sample ID: DUP-17
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116444
Prep Batch: 116269

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Atrazine	ND		7780	4520		ug/Kg	☼	58	30 - 150	27	40
Benzaldehyde	100	J *	7780	1900	F1	ug/Kg	☼	23	30 - 150	6	40
Benzo[a]anthracene	87		7780	5250		ug/Kg	☼	66	47 - 110	16	40
Benzo[a]pyrene	48	J	7780	4990		ug/Kg	☼	64	47 - 112	18	42
Benzo[b]fluoranthene	140		7780	4800		ug/Kg	☼	60	41 - 107	17	53
Benzo[g,h,i]perylene	140		7780	5800		ug/Kg	☼	73	38 - 126	17	43
Benzo[k]fluoranthene	35	J	7780	4980		ug/Kg	☼	64	44 - 115	19	44
1,1'-Biphenyl	ND		7780	5180		ug/Kg	☼	67	30 - 150	16	40
Bis(2-chloroethoxy)methane	ND		7780	5370		ug/Kg	☼	69	44 - 101	16	36
Bis(2-chloroethyl)ether	ND		7780	4960		ug/Kg	☼	64	38 - 99	18	43
Bis(2-ethylhexyl) phthalate	ND		7780	5260		ug/Kg	☼	68	40 - 122	17	41
4-Bromophenyl phenyl ether	ND		7780	4940		ug/Kg	☼	63	47 - 110	24	46
Butyl benzyl phthalate	ND		7780	5260		ug/Kg	☼	68	41 - 118	18	41
Caprolactam	ND		7780	6700		ug/Kg	☼	86	30 - 150	19	40
Carbazole	ND		7780	5130		ug/Kg	☼	66	45 - 114	23	36
4-Chloroaniline	ND		7780	5110		ug/Kg	☼	66	25 - 108	16	36
4-Chloro-3-methylphenol	ND		7780	5490		ug/Kg	☼	71	47 - 109	18	36
2-Chloronaphthalene	ND		7780	4840		ug/Kg	☼	62	46 - 101	17	40
2-Chlorophenol	ND		7780	5240		ug/Kg	☼	67	40 - 101	18	42
4-Chlorophenyl phenyl ether	ND		7780	5410		ug/Kg	☼	70	47 - 109	19	39
Chrysene	230		7780	5460		ug/Kg	☼	67	46 - 111	17	39
Dibenz(a,h)anthracene	ND		7780	5630		ug/Kg	☼	72	39 - 127	17	45
Dibenzofuran	72	J	7780	5250		ug/Kg	☼	67	46 - 104	17	38
3,3'-Dichlorobenzidine	ND		7780	3260		ug/Kg	☼	42	19 - 122	19	40
2,4-Dichlorophenol	ND		7780	5390		ug/Kg	☼	69	47 - 105	17	35
Diethyl phthalate	ND		7780	5950		ug/Kg	☼	76	47 - 115	18	38
2,4-Dimethylphenol	ND		7780	4500		ug/Kg	☼	58	44 - 105	14	49
Dimethyl phthalate	ND		7780	5620		ug/Kg	☼	72	49 - 111	16	37
Di-n-butyl phthalate	ND		7780	5140		ug/Kg	☼	66	43 - 121	25	38
4,6-Dinitro-2-methylphenol	ND		15600	10700		ug/Kg	☼	68	24 - 134	20	87
2,4-Dinitrophenol	ND		15600	9640		ug/Kg	☼	62	10 - 146	14	83
2,4-Dinitrotoluene	ND		7780	5670		ug/Kg	☼	73	45 - 124	17	41
2,6-Dinitrotoluene	ND		7780	5500		ug/Kg	☼	71	50 - 122	17	40
Di-n-octyl phthalate	ND		7780	4920		ug/Kg	☼	63	33 - 129	18	41
1,4-Dioxane	ND		7780	5050		ug/Kg	☼	65	41 - 102	20	35
Fluoranthene	140		7780	5360		ug/Kg	☼	67	40 - 120	26	36
Fluorene	ND		7780	5640		ug/Kg	☼	72	46 - 109	17	40
Hexachlorobenzene	ND		7780	4840		ug/Kg	☼	62	47 - 108	22	43
Hexachlorobutadiene	ND		7780	6250		ug/Kg	☼	80	43 - 107	17	39
Hexachlorocyclopentadiene	ND		7780	5750		ug/Kg	☼	74	23 - 129	17	49
Hexachloroethane	ND		7780	5480		ug/Kg	☼	70	37 - 97	18	48
Indeno[1,2,3-cd]pyrene	46	J	7780	5550		ug/Kg	☼	71	41 - 125	18	47
Isophorone	ND		7780	5710		ug/Kg	☼	73	47 - 110	17	37
2-Methylnaphthalene	200		7780	5640		ug/Kg	☼	70	45 - 100	17	40
2-Methylphenol	ND		7780	5320		ug/Kg	☼	68	40 - 104	13	41
Methylphenol, 3 & 4	ND		7780	5100		ug/Kg	☼	66	42 - 105	12	43
Naphthalene	100		7780	5630		ug/Kg	☼	71	43 - 100	16	32
2-Nitroaniline	ND		7780	5540		ug/Kg	☼	71	45 - 117	18	42

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35818-81 MSD
Matrix: Solid
Analysis Batch: 116444

Client Sample ID: DUP-17
Prep Type: Total/NA
Prep Batch: 116269

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
3-Nitroaniline	ND		7780	4710		ug/Kg	☼	61	34 - 122	15	39
4-Nitroaniline	ND		7780	5100		ug/Kg	☼	66	38 - 123	20	40
Nitrobenzene	ND		7780	5640		ug/Kg	☼	72	43 - 104	16	33
2-Nitrophenol	ND		7780	5810		ug/Kg	☼	75	46 - 106	14	39
4-Nitrophenol	ND		15600	13100		ug/Kg	☼	84	36 - 127	22	43
N-Nitrosodi-n-propylamine	ND		7780	5470		ug/Kg	☼	70	42 - 107	14	43
N-Nitrosodiphenylamine	ND		7780	4700		ug/Kg	☼	60	44 - 111	26	40
2,2'-oxybis[1-chloropropane]	ND		7780	4820		ug/Kg	☼	62	36 - 101	15	41
Pentachlorophenol	ND		15600	8930		ug/Kg	☼	57	17 - 122	23	52
Phenanthrene	400		7780	5560		ug/Kg	☼	66	43 - 108	18	39
Phenol	ND		7780	4930		ug/Kg	☼	63	41 - 102	17	39
Pyrene	110		7780	4660		ug/Kg	☼	58	41 - 115	16	43
1,2,4,5-Tetrachlorobenzene	ND		7780	5350		ug/Kg	☼	69	30 - 125	16	25
2,3,4,6-Tetrachlorophenol	ND		7780	5330		ug/Kg	☼	68	38 - 113	15	83
2,4,5-Trichlorophenol	ND		7780	5210		ug/Kg	☼	67	48 - 108	17	44
2,4,6-Trichlorophenol	ND		7780	5210		ug/Kg	☼	67	50 - 106	16	42

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*68*		*35 - 105*
2-Fluorophenol (Surr)	*68*		*39 - 103*
Nitrobenzene-d5 (Surr)	*75*		*25 - 104*
Phenol-d5 (Surr)	*65*		*25 - 105*
Terphenyl-d14 (Surr)	*60*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*60*		*35 - 124*

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

Lab Sample ID: MB 180-115091/1-A
Matrix: Water
Analysis Batch: 115542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.014	ug/L		08/18/14 10:33	08/21/14 10:07	1
Acenaphthylene	ND		0.20	0.015	ug/L		08/18/14 10:33	08/21/14 10:07	1
Acetophenone	ND		1.0	0.080	ug/L		08/18/14 10:33	08/21/14 10:07	1
Anthracene	ND		0.20	0.015	ug/L		08/18/14 10:33	08/21/14 10:07	1
Atrazine	ND		1.0	0.089	ug/L		08/18/14 10:33	08/21/14 10:07	1
Benzaldehyde	ND		1.0	0.15	ug/L		08/18/14 10:33	08/21/14 10:07	1
Benzo[a]anthracene	ND		0.20	0.015	ug/L		08/18/14 10:33	08/21/14 10:07	1
Benzo[a]pyrene	ND		0.20	0.013	ug/L		08/18/14 10:33	08/21/14 10:07	1
Benzo[b]fluoranthene	ND		0.20	0.016	ug/L		08/18/14 10:33	08/21/14 10:07	1
Benzo[g,h,i]perylene	ND		0.20	0.015	ug/L		08/18/14 10:33	08/21/14 10:07	1
Benzo[k]fluoranthene	ND		0.20	0.055	ug/L		08/18/14 10:33	08/21/14 10:07	1
1,1'-Biphenyl	ND		1.0	0.042	ug/L		08/18/14 10:33	08/21/14 10:07	1
Bis(2-chloroethoxy)methane	ND		1.0	0.058	ug/L		08/18/14 10:33	08/21/14 10:07	1
Bis(2-chloroethyl)ether	ND		0.20	0.025	ug/L		08/18/14 10:33	08/21/14 10:07	1
Bis(2-ethylhexyl) phthalate	ND		2.0	1.3	ug/L		08/18/14 10:33	08/21/14 10:07	1
4-Bromophenyl phenyl ether	ND		1.0	0.064	ug/L		08/18/14 10:33	08/21/14 10:07	1

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

Lab Sample ID: MB 180-115091/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 115542 **Prep Batch: 115091**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		1.0	0.14	ug/L		08/18/14 10:33	08/21/14 10:07	1
Caprolactam	ND		5.0	1.2	ug/L		08/18/14 10:33	08/21/14 10:07	1
Carbazole	ND		0.20	0.016	ug/L		08/18/14 10:33	08/21/14 10:07	1
4-Chloroaniline	ND		1.0	0.089	ug/L		08/18/14 10:33	08/21/14 10:07	1
4-Chloro-3-methylphenol	ND		1.0	0.075	ug/L		08/18/14 10:33	08/21/14 10:07	1
2-Chloronaphthalene	ND		0.20	0.015	ug/L		08/18/14 10:33	08/21/14 10:07	1
2-Chlorophenol	ND		1.0	0.17	ug/L		08/18/14 10:33	08/21/14 10:07	1
4-Chlorophenyl phenyl ether	ND		1.0	0.050	ug/L		08/18/14 10:33	08/21/14 10:07	1
Chrysene	ND		0.20	0.014	ug/L		08/18/14 10:33	08/21/14 10:07	1
Dibenz(a,h)anthracene	ND		0.20	0.016	ug/L		08/18/14 10:33	08/21/14 10:07	1
Dibenzofuran	ND		1.0	0.062	ug/L		08/18/14 10:33	08/21/14 10:07	1
3,3'-Dichlorobenzidine	ND		1.0	0.11	ug/L		08/18/14 10:33	08/21/14 10:07	1
2,4-Dichlorophenol	ND		0.20	0.033	ug/L		08/18/14 10:33	08/21/14 10:07	1
Diethyl phthalate	ND		1.0	0.15	ug/L		08/18/14 10:33	08/21/14 10:07	1
2,4-Dimethylphenol	ND		1.0	0.085	ug/L		08/18/14 10:33	08/21/14 10:07	1
Dimethyl phthalate	ND		1.0	0.077	ug/L		08/18/14 10:33	08/21/14 10:07	1
Di-n-butyl phthalate	ND		1.0	0.12	ug/L		08/18/14 10:33	08/21/14 10:07	1
4,6-Dinitro-2-methylphenol	ND		5.0	0.22	ug/L		08/18/14 10:33	08/21/14 10:07	1
2,4-Dinitrophenol	ND		5.0	0.61	ug/L		08/18/14 10:33	08/21/14 10:07	1
2,4-Dinitrotoluene	ND		1.0	0.054	ug/L		08/18/14 10:33	08/21/14 10:07	1
2,6-Dinitrotoluene	ND		1.0	0.080	ug/L		08/18/14 10:33	08/21/14 10:07	1
Di-n-octyl phthalate	ND		1.0	0.21	ug/L		08/18/14 10:33	08/21/14 10:07	1
1,4-Dioxane	ND		2.0	0.14	ug/L		08/18/14 10:33	08/21/14 10:07	1
Fluoranthene	ND		0.20	0.016	ug/L		08/18/14 10:33	08/21/14 10:07	1
Fluorene	ND		0.20	0.022	ug/L		08/18/14 10:33	08/21/14 10:07	1
Hexachlorobenzene	ND		0.20	0.018	ug/L		08/18/14 10:33	08/21/14 10:07	1
Hexachlorobutadiene	ND		0.20	0.017	ug/L		08/18/14 10:33	08/21/14 10:07	1
Hexachlorocyclopentadiene	ND		1.0	0.052	ug/L		08/18/14 10:33	08/21/14 10:07	1
Hexachloroethane	ND		1.0	0.063	ug/L		08/18/14 10:33	08/21/14 10:07	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.020	ug/L		08/18/14 10:33	08/21/14 10:07	1
Isophorone	ND		1.0	0.064	ug/L		08/18/14 10:33	08/21/14 10:07	1
2-Methylnaphthalene	ND		0.20	0.012	ug/L		08/18/14 10:33	08/21/14 10:07	1
2-Methylphenol	ND		1.0	0.086	ug/L		08/18/14 10:33	08/21/14 10:07	1
Methylphenol, 3 & 4	ND		1.0	0.090	ug/L		08/18/14 10:33	08/21/14 10:07	1
Naphthalene	ND		0.20	0.014	ug/L		08/18/14 10:33	08/21/14 10:07	1
2-Nitroaniline	ND		5.0	0.35	ug/L		08/18/14 10:33	08/21/14 10:07	1
3-Nitroaniline	ND		5.0	0.32	ug/L		08/18/14 10:33	08/21/14 10:07	1
4-Nitroaniline	ND		5.0	0.17	ug/L		08/18/14 10:33	08/21/14 10:07	1
Nitrobenzene	ND		2.0	0.084	ug/L		08/18/14 10:33	08/21/14 10:07	1
2-Nitrophenol	ND		1.0	0.17	ug/L		08/18/14 10:33	08/21/14 10:07	1
4-Nitrophenol	ND		5.0	0.65	ug/L		08/18/14 10:33	08/21/14 10:07	1
N-Nitrosodi-n-propylamine	ND		0.20	0.031	ug/L		08/18/14 10:33	08/21/14 10:07	1
N-Nitrosodiphenylamine	ND		1.0	0.085	ug/L		08/18/14 10:33	08/21/14 10:07	1
2,2'-oxybis[1-chloropropane]	ND		0.20	0.020	ug/L		08/18/14 10:33	08/21/14 10:07	1
Pentachlorophenol	ND		1.0	0.066	ug/L		08/18/14 10:33	08/21/14 10:07	1
Phenanthrene	ND		0.20	0.043	ug/L		08/18/14 10:33	08/21/14 10:07	1
Phenol	ND		0.20	0.058	ug/L		08/18/14 10:33	08/21/14 10:07	1
Pyrene	ND		0.20	0.016	ug/L		08/18/14 10:33	08/21/14 10:07	1

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

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

Lab Sample ID: MB 180-115091/1-A
Matrix: Water
Analysis Batch: 115542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		1.0	0.065	ug/L		08/18/14 10:33	08/21/14 10:07	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.14	ug/L		08/18/14 10:33	08/21/14 10:07	1
2,4,5-Trichlorophenol	ND		1.0	0.15	ug/L		08/18/14 10:33	08/21/14 10:07	1
2,4,6-Trichlorophenol	ND		1.0	0.17	ug/L		08/18/14 10:33	08/21/14 10:07	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*08/18/14 10:33*	*08/21/14 10:07*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*19 - 107*	*08/18/14 10:33*	*08/21/14 10:07*	*1*
2-Fluorophenol (Surr)	*79*		*10 - 111*	*08/18/14 10:33*	*08/21/14 10:07*	*1*
Nitrobenzene-d5 (Surr)	*77*		*23 - 112*	*08/18/14 10:33*	*08/21/14 10:07*	*1*
Phenol-d5 (Surr)	*73*		*15 - 112*	*08/18/14 10:33*	*08/21/14 10:07*	*1*
Terphenyl-d14 (Surr)	*78*		*10 - 132*	*08/18/14 10:33*	*08/21/14 10:07*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*16 - 122*	*08/18/14 10:33*	*08/21/14 10:07*	*1*

Lab Sample ID: LCS 180-115091/2-A
Matrix: Water
Analysis Batch: 115542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	20.0	15.2		ug/L		76	35 - 99
Acenaphthylene	20.0	14.9		ug/L		75	37 - 107
Acetophenone	20.0	12.6		ug/L		63	30 - 150
Anthracene	20.0	15.1		ug/L		75	35 - 105
Atrazine	20.0	14.9		ug/L		75	30 - 150
Benzaldehyde	20.0	17.6		ug/L		88	30 - 150
Benzo[a]anthracene	20.0	13.9		ug/L		69	38 - 101
Benzo[a]pyrene	20.0	14.7		ug/L		74	26 - 108
Benzo[b]fluoranthene	20.0	13.5		ug/L		67	29 - 98
Benzo[g,h,i]perylene	20.0	15.2		ug/L		76	20 - 115
Benzo[k]fluoranthene	20.0	14.4		ug/L		72	28 - 107
1,1'-Biphenyl	20.0	15.2		ug/L		76	30 - 150
Bis(2-chloroethoxy)methane	20.0	13.8		ug/L		69	33 - 98
Bis(2-chloroethyl)ether	20.0	13.4		ug/L		67	33 - 95
Bis(2-ethylhexyl) phthalate	20.0	14.8		ug/L		74	20 - 116
4-Bromophenyl phenyl ether	20.0	15.8		ug/L		79	37 - 104
Butyl benzyl phthalate	20.0	14.5		ug/L		73	36 - 108
Caprolactam	20.0	13.3		ug/L		67	30 - 150
Carbazole	20.0	14.9		ug/L		74	29 - 112
4-Chloroaniline	20.0	13.1		ug/L		66	10 - 99
4-Chloro-3-methylphenol	20.0	14.6		ug/L		73	35 - 104
2-Chloronaphthalene	20.0	14.1		ug/L		70	34 - 96
2-Chlorophenol	20.0	14.0		ug/L		70	31 - 99
4-Chlorophenyl phenyl ether	20.0	15.3		ug/L		76	34 - 103
Chrysene	20.0	14.6		ug/L		73	37 - 99
Dibenz(a,h)anthracene	20.0	15.2		ug/L		76	19 - 118

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

Lab Sample ID: LCS 180-115091/2-A
Matrix: Water
Analysis Batch: 115542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenzofuran	20.0	14.6		ug/L		73	34 - 101
3,3'-Dichlorobenzidine	20.0	14.8		ug/L		74	10 - 89
2,4-Dichlorophenol	20.0	14.4		ug/L		72	34 - 104
Diethyl phthalate	20.0	16.8		ug/L		84	36 - 109
2,4-Dimethylphenol	20.0	14.7		ug/L		73	33 - 97
Dimethyl phthalate	20.0	15.4		ug/L		77	37 - 106
Di-n-butyl phthalate	20.0	16.1		ug/L		80	37 - 111
4,6-Dinitro-2-methylphenol	40.0	31.0		ug/L		78	24 - 124
2,4-Dinitrophenol	40.0	31.1		ug/L		78	10 - 130
2,4-Dinitrotoluene	20.0	16.7		ug/L		84	37 - 115
2,6-Dinitrotoluene	20.0	15.5		ug/L		77	39 - 113
Di-n-octyl phthalate	20.0	12.0		ug/L		60	11 - 127
1,4-Dioxane	20.0	15.3		ug/L		76	23 - 88
Fluoranthene	20.0	15.7		ug/L		79	32 - 112
Fluorene	20.0	15.9		ug/L		79	34 - 104
Hexachlorobenzene	20.0	15.3		ug/L		77	35 - 102
Hexachlorobutadiene	20.0	15.4		ug/L		77	35 - 100
Hexachlorocyclopentadiene	20.0	17.6		ug/L		88	36 - 115
Hexachloroethane	20.0	13.1		ug/L		65	32 - 94
Indeno[1,2,3-cd]pyrene	20.0	14.9		ug/L		74	22 - 115
Isophorone	20.0	14.5		ug/L		72	38 - 102
2-Methylnaphthalene	20.0	13.3		ug/L		67	34 - 98
2-Methylphenol	20.0	14.4		ug/L		72	33 - 98
Methylphenol, 3 & 4	20.0	14.2		ug/L		71	32 - 100
Naphthalene	20.0	14.1		ug/L		71	35 - 97
2-Nitroaniline	20.0	17.1		ug/L		85	29 - 112
3-Nitroaniline	20.0	14.7		ug/L		74	11 - 104
4-Nitroaniline	20.0	16.9		ug/L		84	20 - 124
Nitrobenzene	20.0	15.5		ug/L		77	37 - 100
2-Nitrophenol	20.0	15.7		ug/L		78	34 - 107
4-Nitrophenol	40.0	38.7		ug/L		97	29 - 115
N-Nitrosodi-n-propylamine	20.0	13.3		ug/L		67	34 - 101
N-Nitrosodiphenylamine	20.0	15.4		ug/L		77	32 - 102
2,2'-oxybis[1-chloropropane]	20.0	13.3		ug/L		66	30 - 99
Pentachlorophenol	40.0	33.6		ug/L		84	15 - 111
Phenanthrene	20.0	14.1		ug/L		70	32 - 104
Phenol	20.0	14.1		ug/L		71	32 - 95
Pyrene	20.0	13.3		ug/L		66	35 - 106
1,2,4,5-Tetrachlorobenzene	20.0	15.7		ug/L		79	30 - 125
2,3,4,6-Tetrachlorophenol	20.0	16.3		ug/L		81	36 - 103
2,4,5-Trichlorophenol	20.0	15.8		ug/L		79	34 - 104
2,4,6-Trichlorophenol	20.0	16.6		ug/L		83	36 - 103

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*19 - 107*
2-Fluorophenol (Surr)	*78*		*10 - 111*
Nitrobenzene-d5 (Surr)	*77*		*23 - 112*
Phenol-d5 (Surr)	*69*		*15 - 112*

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

Lab Sample ID: LCS 180-115091/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115542
Prep Batch: 115091

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14 (Surr)	*68*		*10 - 132*
2,4,6-Tribromophenol (Surr)	*82*		*16 - 122*

Lab Sample ID: 180-35818-84 MS
Client Sample ID: SSHS-B26-A-GW-18-22
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115542
Prep Batch: 115091

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		19.0	9.55		ug/L		50	35 - 99
Acenaphthylene	ND		19.0	8.60		ug/L		45	37 - 107
Acetophenone	ND		19.0	12.0		ug/L		63	30 - 150
Anthracene	ND		19.0	8.68		ug/L		46	35 - 105
Atrazine	ND		19.0	14.9		ug/L		78	30 - 150
Benzaldehyde	ND		19.0	13.5		ug/L		71	30 - 150
Benzo[a]anthracene	3.7		19.0	10.9		ug/L		38	38 - 101
Benzo[a]pyrene	0.59		19.0	7.23		ug/L		35	26 - 108
Benzo[b]fluoranthene	ND		19.0	6.83		ug/L		36	29 - 98
Benzo[g,h,i]perylene	ND		19.0	7.87		ug/L		41	20 - 115
Benzo[k]fluoranthene	ND		19.0	6.72		ug/L		35	28 - 107
1,1'-Biphenyl	ND		19.0	8.10		ug/L		43	30 - 150
Bis(2-chloroethoxy)methane	ND		19.0	10.0		ug/L		53	33 - 98
Bis(2-chloroethyl)ether	ND		19.0	10.9		ug/L		57	33 - 95
Bis(2-ethylhexyl) phthalate	ND		19.0	7.77		ug/L		41	20 - 116
4-Bromophenyl phenyl ether	ND		19.0	8.09		ug/L		42	37 - 104
Butyl benzyl phthalate	ND		19.0	5.72	F1	ug/L		30	36 - 108
Caprolactam	ND		19.0	20.4		ug/L		107	30 - 150
Carbazole	ND		19.0	10.2		ug/L		54	29 - 112
4-Chloroaniline	ND		19.0	4.83		ug/L		25	10 - 99
4-Chloro-3-methylphenol	ND		19.0	8.75		ug/L		46	35 - 104
2-Chloronaphthalene	ND		19.0	8.24		ug/L		43	34 - 96
2-Chlorophenol	ND		19.0	11.0		ug/L		58	31 - 99
4-Chlorophenyl phenyl ether	ND		19.0	7.87		ug/L		41	34 - 103
Chrysene	7.0		19.0	12.4	F1	ug/L		28	37 - 99
Dibenz(a,h)anthracene	ND		19.0	8.22		ug/L		43	19 - 118
Dibenzofuran	ND		19.0	7.91		ug/L		42	34 - 101
3,3'-Dichlorobenzidine	ND		19.0	6.17		ug/L		32	10 - 89
2,4-Dichlorophenol	ND		19.0	10.3		ug/L		54	34 - 104
Diethyl phthalate	ND		19.0	9.98		ug/L		52	36 - 109
2,4-Dimethylphenol	ND		19.0	5.56	F1	ug/L		29	33 - 97
Dimethyl phthalate	ND		19.0	13.0		ug/L		68	37 - 106
Di-n-butyl phthalate	ND		19.0	7.41		ug/L		39	37 - 111
4,6-Dinitro-2-methylphenol	ND		38.1	21.8		ug/L		57	24 - 124
2,4-Dinitrophenol	ND		38.1	20.6		ug/L		54	10 - 130
2,4-Dinitrotoluene	ND		19.0	12.9		ug/L		68	37 - 115
2,6-Dinitrotoluene	ND		19.0	12.7		ug/L		67	39 - 113
Di-n-octyl phthalate	ND		19.0	6.07		ug/L		32	11 - 127
1,4-Dioxane	ND		19.0	10.2		ug/L		53	23 - 88
Fluoranthene	1.2		19.0	8.37		ug/L		38	32 - 112

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

Lab Sample ID: 180-35818-84 MS
Matrix: Water
Analysis Batch: 115542

Client Sample ID: SSHS-B26-A-GW-18-22
Prep Type: Total/NA
Prep Batch: 115091

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	ND		19.0	8.38		ug/L		44	34 - 104
Hexachlorobenzene	ND		19.0	8.49		ug/L		45	35 - 102
Hexachlorobutadiene	ND		19.0	6.69		ug/L		35	35 - 100
Hexachlorocyclopentadiene	ND		19.0	0.261	J F1	ug/L		1	36 - 115
Hexachloroethane	ND		19.0	7.18		ug/L		38	32 - 94
Indeno[1,2,3-cd]pyrene	ND		19.0	7.72		ug/L		41	22 - 115
Isophorone	ND		19.0	12.3		ug/L		65	38 - 102
2-Methylnaphthalene	ND		19.0	6.29	F1	ug/L		33	34 - 98
2-Methylphenol	ND		19.0	4.67	F1	ug/L		25	33 - 98
Methylphenol, 3 & 4	ND		19.0	7.36		ug/L		39	32 - 100
Naphthalene	ND		19.0	7.87		ug/L		41	35 - 97
2-Nitroaniline	ND		19.0	12.6		ug/L		66	29 - 112
3-Nitroaniline	ND		19.0	10.8		ug/L		57	11 - 104
4-Nitroaniline	ND		19.0	11.0		ug/L		58	20 - 124
Nitrobenzene	ND		19.0	11.1		ug/L		58	37 - 100
2-Nitrophenol	ND		19.0	11.6		ug/L		61	34 - 107
4-Nitrophenol	ND		38.1	31.3		ug/L		82	29 - 115
N-Nitrosodi-n-propylamine	ND		19.0	12.0		ug/L		63	34 - 101
N-Nitrosodiphenylamine	ND		19.0	18.8		ug/L		98	32 - 102
2,2'-oxybis[1-chloropropane]	ND		19.0	10.3		ug/L		54	30 - 99
Pentachlorophenol	ND		38.1	22.7		ug/L		60	15 - 111
Phenanthrene	ND		19.0	9.58		ug/L		50	32 - 104
Phenol	ND		19.0	9.72		ug/L		51	32 - 95
Pyrene	3.5		19.0	8.19	F1	ug/L		25	35 - 106
1,2,4,5-Tetrachlorobenzene	ND		19.0	9.15		ug/L		48	30 - 125
2,3,4,6-Tetrachlorophenol	ND		19.0	11.3		ug/L		59	36 - 103
2,4,5-Trichlorophenol	ND		19.0	16.4		ug/L		86	34 - 104
2,4,6-Trichlorophenol	ND		19.0	14.5		ug/L		76	36 - 103

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*19 - 107*
2-Fluorophenol (Surr)	*81*		*10 - 111*
Nitrobenzene-d5 (Surr)	*88*		*23 - 112*
Phenol-d5 (Surr)	*78*		*15 - 112*
Terphenyl-d14 (Surr)	*43*		*10 - 132*
2,4,6-Tribromophenol (Surr)	*104*		*16 - 122*

Lab Sample ID: 180-35818-84 MSD
Matrix: Water
Analysis Batch: 115542

Client Sample ID: SSHS-B26-A-GW-18-22
Prep Type: Total/NA
Prep Batch: 115091

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		19.0	9.91		ug/L		52	35 - 99	4	41
Acenaphthylene	ND		19.0	8.81		ug/L		46	37 - 107	2	40
Acetophenone	ND		19.0	12.1		ug/L		64	30 - 150	1	35
Anthracene	ND		19.0	8.75		ug/L		46	35 - 105	1	37
Atrazine	ND		19.0	15.0		ug/L		79	30 - 150	1	35
Benzaldehyde	ND		19.0	14.0		ug/L		74	30 - 150	3	35

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

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

Lab Sample ID: 180-35818-84 MSD
Matrix: Water
Analysis Batch: 115542

Client Sample ID: SSHS-B26-A-GW-18-22
Prep Type: Total/NA
Prep Batch: 115091

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene	3.7		19.0	11.1		ug/L		39	38 - 101	1	36
Benzo[a]pyrene	0.59		19.0	7.69		ug/L		37	26 - 108	6	40
Benzo[b]fluoranthene	ND		19.0	7.26		ug/L		38	29 - 98	6	46
Benzo[g,h,i]perylene	ND		19.0	8.35		ug/L		44	20 - 115	6	44
Benzo[k]fluoranthene	ND		19.0	6.74		ug/L		35	28 - 107	0	31
1,1'-Biphenyl	ND		19.0	8.22		ug/L		43	30 - 150	1	35
Bis(2-chloroethoxy)methane	ND		19.0	10.5		ug/L		55	33 - 98	5	46
Bis(2-chloroethyl)ether	ND		19.0	11.4		ug/L		60	33 - 95	4	38
Bis(2-ethylhexyl) phthalate	ND		19.0	8.41		ug/L		44	20 - 116	8	40
4-Bromophenyl phenyl ether	ND		19.0	8.94		ug/L		47	37 - 104	10	40
Butyl benzyl phthalate	ND		19.0	6.31	F1	ug/L		33	36 - 108	10	40
Caprolactam	ND		19.0	21.8		ug/L		115	30 - 150	7	35
Carbazole	ND		19.0	10.4		ug/L		55	29 - 112	2	35
4-Chloroaniline	ND		19.0	5.06		ug/L		27	10 - 99	5	39
4-Chloro-3-methylphenol	ND		19.0	9.20		ug/L		48	35 - 104	5	42
2-Chloronaphthalene	ND		19.0	8.63		ug/L		45	34 - 96	5	39
2-Chlorophenol	ND		19.0	11.3		ug/L		59	31 - 99	3	39
4-Chlorophenyl phenyl ether	ND		19.0	8.88		ug/L		47	34 - 103	12	38
Chrysene	7.0		19.0	12.9	F1	ug/L		31	37 - 99	4	42
Dibenz(a,h)anthracene	ND		19.0	8.35		ug/L		44	19 - 118	2	44
Dibenzofuran	ND		19.0	8.22		ug/L		43	34 - 101	4	39
3,3'-Dichlorobenzidine	ND		19.0	6.40		ug/L		34	10 - 89	4	56
2,4-Dichlorophenol	ND		19.0	10.7		ug/L		56	34 - 104	4	41
Diethyl phthalate	ND		19.0	10.9		ug/L		57	36 - 109	9	39
2,4-Dimethylphenol	ND		19.0	5.76	F1	ug/L		30	33 - 97	3	40
Dimethyl phthalate	ND		19.0	13.5		ug/L		71	37 - 106	4	42
Di-n-butyl phthalate	ND		19.0	8.10		ug/L		43	37 - 111	9	38
4,6-Dinitro-2-methylphenol	ND		38.1	22.5		ug/L		59	24 - 124	3	41
2,4-Dinitrophenol	ND		38.1	20.3		ug/L		53	10 - 130	1	53
2,4-Dinitrotoluene	ND		19.0	13.0		ug/L		68	37 - 115	0	39
2,6-Dinitrotoluene	ND		19.0	12.5		ug/L		66	39 - 113	2	40
Di-n-octyl phthalate	ND		19.0	6.05		ug/L		32	11 - 127	0	44
1,4-Dioxane	ND		19.0	10.7		ug/L		56	23 - 88	5	20
Fluoranthene	1.2		19.0	8.74		ug/L		39	32 - 112	4	39
Fluorene	ND		19.0	8.68		ug/L		46	34 - 104	4	40
Hexachlorobenzene	ND		19.0	8.63		ug/L		45	35 - 102	2	35
Hexachlorobutadiene	ND		19.0	7.00		ug/L		37	35 - 100	5	41
Hexachlorocyclopentadiene	ND		19.0	0.256	J F1	ug/L		1	36 - 115	2	47
Hexachloroethane	ND		19.0	7.51		ug/L		39	32 - 94	4	39
Indeno[1,2,3-cd]pyrene	ND		19.0	8.11		ug/L		43	22 - 115	5	54
Isophorone	ND		19.0	12.8		ug/L		67	38 - 102	4	43
2-Methylnaphthalene	ND		19.0	6.72		ug/L		35	34 - 98	7	42
2-Methylphenol	ND		19.0	4.83	F1	ug/L		25	33 - 98	3	38
Methylphenol, 3 & 4	ND		19.0	7.56		ug/L		40	32 - 100	3	41
Naphthalene	ND		19.0	9.03		ug/L		47	35 - 97	14	43
2-Nitroaniline	ND		19.0	13.2		ug/L		69	29 - 112	4	65
3-Nitroaniline	ND		19.0	12.0		ug/L		63	11 - 104	11	48
4-Nitroaniline	ND		19.0	11.8		ug/L		62	20 - 124	7	45

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

Lab Sample ID: 180-35818-84 MSD **Client Sample ID: SSHS-B26-A-GW-18-22**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 115542 **Prep Batch: 115091**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrobenzene	ND		19.0	11.4		ug/L		60	37 - 100	2	42
2-Nitrophenol	ND		19.0	12.0		ug/L		63	34 - 107	4	41
4-Nitrophenol	ND		38.1	35.2		ug/L		92	29 - 115	12	42
N-Nitrosodi-n-propylamine	ND		19.0	12.3		ug/L		65	34 - 101	3	43
N-Nitrosodiphenylamine	ND		19.0	15.5		ug/L		81	32 - 102	19	36
2,2'-oxybis[1-chloropropane]	ND		19.0	10.6		ug/L		56	30 - 99	3	42
Pentachlorophenol	ND		38.1	21.5		ug/L		57	15 - 111	5	42
Phenanthrene	ND		19.0	7.84		ug/L		41	32 - 104	20	36
Phenol	ND		19.0	10.0		ug/L		53	32 - 95	3	39
Pyrene	3.5		19.0	8.65	F1	ug/L		27	35 - 106	5	42
1,2,4,5-Tetrachlorobenzene	ND		19.0	9.48		ug/L		50	30 - 125	4	25
2,3,4,6-Tetrachlorophenol	ND		19.0	11.8		ug/L		62	36 - 103	5	40
2,4,5-Trichlorophenol	ND		19.0	15.2		ug/L		80	34 - 104	8	39
2,4,6-Trichlorophenol	ND		19.0	14.7		ug/L		77	36 - 103	1	39

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*19 - 107*
2-Fluorophenol (Surr)	*82*		*10 - 111*
Nitrobenzene-d5 (Surr)	*90*		*23 - 112*
Phenol-d5 (Surr)	*80*		*15 - 112*
Terphenyl-d14 (Surr)	*43*		*10 - 132*
2,4,6-Tribromophenol (Surr)	*100*		*16 - 122*

Lab Sample ID: MB 180-115557/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 115899 **Prep Batch: 115557**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.029	ug/L		08/21/14 08:25	08/25/14 11:10	1
Acenaphthylene	ND		0.20	0.022	ug/L		08/21/14 08:25	08/25/14 11:10	1
Acetophenone	ND		2.0	0.11	ug/L		08/21/14 08:25	08/25/14 11:10	1
Anthracene	ND		0.20	0.019	ug/L		08/21/14 08:25	08/25/14 11:10	1
Atrazine	ND		2.0	0.22	ug/L		08/21/14 08:25	08/25/14 11:10	1
Benzaldehyde	ND		2.0	0.11	ug/L		08/21/14 08:25	08/25/14 11:10	1
Benzo[a]anthracene	ND		0.20	0.037	ug/L		08/21/14 08:25	08/25/14 11:10	1
Benzo[a]pyrene	ND		0.20	0.028	ug/L		08/21/14 08:25	08/25/14 11:10	1
Benzo[b]fluoranthene	ND		0.20	0.049	ug/L		08/21/14 08:25	08/25/14 11:10	1
Benzo[g,h,i]perylene	ND		0.20	0.029	ug/L		08/21/14 08:25	08/25/14 11:10	1
Benzo[k]fluoranthene	ND		0.20	0.030	ug/L		08/21/14 08:25	08/25/14 11:10	1
1,1'-Biphenyl	ND		1.0	0.11	ug/L		08/21/14 08:25	08/25/14 11:10	1
Bis(2-chloroethoxy)methane	ND		1.0	0.13	ug/L		08/21/14 08:25	08/25/14 11:10	1
Bis(2-chloroethyl)ether	ND		1.0	0.032	ug/L		08/21/14 08:25	08/25/14 11:10	1
Bis(2-ethylhexyl) phthalate	ND		2.0	0.44	ug/L		08/21/14 08:25	08/25/14 11:10	1
4-Bromophenyl phenyl ether	ND		1.0	0.12	ug/L		08/21/14 08:25	08/25/14 11:10	1
Butyl benzyl phthalate	ND		1.0	0.21	ug/L		08/21/14 08:25	08/25/14 11:10	1
Caprolactam	ND		5.0	1.5	ug/L		08/21/14 08:25	08/25/14 11:10	1
Carbazole	ND		1.0	0.027	ug/L		08/21/14 08:25	08/25/14 11:10	1
4-Chloroaniline	ND		1.0	0.29	ug/L		08/21/14 08:25	08/25/14 11:10	1

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

Lab Sample ID: MB 180-115557/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 115899 **Prep Batch: 115557**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	ND		1.0	0.17	ug/L		08/21/14 08:25	08/25/14 11:10	1
2-Chloronaphthalene	ND		0.20	0.031	ug/L		08/21/14 08:25	08/25/14 11:10	1
2-Chlorophenol	ND		1.0	0.23	ug/L		08/21/14 08:25	08/25/14 11:10	1
4-Chlorophenyl phenyl ether	ND		1.0	0.080	ug/L		08/21/14 08:25	08/25/14 11:10	1
Chrysene	ND		0.20	0.031	ug/L		08/21/14 08:25	08/25/14 11:10	1
Dibenz(a,h)anthracene	ND		0.20	0.027	ug/L		08/21/14 08:25	08/25/14 11:10	1
Dibenzofuran	ND		1.0	0.097	ug/L		08/21/14 08:25	08/25/14 11:10	1
3,3'-Dichlorobenzidine	ND		1.0	0.15	ug/L		08/21/14 08:25	08/25/14 11:10	1
2,4-Dichlorophenol	ND		1.0	0.067	ug/L		08/21/14 08:25	08/25/14 11:10	1
Diethyl phthalate	ND		1.0	0.30	ug/L		08/21/14 08:25	08/25/14 11:10	1
2,4-Dimethylphenol	ND		1.0	0.17	ug/L		08/21/14 08:25	08/25/14 11:10	1
Dimethyl phthalate	ND		1.0	0.18	ug/L		08/21/14 08:25	08/25/14 11:10	1
Di-n-butyl phthalate	ND		1.0	0.24	ug/L		08/21/14 08:25	08/25/14 11:10	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.6	ug/L		08/21/14 08:25	08/25/14 11:10	1
2,4-Dinitrophenol	ND		5.0	2.5	ug/L		08/21/14 08:25	08/25/14 11:10	1
2,4-Dinitrotoluene	ND		1.0	0.21	ug/L		08/21/14 08:25	08/25/14 11:10	1
2,6-Dinitrotoluene	ND		1.0	0.14	ug/L		08/21/14 08:25	08/25/14 11:10	1
Di-n-octyl phthalate	ND		1.0	0.20	ug/L		08/21/14 08:25	08/25/14 11:10	1
1,4-Dioxane	ND		2.0	0.052	ug/L		08/21/14 08:25	08/25/14 11:10	1
Fluoranthene	ND		0.20	0.021	ug/L		08/21/14 08:25	08/25/14 11:10	1
Fluorene	ND		0.20	0.024	ug/L		08/21/14 08:25	08/25/14 11:10	1
Hexachlorobenzene	ND		1.0	0.061	ug/L		08/21/14 08:25	08/25/14 11:10	1
Hexachlorobutadiene	ND		1.0	0.094	ug/L		08/21/14 08:25	08/25/14 11:10	1
Hexachlorocyclopentadiene	ND		1.0	0.14	ug/L		08/21/14 08:25	08/25/14 11:10	1
Hexachloroethane	ND		1.0	0.14	ug/L		08/21/14 08:25	08/25/14 11:10	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		08/21/14 08:25	08/25/14 11:10	1
Isophorone	ND		1.0	0.074	ug/L		08/21/14 08:25	08/25/14 11:10	1
2-Methylnaphthalene	ND		0.20	0.019	ug/L		08/21/14 08:25	08/25/14 11:10	1
2-Methylphenol	ND		1.0	0.19	ug/L		08/21/14 08:25	08/25/14 11:10	1
Methylphenol, 3 & 4	ND		1.0	0.21	ug/L		08/21/14 08:25	08/25/14 11:10	1
Naphthalene	ND		0.20	0.023	ug/L		08/21/14 08:25	08/25/14 11:10	1
2-Nitroaniline	ND		5.0	0.67	ug/L		08/21/14 08:25	08/25/14 11:10	1
3-Nitroaniline	ND		5.0	0.81	ug/L		08/21/14 08:25	08/25/14 11:10	1
4-Nitroaniline	ND		5.0	0.77	ug/L		08/21/14 08:25	08/25/14 11:10	1
Nitrobenzene	ND		2.0	0.15	ug/L		08/21/14 08:25	08/25/14 11:10	1
2-Nitrophenol	ND		1.0	0.11	ug/L		08/21/14 08:25	08/25/14 11:10	1
4-Nitrophenol	ND		5.0	0.80	ug/L		08/21/14 08:25	08/25/14 11:10	1
N-Nitrosodi-n-propylamine	ND		1.0	0.050	ug/L		08/21/14 08:25	08/25/14 11:10	1
N-Nitrosodiphenylamine	ND		1.0	0.12	ug/L		08/21/14 08:25	08/25/14 11:10	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.024	ug/L		08/21/14 08:25	08/25/14 11:10	1
Pentachlorophenol	ND		1.0	0.50	ug/L		08/21/14 08:25	08/25/14 11:10	1
Phenanthrene	ND		0.20	0.042	ug/L		08/21/14 08:25	08/25/14 11:10	1
Phenol	ND		1.0	0.055	ug/L		08/21/14 08:25	08/25/14 11:10	1
Pyrene	ND		0.20	0.023	ug/L		08/21/14 08:25	08/25/14 11:10	1
1,2,4,5-Tetrachlorobenzene	ND		1.0	0.076	ug/L		08/21/14 08:25	08/25/14 11:10	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.11	ug/L		08/21/14 08:25	08/25/14 11:10	1
2,4,5-Trichlorophenol	ND		1.0	0.12	ug/L		08/21/14 08:25	08/25/14 11:10	1
2,4,6-Trichlorophenol	ND		1.0	0.30	ug/L		08/21/14 08:25	08/25/14 11:10	1

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

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

Lab Sample ID: MB 180-115557/1-A
Matrix: Water
Analysis Batch: 115899

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115557

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*08/21/14 08:25*	*08/25/14 11:10*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*30 - 150*	*08/21/14 08:25*	*08/25/14 11:10*	*1*
2-Fluorophenol (Surr)	*91*		*30 - 150*	*08/21/14 08:25*	*08/25/14 11:10*	*1*
Nitrobenzene-d5 (Surr)	*84*		*30 - 150*	*08/21/14 08:25*	*08/25/14 11:10*	*1*
Phenol-d5 (Surr)	*81*		*30 - 150*	*08/21/14 08:25*	*08/25/14 11:10*	*1*
Terphenyl-d14 (Surr)	*86*		*10 - 150*	*08/21/14 08:25*	*08/25/14 11:10*	*1*
2,4,6-Tribromophenol (Surr)	*87*		*30 - 150*	*08/21/14 08:25*	*08/25/14 11:10*	*1*

Lab Sample ID: LCS 180-115557/2-A
Matrix: Water
Analysis Batch: 115899

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115557

Analyte	**Spike Added**	**LCS Result**	**LCS Qualifier**	**Unit**	**D**	**%Rec**	**%Rec. Limits**
Acenaphthene	20.0	15.9		ug/L		79	30 - 150
Acenaphthylene	20.0	15.9		ug/L		80	30 - 150
Acetophenone	20.0	13.6		ug/L		68	30 - 150
Anthracene	20.0	16.5		ug/L		83	30 - 150
Atrazine	20.0	16.8		ug/L		84	30 - 150
Benzaldehyde	20.0	26.8		ug/L		134	30 - 150
Benzo[a]anthracene	20.0	15.0		ug/L		75	30 - 150
Benzo[a]pyrene	20.0	16.2		ug/L		81	30 - 150
Benzo[b]fluoranthene	20.0	16.1		ug/L		80	30 - 150
Benzo[g,h,i]perylene	20.0	14.7		ug/L		74	30 - 150
Benzo[k]fluoranthene	20.0	15.5		ug/L		78	30 - 150
1,1'-Biphenyl	20.0	16.2		ug/L		81	30 - 150
Bis(2-chloroethoxy)methane	20.0	14.6		ug/L		73	30 - 150
Bis(2-chloroethyl)ether	20.0	14.4		ug/L		72	30 - 150
Bis(2-ethylhexyl) phthalate	20.0	17.9		ug/L		89	30 - 150
4-Bromophenyl phenyl ether	20.0	18.7		ug/L		93	30 - 150
Butyl benzyl phthalate	20.0	18.2		ug/L		91	30 - 150
Caprolactam	20.0	14.9		ug/L		75	30 - 150
Carbazole	20.0	15.4		ug/L		77	30 - 150
4-Chloroaniline	20.0	14.4		ug/L		72	10 - 150
4-Chloro-3-methylphenol	20.0	15.5		ug/L		77	30 - 150
2-Chloronaphthalene	20.0	14.8		ug/L		74	30 - 150
2-Chlorophenol	20.0	14.8		ug/L		74	30 - 150
4-Chlorophenyl phenyl ether	20.0	15.3		ug/L		77	30 - 150
Chrysene	20.0	14.9		ug/L		75	30 - 150
Dibenz(a,h)anthracene	20.0	15.3		ug/L		77	30 - 150
Dibenzofuran	20.0	15.2		ug/L		76	30 - 150
3,3'-Dichlorobenzidine	20.0	18.7		ug/L		94	10 - 150
2,4-Dichlorophenol	20.0	15.5		ug/L		77	30 - 150
Diethyl phthalate	20.0	17.3		ug/L		87	30 - 150
2,4-Dimethylphenol	20.0	16.3		ug/L		81	30 - 150
Dimethyl phthalate	20.0	16.5		ug/L		82	30 - 150

QC Sample Results

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

Lab Sample ID: LCS 180-115557/2-A
Matrix: Water
Analysis Batch: 115899

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115557

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Di-n-butyl phthalate	20.0	17.4		ug/L		87	30 - 150
4,6-Dinitro-2-methylphenol	40.0	37.5		ug/L		94	30 - 150
2,4-Dinitrophenol	40.0	33.8		ug/L		85	10 - 150
2,4-Dinitrotoluene	20.0	17.7		ug/L		89	30 - 150
2,6-Dinitrotoluene	20.0	16.6		ug/L		83	30 - 150
Di-n-octyl phthalate	20.0	14.6		ug/L		73	10 - 150
1,4-Dioxane	20.0	15.8		ug/L		79	30 - 150
Fluoranthene	20.0	16.8		ug/L		84	30 - 150
Fluorene	20.0	16.1		ug/L		81	30 - 150
Hexachlorobenzene	20.0	18.2		ug/L		91	30 - 150
Hexachlorobutadiene	20.0	15.3		ug/L		76	30 - 150
Hexachlorocyclopentadiene	20.0	19.1		ug/L		95	30 - 150
Hexachloroethane	20.0	13.3		ug/L		66	30 - 150
Indeno[1,2,3-cd]pyrene	20.0	15.3		ug/L		77	30 - 150
Isophorone	20.0	16.3		ug/L		82	30 - 150
2-Methylnaphthalene	20.0	14.1		ug/L		71	30 - 150
2-Methylphenol	20.0	15.6		ug/L		78	30 - 150
Methylphenol, 3 & 4	20.0	15.6		ug/L		78	30 - 150
Naphthalene	20.0	14.6		ug/L		73	30 - 150
2-Nitroaniline	20.0	18.4		ug/L		92	30 - 150
3-Nitroaniline	20.0	15.7		ug/L		79	10 - 150
4-Nitroaniline	20.0	16.8		ug/L		84	30 - 150
Nitrobenzene	20.0	16.3		ug/L		81	30 - 150
2-Nitrophenol	20.0	17.0		ug/L		85	30 - 150
4-Nitrophenol	40.0	38.8		ug/L		97	30 - 150
N-Nitrosodi-n-propylamine	20.0	14.7		ug/L		74	30 - 150
N-Nitrosodiphenylamine	20.0	17.6		ug/L		88	30 - 150
2,2'-oxybis[1-chloropropane]	20.0	14.0		ug/L		70	30 - 150
Pentachlorophenol	40.0	39.3		ug/L		98	10 - 150
Phenanthrene	20.0	15.7		ug/L		79	30 - 150
Phenol	20.0	15.4		ug/L		77	30 - 150
Pyrene	20.0	16.6		ug/L		83	30 - 150
1,2,4,5-Tetrachlorobenzene	20.0	17.0		ug/L		85	30 - 150
2,3,4,6-Tetrachlorophenol	20.0	17.1		ug/L		85	30 - 150
2,4,5-Trichlorophenol	20.0	17.4		ug/L		87	30 - 150
2,4,6-Trichlorophenol	20.0	17.8		ug/L		89	30 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*30 - 150*
2-Fluorophenol (Surr)	*85*		*30 - 150*
Nitrobenzene-d5 (Surr)	*81*		*30 - 150*
Phenol-d5 (Surr)	*77*		*30 - 150*
Terphenyl-d14 (Surr)	*86*		*10 - 150*
2,4,6-Tribromophenol (Surr)	*101*		*30 - 150*

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

Lab Sample ID: LCSD 180-115557/3-A
Matrix: Water
Analysis Batch: 115899

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115557

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthene	19.2	15.2		ug/L		79	30 - 150	4	35
Acenaphthylene	19.2	14.9		ug/L		77	30 - 150	7	35
Acetophenone	19.2	12.5		ug/L		65	30 - 150	8	35
Anthracene	19.2	15.4		ug/L		80	30 - 150	7	35
Atrazine	19.2	15.9		ug/L		83	30 - 150	6	35
Benzaldehyde	19.2	23.5		ug/L		122	30 - 150	13	35
Benzo[a]anthracene	19.2	14.3		ug/L		74	30 - 150	5	35
Benzo[a]pyrene	19.2	15.5		ug/L		80	30 - 150	5	35
Benzo[b]fluoranthene	19.2	15.0		ug/L		78	30 - 150	7	35
Benzo[g,h,i]perylene	19.2	14.2		ug/L		74	30 - 150	3	35
Benzo[k]fluoranthene	19.2	15.5		ug/L		81	30 - 150	0	35
1,1'-Biphenyl	19.2	15.3		ug/L		79	30 - 150	6	35
Bis(2-chloroethoxy)methane	19.2	13.8		ug/L		72	30 - 150	6	35
Bis(2-chloroethyl)ether	19.2	13.2		ug/L		68	30 - 150	9	35
Bis(2-ethylhexyl) phthalate	19.2	17.2		ug/L		90	30 - 150	4	35
4-Bromophenyl phenyl ether	19.2	17.6		ug/L		92	30 - 150	6	35
Butyl benzyl phthalate	19.2	17.3		ug/L		90	30 - 150	5	35
Caprolactam	19.2	14.1		ug/L		73	30 - 150	6	35
Carbazole	19.2	14.5		ug/L		75	30 - 150	6	35
4-Chloroaniline	19.2	13.5		ug/L		70	10 - 150	7	35
4-Chloro-3-methylphenol	19.2	14.7		ug/L		77	30 - 150	5	35
2-Chloronaphthalene	19.2	13.9		ug/L		72	30 - 150	6	35
2-Chlorophenol	19.2	13.8		ug/L		72	30 - 150	7	35
4-Chlorophenyl phenyl ether	19.2	14.8		ug/L		77	30 - 150	3	35
Chrysene	19.2	14.3		ug/L		74	30 - 150	4	35
Dibenz(a,h)anthracene	19.2	14.7		ug/L		76	30 - 150	4	35
Dibenzofuran	19.2	14.2		ug/L		74	30 - 150	7	35
3,3'-Dichlorobenzidine	19.2	17.8		ug/L		92	10 - 150	5	35
2,4-Dichlorophenol	19.2	14.9		ug/L		78	30 - 150	3	35
Diethyl phthalate	19.2	16.7		ug/L		87	30 - 150	4	35
2,4-Dimethylphenol	19.2	15.4		ug/L		80	30 - 150	6	35
Dimethyl phthalate	19.2	15.5		ug/L		80	30 - 150	6	35
Di-n-butyl phthalate	19.2	16.3		ug/L		85	30 - 150	6	35
4,6-Dinitro-2-methylphenol	38.5	34.8		ug/L		90	30 - 150	8	35
2,4-Dinitrophenol	38.5	32.5		ug/L		84	10 - 150	4	35
2,4-Dinitrotoluene	19.2	16.9		ug/L		88	30 - 150	5	35
2,6-Dinitrotoluene	19.2	15.8		ug/L		82	30 - 150	5	35
Di-n-octyl phthalate	19.2	14.1		ug/L		73	10 - 150	4	35
1,4-Dioxane	19.2	14.9		ug/L		78	30 - 150	6	35
Fluoranthene	19.2	15.7		ug/L		81	30 - 150	7	35
Fluorene	19.2	15.3		ug/L		80	30 - 150	5	35
Hexachlorobenzene	19.2	17.1		ug/L		89	30 - 150	6	35
Hexachlorobutadiene	19.2	14.8		ug/L		77	30 - 150	3	35
Hexachlorocyclopentadiene	19.2	18.2		ug/L		94	30 - 150	5	35
Hexachloroethane	19.2	12.2		ug/L		64	30 - 150	8	35
Indeno[1,2,3-cd]pyrene	19.2	14.6		ug/L		76	30 - 150	5	35
Isophorone	19.2	15.5		ug/L		81	30 - 150	5	35
2-Methylnaphthalene	19.2	13.3		ug/L		69	30 - 150	6	35

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

Lab Sample ID: LCSD 180-115557/3-A
Matrix: Water
Analysis Batch: 115899

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115557

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylphenol	19.2	14.3		ug/L		74	30 - 150	9	35
Methylphenol, 3 & 4	19.2	14.3		ug/L		74	30 - 150	9	35
Naphthalene	19.2	14.0		ug/L		73	30 - 150	4	35
2-Nitroaniline	19.2	17.3		ug/L		90	30 - 150	6	35
3-Nitroaniline	19.2	14.8		ug/L		77	10 - 150	6	35
4-Nitroaniline	19.2	15.8		ug/L		82	30 - 150	6	35
Nitrobenzene	19.2	15.4		ug/L		80	30 - 150	5	35
2-Nitrophenol	19.2	16.3		ug/L		85	30 - 150	4	35
4-Nitrophenol	38.5	36.2		ug/L		94	30 - 150	7	35
N-Nitrosodi-n-propylamine	19.2	13.6		ug/L		71	30 - 150	8	35
N-Nitrosodiphenylamine	19.2	16.6		ug/L		86	30 - 150	6	35
2,2'-oxybis[1-chloropropane]	19.2	12.7		ug/L		66	30 - 150	10	35
Pentachlorophenol	38.5	37.4		ug/L		97	10 - 150	5	35
Phenanthrene	19.2	14.7		ug/L		76	30 - 150	7	35
Phenol	19.2	14.1		ug/L		73	30 - 150	9	35
Pyrene	19.2	16.1		ug/L		84	30 - 150	3	35
1,2,4,5-Tetrachlorobenzene	19.2	16.1		ug/L		84	30 - 150	6	35
2,3,4,6-Tetrachlorophenol	19.2	16.3		ug/L		85	30 - 150	5	35
2,4,5-Trichlorophenol	19.2	16.3		ug/L		85	30 - 150	6	35
2,4,6-Trichlorophenol	19.2	16.8		ug/L		87	30 - 150	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*79*		*30 - 150*
2-Fluorophenol (Surr)	*81*		*30 - 150*
Nitrobenzene-d5 (Surr)	*81*		*30 - 150*
Phenol-d5 (Surr)	*75*		*30 - 150*
Terphenyl-d14 (Surr)	*87*		*10 - 150*
2,4,6-Tribromophenol (Surr)	*98*		*30 - 150*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 240-143606/5
Matrix: Water
Analysis Batch: 143606

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100	25	ug/L			08/20/14 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*86*		*40 - 133*		*08/20/14 11:36*	*1*

Lab Sample ID: LCS 240-143606/6
Matrix: Water
Analysis Batch: 143606

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics [C6 - C10]	800	813		ug/L		102	67 - 132

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 240-143606/6 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 143606

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*108*		*40 - 133*

Lab Sample ID: 180-35818-84 MS **Client Sample ID: SSHS-B26-A-GW-18-22**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 143606

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics [C6 - C10]	440		800	1430	F1	ug/L		123	63 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*112*		*40 - 133*

Lab Sample ID: 180-35818-84 MSD **Client Sample ID: SSHS-B26-A-GW-18-22**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 143606

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	440		800	1260	F2	ug/L		102	63 - 120	13	11

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Trifluorotoluene (Surr)	*110*		*40 - 133*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 240-143586/7-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 143747 **Prep Batch: 143586**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		500	110	ug/L		08/20/14 07:51	08/21/14 12:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*40 - 160*	*08/20/14 07:51*	*08/21/14 12:34*	*1*

Lab Sample ID: LCS 240-143586/8-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 143747 **Prep Batch: 143586**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10 - C28]	2500	2050		ug/L		82	40 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*80*		*40 - 160*

QC Sample Results

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 180-35818-84 MS
Matrix: Water
Analysis Batch: 143747

Client Sample ID: SSHS-B26-A-GW-18-22
Prep Type: Total/NA
Prep Batch: 143586

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10 - C28]	220000		2400	109000	4	ug/L		-4770	27 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*80*		*40 - 160*

Lab Sample ID: 180-35818-84 MSD
Matrix: Water
Analysis Batch: 143747

Client Sample ID: SSHS-B26-A-GW-18-22
Prep Type: Total/NA
Prep Batch: 143586

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10 - C28]	220000		2400	38800	J 4 F2	ug/L		-7676	27 - 120	95	31

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*80*		*40 - 160*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-116128/1-A
Matrix: Solid
Analysis Batch: 116355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.30	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
alpha-BHC	ND		1.7	0.27	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
alpha-Chlordane	ND		1.7	0.33	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
beta-BHC	ND		1.7	0.43	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
4,4'-DDD	ND		1.7	0.22	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
delta-BHC	ND		1.7	0.26	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Dieldrin	ND		1.7	0.28	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Endosulfan I	ND		1.7	0.31	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Endosulfan II	ND		1.7	0.29	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Endosulfan sulfate	ND		1.7	0.17	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Endrin	ND		1.7	0.32	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Endrin aldehyde	ND		1.7	0.32	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Endrin ketone	ND		1.7	0.26	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
gamma-BHC (Lindane)	ND		1.7	0.29	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
gamma-Chlordane	ND		1.7	0.33	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Heptachlor	ND		1.7	0.37	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Heptachlor epoxide	ND		1.7	0.32	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Methoxychlor	ND		3.3	0.35	ug/Kg		08/26/14 22:14	08/28/14 16:23	1
Toxaphene	ND		67	11	ug/Kg		08/26/14 22:14	08/28/14 16:23	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 180-116128/1-A
Matrix: Solid
Analysis Batch: 116355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116128

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*08/26/14 22:14*	*08/28/14 16:23*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/26/14 22:14*	*08/28/14 16:23*	*1*
Tetrachloro-m-xylene	*100*		*45 - 130*	*08/26/14 22:14*	*08/28/14 16:23*	*1*
Tetrachloro-m-xylene	*95*		*45 - 130*	*08/26/14 22:14*	*08/28/14 16:23*	*1*

Lab Sample ID: LCS 180-116128/2-A
Matrix: Solid
Analysis Batch: 116355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	33.3	34.2		ug/Kg		103	70 - 123
alpha-BHC	33.3	32.4		ug/Kg		97	59 - 127
alpha-Chlordane	33.3	32.6		ug/Kg		98	71 - 130
beta-BHC	33.3	33.1		ug/Kg		99	70 - 138
4,4'-DDD	33.3	33.7		ug/Kg		101	65 - 135
4,4'-DDE	33.3	32.6		ug/Kg		98	70 - 133
4,4'-DDT	33.3	30.4		ug/Kg		91	10 - 140
delta-BHC	33.3	32.5		ug/Kg		97	40 - 124
Dieldrin	33.3	33.7		ug/Kg		101	70 - 123
Endosulfan I	33.3	33.9		ug/Kg		102	62 - 126
Endosulfan II	33.3	33.6		ug/Kg		101	65 - 128
Endosulfan sulfate	33.3	32.9		ug/Kg		99	55 - 140
Endrin	33.3	34.3		ug/Kg		103	70 - 127
Endrin aldehyde	33.3	33.8		ug/Kg		101	65 - 122
Endrin ketone	33.3	32.1		ug/Kg		96	59 - 132
gamma-BHC (Lindane)	33.3	34.1		ug/Kg		102	66 - 124
gamma-Chlordane	33.3	33.6		ug/Kg		101	68 - 123
Heptachlor	33.3	34.5		ug/Kg		103	70 - 128
Heptachlor epoxide	33.3	33.4		ug/Kg		100	69 - 131
Methoxychlor	33.3	28.5		ug/Kg		86	10 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*
Tetrachloro-m-xylene	*105*		*45 - 130*
Tetrachloro-m-xylene	*100*		*45 - 130*

Lab Sample ID: 180-35818-43MS
Matrix: Solid
Analysis Batch: 116355

Client Sample ID: SSHS-B75-2-6 (3)
Prep Type: Total/NA
Prep Batch: 116128

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		37.7	29.1		ug/Kg	☼	77	70 - 123
alpha-BHC	ND		37.7	28.7		ug/Kg	☼	76	59 - 127
alpha-Chlordane	ND		37.7	28.3		ug/Kg	☼	75	71 - 130
beta-BHC	ND		37.7	29.0		ug/Kg	☼	77	70 - 138
4,4'-DDD	0.29	J p	37.7	28.9		ug/Kg	☼	76	65 - 135
4,4'-DDE	ND		37.7	29.4		ug/Kg	☼	78	70 - 133

QC Sample Results

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35818-43MS
Matrix: Solid
Analysis Batch: 116355

Client Sample ID: SSHS-B75-2-6 (3)
Prep Type: Total/NA
Prep Batch: 116128

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDT	ND		37.7	29.3		ug/Kg	☼	78	10 - 140
delta-BHC	0.48	J p	37.7	29.4		ug/Kg	☼	77	40 - 124
Dieldrin	ND		37.7	28.6		ug/Kg	☼	76	70 - 123
Endosulfan I	ND		37.7	28.2		ug/Kg	☼	75	62 - 126
Endosulfan II	ND		37.7	27.2		ug/Kg	☼	72	65 - 128
Endosulfan sulfate	0.42	J	37.7	28.4		ug/Kg	☼	74	55 - 140
Endrin	0.85	J p	37.7	30.5		ug/Kg	☼	79	70 - 127
Endrin aldehyde	ND		37.7	26.6		ug/Kg	☼	70	65 - 122
Endrin ketone	ND		37.7	28.6		ug/Kg	☼	76	59 - 132
gamma-BHC (Lindane)	ND		37.7	30.3		ug/Kg	☼	80	66 - 124
gamma-Chlordane	0.59	J p	37.7	29.9		ug/Kg	☼	78	68 - 123
Heptachlor	ND		37.7	29.5		ug/Kg	☼	78	70 - 128
Heptachlor epoxide	1.2	J p	37.7	29.8		ug/Kg	☼	76	69 - 131
Methoxychlor	ND		37.7	29.1		ug/Kg	☼	77	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 130*
Tetrachloro-m-xylene	*80*		*45 - 130*
Tetrachloro-m-xylene	*74*		*45 - 130*

Lab Sample ID: 180-35818-43MSD
Matrix: Solid
Analysis Batch: 116355

Client Sample ID: SSHS-B75-2-6 (3)
Prep Type: Total/NA
Prep Batch: 116128

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		37.7	29.8		ug/Kg	☼	79	70 - 123	2	20
alpha-BHC	ND		37.7	28.3		ug/Kg	☼	75	59 - 127	2	20
alpha-Chlordane	ND		37.7	28.7		ug/Kg	☼	76	71 - 130	1	20
beta-BHC	ND		37.7	30.1		ug/Kg	☼	80	70 - 138	4	20
4,4'-DDD	0.29	J p	37.7	30.5		ug/Kg	☼	80	65 - 135	6	20
4,4'-DDE	ND		37.7	30.4		ug/Kg	☼	81	70 - 133	3	20
4,4'-DDT	ND		37.7	30.3		ug/Kg	☼	80	10 - 140	3	37
delta-BHC	0.48	J p	37.7	29.0		ug/Kg	☼	76	40 - 124	2	20
Dieldrin	ND		37.7	29.8		ug/Kg	☼	79	70 - 123	4	20
Endosulfan I	ND		37.7	30.1		ug/Kg	☼	80	62 - 126	6	23
Endosulfan II	ND		37.7	28.2		ug/Kg	☼	75	65 - 128	3	33
Endosulfan sulfate	0.42	J	37.7	28.8		ug/Kg	☼	75	55 - 140	1	26
Endrin	0.85	J p	37.7	31.0		ug/Kg	☼	80	70 - 127	2	20
Endrin aldehyde	ND		37.7	27.5		ug/Kg	☼	73	65 - 122	3	20
Endrin ketone	ND		37.7	29.2		ug/Kg	☼	77	59 - 132	2	20
gamma-BHC (Lindane)	ND		37.7	31.6		ug/Kg	☼	84	66 - 124	4	20
gamma-Chlordane	0.59	J p	37.7	30.6		ug/Kg	☼	80	68 - 123	2	24
Heptachlor	ND		37.7	31.1		ug/Kg	☼	83	70 - 128	6	20
Heptachlor epoxide	1.2	J p	37.7	30.4		ug/Kg	☼	77	69 - 131	2	20
Methoxychlor	ND		37.7	30.9		ug/Kg	☼	82	10 - 150	6	26

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35818-43MSD
Matrix: Solid
Analysis Batch: 116355

Client Sample ID: SSHS-B75-2-6 (3)
Prep Type: Total/NA
Prep Batch: 116128

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 130*
Tetrachloro-m-xylene	*80*		*45 - 130*
Tetrachloro-m-xylene	*75*		*45 - 130*

Lab Sample ID: MB 180-116262/1-A
Matrix: Solid
Analysis Batch: 116355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.30	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
alpha-BHC	ND		1.7	0.27	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
alpha-Chlordane	ND		1.7	0.33	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
beta-BHC	ND		1.7	0.43	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
4,4'-DDD	ND		1.7	0.22	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
delta-BHC	ND		1.7	0.26	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
Dieldrin	ND		1.7	0.28	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
Endosulfan I	ND		1.7	0.31	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
Endosulfan II	ND		1.7	0.29	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
Endosulfan sulfate	ND		1.7	0.17	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
Endrin	ND		1.7	0.32	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
Endrin aldehyde	ND		1.7	0.32	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
Endrin ketone	ND		1.7	0.26	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
gamma-BHC (Lindane)	ND		1.7	0.29	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
gamma-Chlordane	ND		1.7	0.33	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
Heptachlor	ND		1.7	0.37	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
Heptachlor epoxide	ND		1.7	0.32	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
Methoxychlor	ND		3.3	0.35	ug/Kg		08/27/14 16:04	08/29/14 03:46	1
Toxaphene	ND		67	11	ug/Kg		08/27/14 16:04	08/29/14 03:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*93*		*45 - 130*	*08/27/14 16:04*	*08/29/14 03:46*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/27/14 16:04*	*08/29/14 03:46*	*1*
Tetrachloro-m-xylene	*93*		*45 - 130*	*08/27/14 16:04*	*08/29/14 03:46*	*1*
Tetrachloro-m-xylene	*91*		*45 - 130*	*08/27/14 16:04*	*08/29/14 03:46*	*1*

Lab Sample ID: LCS 180-116262/2-A
Matrix: Solid
Analysis Batch: 116355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116262

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	33.3	32.9		ug/Kg		99	70 - 123
alpha-BHC	33.3	31.2		ug/Kg		94	59 - 127
alpha-Chlordane	33.3	32.8		ug/Kg		98	71 - 130
beta-BHC	33.3	31.2		ug/Kg		93	70 - 138
4,4'-DDD	33.3	32.8		ug/Kg		98	65 - 135

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-116262/2-A
Matrix: Solid
Analysis Batch: 116355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116262

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDE	33.3	32.0		ug/Kg		96	70 - 133
4,4'-DDT	33.3	31.4		ug/Kg		94	10 - 140
delta-BHC	33.3	30.7		ug/Kg		92	40 - 124
Dieldrin	33.3	33.1		ug/Kg		99	70 - 123
Endosulfan I	33.3	33.1		ug/Kg		99	62 - 126
Endosulfan II	33.3	32.9		ug/Kg		99	65 - 128
Endosulfan sulfate	33.3	33.0		ug/Kg		99	55 - 140
Endrin	33.3	33.0		ug/Kg		99	70 - 127
Endrin aldehyde	33.3	34.1		ug/Kg		102	65 - 122
Endrin ketone	33.3	31.7		ug/Kg		95	59 - 132
gamma-BHC (Lindane)	33.3	32.6		ug/Kg		98	66 - 124
gamma-Chlordane	33.3	33.1		ug/Kg		99	68 - 123
Heptachlor	33.3	32.1		ug/Kg		96	70 - 128
Heptachlor epoxide	33.3	32.6		ug/Kg		98	69 - 131
Methoxychlor	33.3	30.6		ug/Kg		92	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*
Tetrachloro-m-xylene	*92*		*45 - 130*
Tetrachloro-m-xylene	*88*		*45 - 130*

Lab Sample ID: 180-35818-69 MS
Matrix: Solid
Analysis Batch: 116355

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116262

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		36.2	29.1		ug/Kg	☼	81	70 - 123
alpha-BHC	ND		36.2	30.3		ug/Kg	☼	84	59 - 127
alpha-Chlordane	ND		36.2	26.7		ug/Kg	☼	74	71 - 130
beta-BHC	ND		36.2	29.0		ug/Kg	☼	80	70 - 138
4,4'-DDD	ND		36.2	28.9		ug/Kg	☼	80	65 - 135
4,4'-DDE	ND		36.2	28.1		ug/Kg	☼	78	70 - 133
4,4'-DDT	ND		36.2	26.4		ug/Kg	☼	73	10 - 140
delta-BHC	ND		36.2	28.9		ug/Kg	☼	80	40 - 124
Dieldrin	ND		36.2	28.5		ug/Kg	☼	79	70 - 123
Endosulfan I	ND		36.2	28.2		ug/Kg	☼	78	62 - 126
Endosulfan II	ND		36.2	27.2		ug/Kg	☼	75	65 - 128
Endosulfan sulfate	ND		36.2	27.3		ug/Kg	☼	75	55 - 140
Endrin	ND		36.2	28.6		ug/Kg	☼	79	70 - 127
Endrin aldehyde	ND		36.2	20.1	F1	ug/Kg	☼	55	65 - 122
Endrin ketone	ND		36.2	27.5		ug/Kg	☼	76	59 - 132
gamma-BHC (Lindane)	ND		36.2	30.1		ug/Kg	☼	83	66 - 124
gamma-Chlordane	ND		36.2	28.0		ug/Kg	☼	77	68 - 123
Heptachlor	ND		36.2	30.2		ug/Kg	☼	83	70 - 128
Heptachlor epoxide	ND		36.2	28.5		ug/Kg	☼	79	69 - 131
Methoxychlor	ND		36.2	27.4		ug/Kg	☼	76	10 - 150

QC Sample Results

Client: Geosyntec Consultants, Inc.

TestAmerica Job ID: 180-35818-2

Project/Site: Former Sperry Remington Site - North

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35818-69 MS
Matrix: Solid
Analysis Batch: 116355

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116262

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*69*		*45 - 130*
Tetrachloro-m-xylene	*88*		*45 - 130*
Tetrachloro-m-xylene	*82*		*45 - 130*

Lab Sample ID: 180-35818-69 MSD
Matrix: Solid
Analysis Batch: 116355

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116262

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		36.2	26.8		ug/Kg	☼	74	70 - 123	8	20
alpha-BHC	ND		36.2	26.3		ug/Kg	☼	73	59 - 127	14	20
alpha-Chlordane	ND		36.2	24.6	F1	ug/Kg	☼	68	71 - 130	8	20
beta-BHC	ND		36.2	25.5		ug/Kg	☼	71	70 - 138	13	20
4,4'-DDD	ND		36.2	27.5		ug/Kg	☼	76	65 - 135	5	20
4,4'-DDE	ND		36.2	25.8		ug/Kg	☼	71	70 - 133	9	20
4,4'-DDT	ND		36.2	22.9		ug/Kg	☼	63	10 - 140	14	37
delta-BHC	ND		36.2	24.4		ug/Kg	☼	67	40 - 124	17	20
Dieldrin	ND		36.2	26.1		ug/Kg	☼	72	70 - 123	9	20
Endosulfan I	ND		36.2	25.4		ug/Kg	☼	70	62 - 126	10	23
Endosulfan II	ND		36.2	23.9		ug/Kg	☼	66	65 - 128	13	33
Endosulfan sulfate	ND		36.2	23.2		ug/Kg	☼	64	55 - 140	16	26
Endrin	ND		36.2	25.9		ug/Kg	☼	72	70 - 127	10	20
Endrin aldehyde	ND		36.2	16.3	F1 F2	ug/Kg	☼	45	65 - 122	21	20
Endrin ketone	ND		36.2	24.9		ug/Kg	☼	69	59 - 132	10	20
gamma-BHC (Lindane)	ND		36.2	26.9		ug/Kg	☼	74	66 - 124	11	20
gamma-Chlordane	ND		36.2	25.5		ug/Kg	☼	70	68 - 123	9	24
Heptachlor	ND		36.2	26.7		ug/Kg	☼	74	70 - 128	12	20
Heptachlor epoxide	ND		36.2	26.3		ug/Kg	☼	73	69 - 131	8	20
Methoxychlor	ND		36.2	23.3		ug/Kg	☼	65	10 - 150	16	26

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*66*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*63*		*45 - 130*
Tetrachloro-m-xylene	*75*		*45 - 130*
Tetrachloro-m-xylene	*72*		*45 - 130*

Lab Sample ID: MB 180-116270/1-A
Matrix: Solid
Analysis Batch: 116496

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116270

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.30	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
alpha-BHC	ND		1.7	0.27	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
alpha-Chlordane	ND		1.7	0.33	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
beta-BHC	ND		1.7	0.43	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
4,4'-DDD	ND		1.7	0.22	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		08/27/14 18:10	08/29/14 14:49	1

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 180-116270/1-A
Matrix: Solid
Analysis Batch: 116496

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116270

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	ND		1.7	0.25	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
delta-BHC	ND		1.7	0.26	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
Dieldrin	ND		1.7	0.28	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
Endosulfan I	ND		1.7	0.31	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
Endosulfan II	ND		1.7	0.29	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
Endosulfan sulfate	ND		1.7	0.17	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
Endrin	ND		1.7	0.32	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
Endrin aldehyde	ND		1.7	0.32	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
Endrin ketone	ND		1.7	0.26	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
gamma-BHC (Lindane)	ND		1.7	0.29	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
gamma-Chlordane	ND		1.7	0.33	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
Heptachlor	ND		1.7	0.37	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
Heptachlor epoxide	ND		1.7	0.32	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
Methoxychlor	ND		3.3	0.35	ug/Kg		08/27/14 18:10	08/29/14 14:49	1
Toxaphene	ND		67	11	ug/Kg		08/27/14 18:10	08/29/14 14:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 130*	*08/27/14 18:10*	*08/29/14 14:49*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/27/14 18:10*	*08/29/14 14:49*	*1*
Tetrachloro-m-xylene	*89*		*45 - 130*	*08/27/14 18:10*	*08/29/14 14:49*	*1*
Tetrachloro-m-xylene	*87*		*45 - 130*	*08/27/14 18:10*	*08/29/14 14:49*	*1*

Lab Sample ID: LCS 180-116270/2-A
Matrix: Solid
Analysis Batch: 116496

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116270

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	33.3	30.5		ug/Kg		92	70 - 123
alpha-BHC	33.3	29.8		ug/Kg		89	59 - 127
alpha-Chlordane	33.3	30.9		ug/Kg		93	71 - 130
beta-BHC	33.3	29.8		ug/Kg		89	70 - 138
4,4'-DDD	33.3	32.1		ug/Kg		96	65 - 135
4,4'-DDE	33.3	31.2		ug/Kg		93	70 - 133
4,4'-DDT	33.3	30.8		ug/Kg		92	10 - 140
delta-BHC	33.3	28.7		ug/Kg		86	40 - 124
Dieldrin	33.3	31.2		ug/Kg		94	70 - 123
Endosulfan I	33.3	31.1		ug/Kg		93	62 - 126
Endosulfan II	33.3	32.8		ug/Kg		98	65 - 128
Endosulfan sulfate	33.3	30.6		ug/Kg		92	55 - 140
Endrin	33.3	32.8		ug/Kg		98	70 - 127
Endrin aldehyde	33.3	32.5		ug/Kg		98	65 - 122
Endrin ketone	33.3	30.2		ug/Kg		91	59 - 132
gamma-BHC (Lindane)	33.3	30.1		ug/Kg		90	66 - 124
gamma-Chlordane	33.3	31.5		ug/Kg		95	68 - 123
Heptachlor	33.3	30.6		ug/Kg		92	70 - 128
Heptachlor epoxide	33.3	30.5		ug/Kg		91	69 - 131
Methoxychlor	33.3	31.8		ug/Kg		95	10 - 150

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-116270/2-A
Matrix: Solid
Analysis Batch: 116496

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116270

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*
Tetrachloro-m-xylene	*91*		*45 - 130*
Tetrachloro-m-xylene	*87*		*45 - 130*

Lab Sample ID: 180-35818-78 MS
Matrix: Solid
Analysis Batch: 116496

Client Sample ID: DUP-14
Prep Type: Total/NA
Prep Batch: 116270

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		36.9	30.8		ug/Kg	☼	84	70 - 123
alpha-BHC	0.43	J p	36.9	30.6		ug/Kg	☼	82	59 - 127
alpha-Chlordane	ND		36.9	29.9		ug/Kg	☼	81	71 - 130
beta-BHC	ND		36.9	30.1		ug/Kg	☼	82	70 - 138
4,4'-DDD	0.33	J p	36.9	31.5		ug/Kg	☼	85	65 - 135
4,4'-DDE	ND		36.9	31.1		ug/Kg	☼	84	70 - 133
4,4'-DDT	ND		36.9	34.2		ug/Kg	☼	93	10 - 140
delta-BHC	ND		36.9	29.8		ug/Kg	☼	81	40 - 124
Dieldrin	ND		36.9	32.0		ug/Kg	☼	87	70 - 123
Endosulfan I	ND		36.9	32.4		ug/Kg	☼	88	62 - 126
Endosulfan II	ND		36.9	30.9		ug/Kg	☼	84	65 - 128
Endosulfan sulfate	ND		36.9	29.9		ug/Kg	☼	81	55 - 140
Endrin	ND		36.9	32.9		ug/Kg	☼	89	70 - 127
Endrin aldehyde	ND		36.9	29.7		ug/Kg	☼	81	65 - 122
Endrin ketone	ND		36.9	31.1		ug/Kg	☼	84	59 - 132
gamma-BHC (Lindane)	ND		36.9	31.5		ug/Kg	☼	85	66 - 124
gamma-Chlordane	ND		36.9	31.3		ug/Kg	☼	85	68 - 123
Heptachlor	ND		36.9	30.9		ug/Kg	☼	84	70 - 128
Heptachlor epoxide	ND		36.9	30.6		ug/Kg	☼	83	69 - 131
Methoxychlor	ND		36.9	35.4		ug/Kg	☼	96	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*
Tetrachloro-m-xylene	*82*		*45 - 130*
Tetrachloro-m-xylene	*77*		*45 - 130*

Lab Sample ID: 180-35818-78 MSD
Matrix: Solid
Analysis Batch: 116496

Client Sample ID: DUP-14
Prep Type: Total/NA
Prep Batch: 116270

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		36.9	30.5		ug/Kg	☼	83	70 - 123	1	20
alpha-BHC	0.43	J p	36.9	30.7		ug/Kg	☼	82	59 - 127	1	20
alpha-Chlordane	ND		36.9	29.4		ug/Kg	☼	80	71 - 130	2	20
beta-BHC	ND		36.9	29.6		ug/Kg	☼	80	70 - 138	2	20
4,4'-DDD	0.33	J p	36.9	32.4		ug/Kg	☼	87	65 - 135	3	20
4,4'-DDE	ND		36.9	31.2		ug/Kg	☼	85	70 - 133	0	20

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35818-78 MSD
Matrix: Solid
Analysis Batch: 116496

Client Sample ID: DUP-14
Prep Type: Total/NA
Prep Batch: 116270

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDT	ND		36.9	33.6		ug/Kg	☼	91	10 - 140	2	37
delta-BHC	ND		36.9	28.9		ug/Kg	☼	78	40 - 124	3	20
Dieldrin	ND		36.9	31.6		ug/Kg	☼	86	70 - 123	1	20
Endosulfan I	ND		36.9	31.7		ug/Kg	☼	86	62 - 126	2	23
Endosulfan II	ND		36.9	30.2		ug/Kg	☼	82	65 - 128	2	33
Endosulfan sulfate	ND		36.9	28.8		ug/Kg	☼	78	55 - 140	4	26
Endrin	ND		36.9	31.7		ug/Kg	☼	86	70 - 127	4	20
Endrin aldehyde	ND		36.9	27.2		ug/Kg	☼	74	65 - 122	9	20
Endrin ketone	ND		36.9	31.0		ug/Kg	☼	84	59 - 132	0	20
gamma-BHC (Lindane)	ND		36.9	30.7		ug/Kg	☼	83	66 - 124	2	20
gamma-Chlordane	ND		36.9	30.9		ug/Kg	☼	84	68 - 123	1	24
Heptachlor	ND		36.9	30.6		ug/Kg	☼	83	70 - 128	1	20
Heptachlor epoxide	ND		36.9	30.9		ug/Kg	☼	84	69 - 131	1	20
Methoxychlor	ND		36.9	35.7		ug/Kg	☼	97	10 - 150	1	26

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*
Tetrachloro-m-xylene	*79*		*45 - 130*
Tetrachloro-m-xylene	*74*		*45 - 130*

Method: 8081B_LL - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-115137/1-A
Matrix: Water
Analysis Batch: 115424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0013	0.00083	ug/L		08/18/14 14:32	08/20/14 16:27	1
alpha-BHC	ND		0.0013	0.00066	ug/L		08/18/14 14:32	08/20/14 16:27	1
alpha-Chlordane	ND		0.0013	0.00098	ug/L		08/18/14 14:32	08/20/14 16:27	1
beta-BHC	ND		0.0013	0.0010	ug/L		08/18/14 14:32	08/20/14 16:27	1
4,4'-DDD	ND		0.0013	0.00067	ug/L		08/18/14 14:32	08/20/14 16:27	1
4,4'-DDE	ND		0.0013	0.00079	ug/L		08/18/14 14:32	08/20/14 16:27	1
4,4'-DDT	ND		0.0013	0.00074	ug/L		08/18/14 14:32	08/20/14 16:27	1
delta-BHC	ND		0.0013	0.00038	ug/L		08/18/14 14:32	08/20/14 16:27	1
Dieldrin	ND		0.0013	0.00082	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endosulfan I	ND		0.0013	0.00094	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endosulfan II	ND		0.0013	0.00098	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endosulfan sulfate	ND		0.0013	0.00057	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endrin	ND		0.0013	0.00096	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endrin aldehyde	ND		0.0013	0.00090	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endrin ketone	ND		0.0013	0.00092	ug/L		08/18/14 14:32	08/20/14 16:27	1
gamma-BHC (Lindane)	ND		0.0013	0.00080	ug/L		08/18/14 14:32	08/20/14 16:27	1
gamma-Chlordane	ND		0.0013	0.00096	ug/L		08/18/14 14:32	08/20/14 16:27	1
Heptachlor	ND		0.0013	0.00099	ug/L		08/18/14 14:32	08/20/14 16:27	1
Heptachlor epoxide	ND		0.0013	0.00097	ug/L		08/18/14 14:32	08/20/14 16:27	1
Methoxychlor	ND		0.0025	0.00091	ug/L		08/18/14 14:32	08/20/14 16:27	1

Method: 8081B_LL - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 180-115137/1-A
Matrix: Water
Analysis Batch: 115424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		0.10	0.019	ug/L		08/18/14 14:32	08/20/14 16:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 122*	*08/18/14 14:32*	*08/20/14 16:27*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 122*	*08/18/14 14:32*	*08/20/14 16:27*	*1*
Tetrachloro-m-xylene	*98*		*60 - 111*	*08/18/14 14:32*	*08/20/14 16:27*	*1*
Tetrachloro-m-xylene	*95*		*60 - 111*	*08/18/14 14:32*	*08/20/14 16:27*	*1*

Lab Sample ID: LCS 180-115137/2-A
Matrix: Water
Analysis Batch: 115424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0250	0.0232		ug/L		93	62 - 113
alpha-BHC	0.0250	0.0222		ug/L		89	58 - 114
alpha-Chlordane	0.0250	0.0223		ug/L		89	59 - 114
beta-BHC	0.0250	0.0224		ug/L		89	37 - 133
4,4'-DDD	0.0250	0.0230		ug/L		92	48 - 120
4,4'-DDE	0.0250	0.0226		ug/L		91	47 - 120
4,4'-DDT	0.0250	0.0238		ug/L		95	39 - 131
delta-BHC	0.0250	0.0214		ug/L		86	20 - 137
Dieldrin	0.0250	0.0235		ug/L		94	51 - 121
Endosulfan I	0.0250	0.0231		ug/L		92	53 - 117
Endosulfan II	0.0250	0.0239		ug/L		96	44 - 122
Endosulfan sulfate	0.0250	0.0235		ug/L		94	42 - 122
Endrin	0.0250	0.0244		ug/L		98	31 - 138
Endrin aldehyde	0.0250	0.0235		ug/L		94	41 - 116
Endrin ketone	0.0250	0.0235		ug/L		94	45 - 119
gamma-BHC (Lindane)	0.0250	0.0229		ug/L		92	57 - 120
gamma-Chlordane	0.0250	0.0233		ug/L		93	60 - 114
Heptachlor	0.0250	0.0233		ug/L		93	63 - 120
Heptachlor epoxide	0.0250	0.0230		ug/L		92	60 - 120
Methoxychlor	0.0250	0.0234		ug/L		94	35 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*93*		*45 - 122*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 122*
Tetrachloro-m-xylene	*94*		*60 - 111*
Tetrachloro-m-xylene	*92*		*60 - 111*

Lab Sample ID: LCSD 180-115137/3-A
Matrix: Water
Analysis Batch: 115424

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115137

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.0250	0.0247		ug/L		99	62 - 113	6	22
alpha-BHC	0.0250	0.0232		ug/L		93	58 - 114	4	20
alpha-Chlordane	0.0250	0.0247		ug/L		99	59 - 114	10	21

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

Method: 8081B_LL - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 180-115137/3-A
Matrix: Water
Analysis Batch: 115424

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115137

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
beta-BHC	0.0250	0.0236		ug/L		94	37 - 133	5	24
4,4'-DDD	0.0250	0.0249		ug/L		99	48 - 120	8	24
4,4'-DDE	0.0250	0.0238		ug/L		95	47 - 120	5	20
4,4'-DDT	0.0250	0.0240		ug/L		96	39 - 131	1	24
delta-BHC	0.0250	0.0234		ug/L		94	20 - 137	9	26
Dieldrin	0.0250	0.0250		ug/L		100	51 - 121	6	20
Endosulfan I	0.0250	0.0253		ug/L		101	53 - 117	9	22
Endosulfan II	0.0250	0.0261		ug/L		105	44 - 122	9	21
Endosulfan sulfate	0.0250	0.0252		ug/L		101	42 - 122	7	21
Endrin	0.0250	0.0253		ug/L		101	31 - 138	4	24
Endrin aldehyde	0.0250	0.0258		ug/L		103	41 - 116	9	25
Endrin ketone	0.0250	0.0243		ug/L		97	45 - 119	4	20
gamma-BHC (Lindane)	0.0250	0.0244		ug/L		97	57 - 120	6	21
gamma-Chlordane	0.0250	0.0247		ug/L		99	60 - 114	6	21
Heptachlor	0.0250	0.0246		ug/L		99	63 - 120	5	25
Heptachlor epoxide	0.0250	0.0250		ug/L		100	60 - 120	8	20
Methoxychlor	0.0250	0.0235		ug/L		94	35 - 137	0	27

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 122*
DCB Decachlorobiphenyl (Surr)	*95*		*45 - 122*
Tetrachloro-m-xylene	*98*		*60 - 111*
Tetrachloro-m-xylene	*97*		*60 - 111*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 180-115137/1-A
Matrix: Water
Analysis Batch: 115456

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.010	0.0025	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1221	ND		0.010	0.0025	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1232	ND		0.010	0.0029	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1242	ND		0.010	0.0019	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1248	ND		0.010	0.0023	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1254	ND		0.010	0.0023	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1260	ND		0.010	0.0014	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1262	ND		0.010	0.0021	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1268	ND		0.010	0.0027	ug/L		08/18/14 14:32	08/20/14 19:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*60 - 135*	*08/18/14 14:32*	*08/20/14 19:09*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*25 - 150*	*08/18/14 14:32*	*08/20/14 19:09*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCS 180-115137/4-A
Matrix: Water
Analysis Batch: 115456

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	1.02		ug/L		102	55 - 120
PCB-1260	1.00	1.03		ug/L		103	55 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*105*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*108*		*25 - 150*

Lab Sample ID: LCSD 180-115137/5-A
Matrix: Water
Analysis Batch: 115456

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115137

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	1.00	1.09		ug/L		109	55 - 120	7	25
PCB-1260	1.00	1.10		ug/L		110	55 - 120	7	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*106*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*111*		*25 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-116128/1-C
Matrix: Solid
Analysis Batch: 116627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg		08/26/14 22:14	08/31/14 10:43	1
PCB-1221	ND		17	3.2	ug/Kg		08/26/14 22:14	08/31/14 10:43	1
PCB-1232	ND		17	2.9	ug/Kg		08/26/14 22:14	08/31/14 10:43	1
PCB-1242	ND		17	2.7	ug/Kg		08/26/14 22:14	08/31/14 10:43	1
PCB-1248	ND		17	1.6	ug/Kg		08/26/14 22:14	08/31/14 10:43	1
PCB-1254	ND		17	2.4	ug/Kg		08/26/14 22:14	08/31/14 10:43	1
PCB-1260	ND		17	2.4	ug/Kg		08/26/14 22:14	08/31/14 10:43	1
PCB-1262	ND		17	3.7	ug/Kg		08/26/14 22:14	08/31/14 10:43	1
PCB-1268	ND		17	2.1	ug/Kg		08/26/14 22:14	08/31/14 10:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 125*	*08/26/14 22:14*	*08/31/14 10:43*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*45 - 135*	*08/26/14 22:14*	*08/31/14 10:43*	*1*

Lab Sample ID: MB 180-116128/1-C
Matrix: Solid
Analysis Batch: 116625

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116128

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 125*	*08/26/14 22:14*	*08/31/14 11:14*	*1*

QC Sample Results

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-116128/1-C
Matrix: Solid
Analysis Batch: 116625

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116128

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	99		45 - 135	08/26/14 22:14	08/31/14 11:14	1

Lab Sample ID: LCS 180-116128/3-C
Matrix: Solid
Analysis Batch: 116627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1330	1260		ug/Kg		94	55 - 135
PCB-1260	1330	1250		ug/Kg		94	50 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	94		45 - 125
Tetrachloro-m-xylene (Surr)	97		45 - 135

Lab Sample ID: LCS 180-116128/3-C
Matrix: Solid
Analysis Batch: 116625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	91		45 - 125
Tetrachloro-m-xylene (Surr)	97		45 - 135

Lab Sample ID: 180-35818-43MS
Matrix: Solid
Analysis Batch: 116627

Client Sample ID: SSHS-B75-2-6 (3)
Prep Type: Total/NA
Prep Batch: 116128

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	77		45 - 125
Tetrachloro-m-xylene (Surr)	72		45 - 135

Lab Sample ID: 180-35818-43MS
Matrix: Solid
Analysis Batch: 116625

Client Sample ID: SSHS-B75-2-6 (3)
Prep Type: Total/NA
Prep Batch: 116128

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		1510	1120		ug/Kg	☼	74	55 - 135
PCB-1260	17	J	1510	1060		ug/Kg	☼	69	50 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	73		45 - 125
Tetrachloro-m-xylene (Surr)	71		45 - 135

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-35818-43MSD **Client Sample ID: SSHS-B75-2-6 (3)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116627 **Prep Batch: 116128**

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*73*		*45 - 135*

Lab Sample ID: 180-35818-43MSD **Client Sample ID: SSHS-B75-2-6 (3)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116625 **Prep Batch: 116128**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1510	1230		ug/Kg	☼	81	55 - 135	9	20
PCB-1260	17	J	1510	1060		ug/Kg	☼	69	50 - 140	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*

Lab Sample ID: MB 180-116262/1-C **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116549 **Prep Batch: 116262**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg		08/27/14 16:04	08/30/14 18:23	1
PCB-1221	ND		17	3.2	ug/Kg		08/27/14 16:04	08/30/14 18:23	1
PCB-1232	ND		17	2.9	ug/Kg		08/27/14 16:04	08/30/14 18:23	1
PCB-1242	ND		17	2.7	ug/Kg		08/27/14 16:04	08/30/14 18:23	1
PCB-1248	ND		17	1.6	ug/Kg		08/27/14 16:04	08/30/14 18:23	1
PCB-1254	ND		17	2.4	ug/Kg		08/27/14 16:04	08/30/14 18:23	1
PCB-1260	ND		17	2.4	ug/Kg		08/27/14 16:04	08/30/14 18:23	1
PCB-1262	ND		17	3.7	ug/Kg		08/27/14 16:04	08/30/14 18:23	1
PCB-1268	ND		17	2.1	ug/Kg		08/27/14 16:04	08/30/14 18:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*45 - 125*	*08/27/14 16:04*	*08/30/14 18:23*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*45 - 135*	*08/27/14 16:04*	*08/30/14 18:23*	*1*

Lab Sample ID: MB 180-116262/1-C **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116554 **Prep Batch: 116262**

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*	*08/27/14 16:04*	*08/30/14 18:55*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*45 - 135*	*08/27/14 16:04*	*08/30/14 18:55*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-116262/5-C
Matrix: Solid
Analysis Batch: 116549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116262

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1330	1150		ug/Kg		86	55 - 135		
PCB-1260			1330	1150		ug/Kg		86	50 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*

Lab Sample ID: LCS 180-116262/5-C
Matrix: Solid
Analysis Batch: 116554

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116262

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*

Lab Sample ID: 180-35818-69 MS
Matrix: Solid
Analysis Batch: 116549

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116262

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		1440	1050		ug/Kg	☼	73	55 - 135		
PCB-1260	ND		1440	978		ug/Kg	☼	68	50 - 140		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*

Lab Sample ID: 180-35818-69 MS
Matrix: Solid
Analysis Batch: 116554

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116262

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*71*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*

Lab Sample ID: 180-35818-69 MSD
Matrix: Solid
Analysis Batch: 116549

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116262

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1450	1200		ug/Kg	☼	83	55 - 135	13	20
PCB-1260	ND		1450	1110		ug/Kg	☼	77	50 - 140	13	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-35818-69 MSD
Matrix: Solid
Analysis Batch: 116554

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116262

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*90*		*45 - 135*

Lab Sample ID: MB 180-116270/1-C
Matrix: Solid
Analysis Batch: 116403

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116270

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg		08/27/14 18:10	08/29/14 01:35	1
PCB-1221	ND		17	3.2	ug/Kg		08/27/14 18:10	08/29/14 01:35	1
PCB-1232	ND		17	2.9	ug/Kg		08/27/14 18:10	08/29/14 01:35	1
PCB-1242	ND		17	2.7	ug/Kg		08/27/14 18:10	08/29/14 01:35	1
PCB-1248	ND		17	1.6	ug/Kg		08/27/14 18:10	08/29/14 01:35	1
PCB-1254	ND		17	2.4	ug/Kg		08/27/14 18:10	08/29/14 01:35	1
PCB-1260	ND		17	2.4	ug/Kg		08/27/14 18:10	08/29/14 01:35	1
PCB-1262	ND		17	3.7	ug/Kg		08/27/14 18:10	08/29/14 01:35	1
PCB-1268	ND		17	2.1	ug/Kg		08/27/14 18:10	08/29/14 01:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*	*08/27/14 18:10*	*08/29/14 01:35*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*	*08/27/14 18:10*	*08/29/14 01:35*	*1*

Lab Sample ID: MB 180-116270/1-C
Matrix: Solid
Analysis Batch: 116401

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116270

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/27/14 18:10*	*08/29/14 02:06*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*	*08/27/14 18:10*	*08/29/14 02:06*	*1*

Lab Sample ID: LCS 180-116270/5-C
Matrix: Solid
Analysis Batch: 116403

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116270

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*86*		*45 - 135*

Lab Sample ID: LCS 180-116270/5-C
Matrix: Solid
Analysis Batch: 116401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116270

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1330	1150		ug/Kg		86	55 - 135
PCB-1260	1330	1110		ug/Kg		83	50 - 140

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-116270/5-C **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116401 **Prep Batch: 116270**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*

Lab Sample ID: 180-35818-78 MS **Client Sample ID: DUP-14**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116403 **Prep Batch: 116270**

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*

Lab Sample ID: 180-35818-78 MS **Client Sample ID: DUP-14**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116401 **Prep Batch: 116270**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		1480	1210		ug/Kg	☼	82	55 - 135
PCB-1260	ND		1480	1150		ug/Kg	☼	78	50 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*83*		*45 - 135*

Lab Sample ID: 180-35818-78 MSD **Client Sample ID: DUP-14**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116403 **Prep Batch: 116270**

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*152*	*X*	*45 - 125*
Tetrachloro-m-xylene (Surr)	*156*	*X*	*45 - 135*

Lab Sample ID: 180-35818-78 MSD **Client Sample ID: DUP-14**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116401 **Prep Batch: 116270**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1480	1240		ug/Kg	☼	84	55 - 135	2	20
PCB-1260	ND		1480	1170		ug/Kg	☼	79	50 - 140	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*156*	*X*	*45 - 125*
Tetrachloro-m-xylene (Surr)	*163*	*X*	*45 - 135*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 180-115612/1-A
Matrix: Solid
Analysis Batch: 116412

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115612

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	2.1	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Antimony	ND		1.0	0.20	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Arsenic	ND		1.0	0.31	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Barium	ND		20	0.013	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Beryllium	ND		0.40	0.011	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Cadmium	ND		0.51	0.014	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Calcium	ND		510	1.5	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Chromium	ND		0.51	0.078	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Cobalt	ND		5.1	0.042	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Copper	ND		2.5	0.15	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Iron	ND		10	0.90	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Lead	ND		1.0	0.10	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Magnesium	ND		510	2.1	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Manganese	ND		1.5	0.090	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Nickel	ND		4.0	0.048	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Potassium	ND		510	6.5	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Selenium	ND		1.0	0.27	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Silver	ND		0.51	0.041	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Sodium	ND		510	1.1	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Thallium	ND		2.0	0.15	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Vanadium	ND		5.1	0.18	mg/Kg		08/21/14 13:05	08/28/14 10:35	1
Zinc	0.175	J	2.0	0.10	mg/Kg		08/21/14 13:05	08/28/14 10:35	1

Lab Sample ID: LCS 180-115612/2-A
Matrix: Solid
Analysis Batch: 116412

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115612

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	196	195		mg/Kg		100	80 - 120
Antimony	49.0	49.0		mg/Kg		100	80 - 120
Arsenic	49.0	50.5		mg/Kg		103	80 - 120
Barium	196	199		mg/Kg		102	80 - 120
Beryllium	4.90	5.07		mg/Kg		103	80 - 120
Cadmium	4.90	4.65		mg/Kg		95	80 - 120
Calcium	4900	4990		mg/Kg		102	80 - 120
Chromium	19.6	19.7		mg/Kg		101	80 - 120
Cobalt	49.0	48.8		mg/Kg		99	80 - 120
Copper	24.5	24.1		mg/Kg		98	80 - 120
Iron	98.0	102		mg/Kg		104	80 - 120
Lead	49.0	47.5		mg/Kg		97	80 - 120
Magnesium	4900	4890		mg/Kg		100	80 - 120
Manganese	49.0	48.4		mg/Kg		99	80 - 120
Nickel	49.0	48.5		mg/Kg		99	80 - 120
Potassium	4900	4960		mg/Kg		101	80 - 120
Selenium	49.0	48.3		mg/Kg		99	80 - 120
Silver	4.90	4.82		mg/Kg		98	80 - 120
Sodium	4900	5070		mg/Kg		104	80 - 120
Thallium	49.0	46.2		mg/Kg		94	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-115612/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116412 **Prep Batch: 115612**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium			49.0	51.3		mg/Kg		105	80 - 120
Zinc			49.0	48.6		mg/Kg		99	80 - 120

Lab Sample ID: 180-35818-43MS **Client Sample ID: SSHS-B75-2-6 (3)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116412 **Prep Batch: 115612**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8800		220	11500	4	mg/Kg	☼	1228	75 - 125
Antimony	ND		54.9	35.3	F1	mg/Kg	☼	64	75 - 125
Arsenic	9.4		54.9	55.5		mg/Kg	☼	84	75 - 125
Barium	50		220	249		mg/Kg	☼	91	75 - 125
Beryllium	0.38		5.49	5.11		mg/Kg	☼	86	75 - 125
Cadmium	0.038		5.49	4.33		mg/Kg	☼	78	75 - 125
Calcium	6500		5490	9940	F1	mg/Kg	☼	63	75 - 125
Chromium	9.7		22.0	29.6		mg/Kg	☼	90	75 - 125
Cobalt	7.9		54.9	57.9		mg/Kg	☼	91	75 - 125
Copper	23		27.5	45.3		mg/Kg	☼	81	75 - 125
Iron	20000		110	18300	4	mg/Kg	☼	-1557	75 - 125
Lead	15		54.9	66.6		mg/Kg	☼	93	75 - 125
Magnesium	2500		5490	7170		mg/Kg	☼	84	75 - 125
Manganese	610		54.9	525	4	mg/Kg	☼	-146	75 - 125
Nickel	17		54.9	67.3		mg/Kg	☼	91	75 - 125
Potassium	620		5490	5670		mg/Kg	☼	92	75 - 125
Selenium	ND		54.9	44.5		mg/Kg	☼	81	75 - 125
Silver	ND		5.49	4.52		mg/Kg	☼	82	75 - 125
Sodium	40		5490	4830		mg/Kg	☼	87	75 - 125
Thallium	ND		54.9	46.8		mg/Kg	☼	85	75 - 125
Vanadium	14		54.9	64.7		mg/Kg	☼	93	75 - 125
Zinc	55		54.9	100		mg/Kg	☼	82	75 - 125

Lab Sample ID: 180-35818-43MSD **Client Sample ID: SSHS-B75-2-6 (3)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116412 **Prep Batch: 115612**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	8800		224	11500	4	mg/Kg	☼	1217	75 - 125	0	20
Antimony	ND		56.0	36.3	F1	mg/Kg	☼	65	75 - 125	3	20
Arsenic	9.4		56.0	56.3		mg/Kg	☼	84	75 - 125	2	20
Barium	50		224	245		mg/Kg	☼	87	75 - 125	2	20
Beryllium	0.38		5.60	5.14		mg/Kg	☼	85	75 - 125	1	20
Cadmium	0.038		5.60	4.39		mg/Kg	☼	78	75 - 125	1	20
Calcium	6500		5600	9040	F1	mg/Kg	☼	46	75 - 125	10	20
Chromium	9.7		22.4	30.3		mg/Kg	☼	92	75 - 125	3	20
Cobalt	7.9		56.0	60.8		mg/Kg	☼	94	75 - 125	5	20
Copper	23		28.0	42.9	F1	mg/Kg	☼	71	75 - 125	5	20
Iron	20000		112	19700	4	mg/Kg	☼	-332	75 - 125	7	20
Lead	15		56.0	67.8		mg/Kg	☼	94	75 - 125	2	20
Magnesium	2500		5600	7040		mg/Kg	☼	80	75 - 125	2	20

QC Sample Results

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35818-43MSD
Matrix: Solid
Analysis Batch: 116412

Client Sample ID: SSHS-B75-2-6 (3)
Prep Type: Total/NA
Prep Batch: 115612

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Manganese	610		56.0	658	4 F2	mg/Kg	☼	95	75 - 125	23	20
Nickel	17		56.0	69.8		mg/Kg	☼	94	75 - 125	4	20
Potassium	620		5600	5850		mg/Kg	☼	93	75 - 125	3	20
Selenium	ND		56.0	45.5		mg/Kg	☼	81	75 - 125	2	20
Silver	ND		5.60	4.56		mg/Kg	☼	81	75 - 125	1	20
Sodium	40		5600	4840		mg/Kg	☼	86	75 - 125	0	20
Thallium	ND		56.0	48.8		mg/Kg	☼	87	75 - 125	4	20
Vanadium	14		56.0	68.2		mg/Kg	☼	98	75 - 125	5	20
Zinc	55		56.0	103		mg/Kg	☼	86	75 - 125	3	20

Lab Sample ID: MB 180-115613/1-A
Matrix: Solid
Analysis Batch: 116450

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115613

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		19	2.0	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Antimony	ND		0.97	0.19	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Arsenic	ND		0.97	0.30	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Barium	ND		19	0.012	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Beryllium	ND		0.39	0.011	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Cadmium	0.0175	J	0.49	0.014	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Calcium	ND		490	1.5	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Chromium	ND		0.49	0.075	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Cobalt	ND		4.9	0.041	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Copper	ND		2.4	0.14	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Iron	2.09	J	9.7	0.86	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Lead	ND		0.97	0.099	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Magnesium	ND		490	2.0	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Manganese	ND		1.5	0.086	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Nickel	ND		3.9	0.046	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Potassium	8.62	J	490	6.2	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Selenium	ND		0.97	0.26	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Silver	ND		0.49	0.039	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Sodium	ND		490	1.0	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Thallium	ND		1.9	0.14	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Vanadium	ND		4.9	0.17	mg/Kg		08/21/14 13:06	08/28/14 15:12	1
Zinc	0.178	J	1.9	0.10	mg/Kg		08/21/14 13:06	08/28/14 15:12	1

Lab Sample ID: LCS 180-115613/2-A
Matrix: Solid
Analysis Batch: 116450

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115613

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	198	185		mg/Kg		94	80 - 120
Antimony	49.5	46.6		mg/Kg		94	80 - 120
Arsenic	49.5	46.8		mg/Kg		94	80 - 120
Barium	198	191		mg/Kg		96	80 - 120
Beryllium	4.95	4.68		mg/Kg		95	80 - 120
Cadmium	4.95	4.62		mg/Kg		93	80 - 120

QC Sample Results

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-115613/2-A
Matrix: Solid
Analysis Batch: 116450

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115613

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	4950	4570		mg/Kg		92	80 - 120
Chromium	19.8	19.1		mg/Kg		96	80 - 120
Cobalt	49.5	45.8		mg/Kg		92	80 - 120
Copper	24.8	23.0		mg/Kg		93	80 - 120
Iron	99.0	94.4		mg/Kg		95	80 - 120
Lead	49.5	44.6		mg/Kg		90	80 - 120
Magnesium	4950	4410		mg/Kg		89	80 - 120
Manganese	49.5	45.9		mg/Kg		93	80 - 120
Nickel	49.5	45.8		mg/Kg		92	80 - 120
Potassium	4950	4540		mg/Kg		92	80 - 120
Selenium	49.5	45.5		mg/Kg		92	80 - 120
Silver	4.95	4.79		mg/Kg		97	80 - 120
Sodium	4950	4620		mg/Kg		93	80 - 120
Thallium	49.5	43.7		mg/Kg		88	80 - 120
Vanadium	49.5	48.7		mg/Kg		98	80 - 120
Zinc	49.5	46.2		mg/Kg		93	80 - 120

Lab Sample ID: 180-35818-69 MS
Matrix: Solid
Analysis Batch: 116450

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 115613

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	6400		197	8320	4	mg/Kg	☼	982	75 - 125
Antimony	0.73	J	49.3	32.0	F1	mg/Kg	☼	63	75 - 125
Arsenic	8.3		49.3	46.3		mg/Kg	☼	77	75 - 125
Barium	36		197	208		mg/Kg	☼	87	75 - 125
Beryllium	0.32	J	4.93	4.49		mg/Kg	☼	85	75 - 125
Calcium	1500		4930	5180	F1	mg/Kg	☼	74	75 - 125
Chromium	9.6		19.7	25.9		mg/Kg	☼	83	75 - 125
Cobalt	5.2		49.3	46.8		mg/Kg	☼	84	75 - 125
Copper	18		24.7	38.8		mg/Kg	☼	84	75 - 125
Iron	23000	B	98.6	18200	4	mg/Kg	☼	-4411	75 - 125
Lead	22		49.3	57.5	F1	mg/Kg	☼	72	75 - 125
Manganese	380		49.3	398	4	mg/Kg	☼	36	75 - 125
Nickel	11		49.3	53.1		mg/Kg	☼	85	75 - 125
Potassium	720	B	4930	4900		mg/Kg	☼	85	75 - 125
Selenium	0.42	J	49.3	38.1		mg/Kg	☼	76	75 - 125
Silver	ND		4.93	3.97		mg/Kg	☼	81	75 - 125
Sodium	71	J	4930	4230		mg/Kg	☼	84	75 - 125
Vanadium	15		49.3	57.2		mg/Kg	☼	86	75 - 125

Lab Sample ID: 180-35818-69 MS
Matrix: Solid
Analysis Batch: 116527

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 115613

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	ND		4.93	4.19		mg/Kg	☼	85	75 - 125
Magnesium	1700		4930	6520		mg/Kg	☼	97	75 - 125
Thallium	ND		49.3	41.8		mg/Kg	☼	85	75 - 125

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35818-69 MS
Matrix: Solid
Analysis Batch: 116527

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 115613

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	46	B	49.3	93.0		mg/Kg	☼	94	75 - 125

Lab Sample ID: 180-35818-69 MSD
Matrix: Solid
Analysis Batch: 116450

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 115613

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	6400		209	8740	4	mg/Kg	☼	1127	75 - 125	5	20
Antimony	0.73	J	52.2	32.3	F1	mg/Kg	☼	61	75 - 125	1	20
Arsenic	8.3		52.2	47.4		mg/Kg	☼	75	75 - 125	2	20
Barium	36		209	225		mg/Kg	☼	90	75 - 125	8	20
Beryllium	0.32	J	5.22	4.51		mg/Kg	☼	80	75 - 125	0	20
Calcium	1500		5220	5110	F1	mg/Kg	☼	69	75 - 125	1	20
Chromium	9.6		20.9	27.4		mg/Kg	☼	85	75 - 125	5	20
Cobalt	5.2		52.2	48.6		mg/Kg	☼	83	75 - 125	4	20
Copper	18		26.1	38.3		mg/Kg	☼	78	75 - 125	1	20
Iron	23000	B	104	18900	4	mg/Kg	☼	-3451	75 - 125	4	20
Lead	22		52.2	59.8	F1	mg/Kg	☼	72	75 - 125	4	20
Manganese	380		52.2	424	4	mg/Kg	☼	85	75 - 125	6	20
Nickel	11		52.2	55.2		mg/Kg	☼	85	75 - 125	4	20
Potassium	720	B	5220	4900		mg/Kg	☼	80	75 - 125	0	20
Selenium	0.42	J	52.2	38.9	F1	mg/Kg	☼	74	75 - 125	2	20
Silver	ND		5.22	4.10		mg/Kg	☼	79	75 - 125	3	20
Sodium	71	J	5220	4210		mg/Kg	☼	79	75 - 125	0	20
Vanadium	15		52.2	59.3		mg/Kg	☼	85	75 - 125	3	20

Lab Sample ID: 180-35818-69 MSD
Matrix: Solid
Analysis Batch: 116527

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 115613

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	ND		5.22	4.26		mg/Kg	☼	82	75 - 125	2	20
Magnesium	1700		5220	6640		mg/Kg	☼	94	75 - 125	2	20
Thallium	ND		52.2	42.9		mg/Kg	☼	82	75 - 125	3	20
Zinc	46	B	52.2	104		mg/Kg	☼	110	75 - 125	11	20

Lab Sample ID: MB 180-115614/1-A
Matrix: Solid
Analysis Batch: 116285

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115614

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	2.0	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Antimony	ND		0.98	0.20	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Arsenic	ND		0.98	0.30	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Barium	ND		20	0.013	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Beryllium	ND		0.39	0.011	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Cadmium	0.0216	J	0.49	0.014	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Calcium	ND		490	1.5	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Chromium	ND		0.49	0.076	mg/Kg		08/21/14 13:07	08/27/14 14:24	1

QC Sample Results

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-115614/1-A
Matrix: Solid
Analysis Batch: 116285

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115614

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		4.9	0.041	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Copper	ND		2.5	0.14	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Iron	1.06	J	9.8	0.87	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Lead	ND		0.98	0.10	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Magnesium	ND		490	2.0	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Manganese	ND		1.5	0.087	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Nickel	0.0637	J	3.9	0.047	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Potassium	ND		490	6.3	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Selenium	ND		0.98	0.26	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Silver	ND		0.49	0.040	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Sodium	ND		490	1.0	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Thallium	ND		2.0	0.14	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Vanadium	ND		4.9	0.17	mg/Kg		08/21/14 13:07	08/27/14 14:24	1
Zinc	0.102	J	2.0	0.10	mg/Kg		08/21/14 13:07	08/27/14 14:24	1

Lab Sample ID: LCS 180-115614/2-A
Matrix: Solid
Analysis Batch: 116285

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115614

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	198	207		mg/Kg		105	80 - 120
Antimony	49.5	52.5		mg/Kg		106	80 - 120
Arsenic	49.5	53.3		mg/Kg		108	80 - 120
Barium	198	207		mg/Kg		104	80 - 120
Beryllium	4.95	5.30		mg/Kg		107	80 - 120
Cadmium	4.95	4.96		mg/Kg		100	80 - 120
Calcium	4950	5210		mg/Kg		105	80 - 120
Chromium	19.8	20.5		mg/Kg		103	80 - 120
Cobalt	49.5	51.8		mg/Kg		105	80 - 120
Copper	24.8	25.4		mg/Kg		103	80 - 120
Iron	99.0	105		mg/Kg		106	80 - 120
Lead	49.5	50.3		mg/Kg		102	80 - 120
Magnesium	4950	5090		mg/Kg		103	80 - 120
Manganese	49.5	50.7		mg/Kg		102	80 - 120
Nickel	49.5	51.8		mg/Kg		105	80 - 120
Potassium	4950	5210		mg/Kg		105	80 - 120
Selenium	49.5	51.4		mg/Kg		104	80 - 120
Silver	4.95	5.21		mg/Kg		105	80 - 120
Sodium	4950	5320		mg/Kg		107	80 - 120
Thallium	49.5	48.5		mg/Kg		98	80 - 120
Vanadium	49.5	53.4		mg/Kg		108	80 - 120
Zinc	49.5	51.1		mg/Kg		103	80 - 120

Lab Sample ID: 180-35818-76 MS
Matrix: Solid
Analysis Batch: 116285

Client Sample ID: DUP-12
Prep Type: Total/NA
Prep Batch: 115614

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	7700		203	10300	4	mg/Kg	☼	1283	75 - 125

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35818-76 MS
Matrix: Solid
Analysis Batch: 116285

Client Sample ID: DUP-12
Prep Type: Total/NA
Prep Batch: 115614

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Antimony	0.38	J	50.9	33.2	F1	mg/Kg	☼	64	75 - 125		
Arsenic	7.4		50.9	51.8		mg/Kg	☼	87	75 - 125		
Barium	66		203	238		mg/Kg	☼	85	75 - 125		
Beryllium	0.34	J	5.09	4.77		mg/Kg	☼	87	75 - 125		
Cadmium	0.056	J B	5.09	4.14		mg/Kg	☼	80	75 - 125		
Calcium	2500		5090	5810	F1	mg/Kg	☼	66	75 - 125		
Chromium	8.8		20.3	27.1		mg/Kg	☼	90	75 - 125		
Cobalt	5.6		50.9	51.7		mg/Kg	☼	91	75 - 125		
Copper	27		25.4	43.2	F1	mg/Kg	☼	62	75 - 125		
Iron	16000	B	102	14900	4	mg/Kg	☼	-1384	75 - 125		
Lead	13		50.9	54.4		mg/Kg	☼	82	75 - 125		
Magnesium	1900		5090	6240		mg/Kg	☼	86	75 - 125		
Manganese	470		50.9	368	4	mg/Kg	☼	-191	75 - 125		
Nickel	17	B	50.9	60.5		mg/Kg	☼	85	75 - 125		
Potassium	630		5090	5240		mg/Kg	☼	91	75 - 125		
Selenium	0.58	J	50.9	42.6		mg/Kg	☼	83	75 - 125		
Silver	ND		5.09	4.35		mg/Kg	☼	85	75 - 125		
Sodium	180	J	5090	4650		mg/Kg	☼	88	75 - 125		
Thallium	ND		50.9	42.4		mg/Kg	☼	83	75 - 125		
Vanadium	12		50.9	59.4		mg/Kg	☼	93	75 - 125		
Zinc	45	B	50.9	89.0		mg/Kg	☼	87	75 - 125		

Lab Sample ID: 180-35818-76 MSD
Matrix: Solid
Analysis Batch: 116285

Client Sample ID: DUP-12
Prep Type: Total/NA
Prep Batch: 115614

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	7700		194	9860	4	mg/Kg	☼	1137	75 - 125	4	20
Antimony	0.38	J	48.6	32.1	F1	mg/Kg	☼	65	75 - 125	3	20
Arsenic	7.4		48.6	48.5		mg/Kg	☼	85	75 - 125	7	20
Barium	66		194	236		mg/Kg	☼	88	75 - 125	1	20
Beryllium	0.34	J	4.86	4.62		mg/Kg	☼	88	75 - 125	3	20
Cadmium	0.056	J B	4.86	3.99		mg/Kg	☼	81	75 - 125	4	20
Calcium	2500		4860	6140		mg/Kg	☼	76	75 - 125	5	20
Chromium	8.8		19.4	26.3		mg/Kg	☼	90	75 - 125	3	20
Cobalt	5.6		48.6	49.2		mg/Kg	☼	90	75 - 125	5	20
Copper	27		24.3	43.1	F1	mg/Kg	☼	64	75 - 125	0	20
Iron	16000	B	97.2	15200	4	mg/Kg	☼	-1141	75 - 125	2	20
Lead	13		48.6	54.1		mg/Kg	☼	85	75 - 125	0	20
Magnesium	1900		4860	6120		mg/Kg	☼	88	75 - 125	2	20
Manganese	470		48.6	394	4	mg/Kg	☼	-146	75 - 125	7	20
Nickel	17	B	48.6	58.7		mg/Kg	☼	85	75 - 125	3	20
Potassium	630		4860	4970		mg/Kg	☼	89	75 - 125	5	20
Selenium	0.58	J	48.6	41.2		mg/Kg	☼	84	75 - 125	3	20
Silver	ND		4.86	4.19		mg/Kg	☼	86	75 - 125	4	20
Sodium	180	J	4860	4490		mg/Kg	☼	89	75 - 125	3	20
Thallium	ND		48.6	40.5		mg/Kg	☼	83	75 - 125	4	20
Vanadium	12		48.6	56.8		mg/Kg	☼	92	75 - 125	5	20

QC Sample Results

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

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35818-76 MSD
Matrix: Solid
Analysis Batch: 116285

Client Sample ID: DUP-12
Prep Type: Total/NA
Prep Batch: 115614

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	45	B	48.6	89.7		mg/Kg	☼	92	75 - 125	1	20

Lab Sample ID: MB 180-115230/1-A
Matrix: Water
Analysis Batch: 116140

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 115230

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	42	ug/L		08/19/14 10:06	08/26/14 15:02	1
Antimony	ND		10	2.5	ug/L		08/19/14 10:06	08/26/14 15:02	1
Arsenic	ND		10	3.0	ug/L		08/19/14 10:06	08/26/14 15:02	1
Barium	ND		200	0.19	ug/L		08/19/14 10:06	08/26/14 15:02	1
Beryllium	ND		4.0	0.27	ug/L		08/19/14 10:06	08/26/14 15:02	1
Cobalt	ND		50	0.39	ug/L		08/19/14 10:06	08/26/14 15:02	1
Copper	ND		25	0.85	ug/L		08/19/14 10:06	08/26/14 15:02	1
Iron	ND		100	5.3	ug/L		08/19/14 10:06	08/26/14 15:02	1
Lead	ND		10	1.5	ug/L		08/19/14 10:06	08/26/14 15:02	1
Nickel	ND		40	0.49	ug/L		08/19/14 10:06	08/26/14 15:02	1
Potassium	ND		5000	41	ug/L		08/19/14 10:06	08/26/14 15:02	1
Silver	ND		5.0	0.27	ug/L		08/19/14 10:06	08/26/14 15:02	1
Sodium	66.4	J	5000	21	ug/L		08/19/14 10:06	08/26/14 15:02	1
Vanadium	ND		50	1.1	ug/L		08/19/14 10:06	08/26/14 15:02	1

Lab Sample ID: MB 180-115230/1-A
Matrix: Water
Analysis Batch: 116283

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 115230

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.17	ug/L		08/19/14 10:06	08/27/14 15:40	1
Calcium	ND		5000	14	ug/L		08/19/14 10:06	08/27/14 15:40	1
Chromium	ND		5.0	1.0	ug/L		08/19/14 10:06	08/27/14 15:40	1
Magnesium	ND		5000	11	ug/L		08/19/14 10:06	08/27/14 15:40	1
Manganese	0.130	J	15	0.094	ug/L		08/19/14 10:06	08/27/14 15:40	1
Selenium	ND		10	1.7	ug/L		08/19/14 10:06	08/27/14 15:40	1
Thallium	ND		20	1.5	ug/L		08/19/14 10:06	08/27/14 15:40	1
Zinc	ND		20	6.0	ug/L		08/19/14 10:06	08/27/14 15:40	1

Lab Sample ID: LCS 180-115230/2-A
Matrix: Water
Analysis Batch: 116140

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 115230

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2000	1880		ug/L		94	80 - 120
Antimony	500	495		ug/L		99	80 - 120
Arsenic	500	489		ug/L		98	80 - 120
Barium	2000	1990		ug/L		100	80 - 120
Beryllium	50.0	46.7		ug/L		93	80 - 120
Cobalt	500	444		ug/L		89	80 - 120
Copper	250	231		ug/L		92	80 - 120
Iron	1000	930		ug/L		93	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-115230/2-A
Matrix: Water
Analysis Batch: 116140

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 115230

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	500	443		ug/L		89	80 - 120
Nickel	500	449		ug/L		90	80 - 120
Potassium	50000	46600		ug/L		93	80 - 120
Silver	50.0	48.1		ug/L		96	80 - 120
Sodium	50000	47900		ug/L		96	80 - 120
Vanadium	500	466		ug/L		93	80 - 120

Lab Sample ID: LCS 180-115230/2-A
Matrix: Water
Analysis Batch: 116283

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 115230

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	50.0	45.8		ug/L		92	80 - 120
Calcium	50000	47400		ug/L		95	80 - 120
Chromium	200	191		ug/L		96	80 - 120
Magnesium	50000	46400		ug/L		93	80 - 120
Manganese	500	472		ug/L		94	80 - 120
Selenium	500	506		ug/L		101	80 - 120
Thallium	500	494		ug/L		99	80 - 120
Zinc	500	476		ug/L		95	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-115423/1-A
Matrix: Water
Analysis Batch: 115556

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.038	ug/L		08/20/14 10:20	08/20/14 14:50	1

Lab Sample ID: LCS 180-115423/2-A
Matrix: Water
Analysis Batch: 115556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	5.01		ug/L		100	80 - 120

Lab Sample ID: LCSD 180-115423/3-A
Matrix: Water
Analysis Batch: 115556

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115423

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	5.00	4.90		ug/L		98	80 - 120	2	20

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 180-116179/1-A
Matrix: Solid
Analysis Batch: 116253

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116179

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.011	mg/Kg		08/27/14 09:14	08/27/14 13:29	1

Lab Sample ID: LCS 180-116179/2-A
Matrix: Solid
Analysis Batch: 116253

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116179

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.410	0.410		mg/Kg		100	80 - 120

Lab Sample ID: 180-35818-43MS
Matrix: Solid
Analysis Batch: 116253

Client Sample ID: SSHS-B75-2-6 (3)
Prep Type: Total/NA
Prep Batch: 116179

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.031	J	0.185	0.222		mg/Kg	☼	103	75 - 125

Lab Sample ID: 180-35818-43MSD
Matrix: Solid
Analysis Batch: 116253

Client Sample ID: SSHS-B75-2-6 (3)
Prep Type: Total/NA
Prep Batch: 116179

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.031	J	0.185	0.215		mg/Kg	☼	100	75 - 125	3	20

Lab Sample ID: MB 180-116180/1-A
Matrix: Solid
Analysis Batch: 116253

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.011	mg/Kg		08/27/14 09:15	08/27/14 14:22	1

Lab Sample ID: LCS 180-116180/2-A
Matrix: Solid
Analysis Batch: 116253

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.410	0.408		mg/Kg		100	80 - 120

Lab Sample ID: 180-35818-69 MS
Matrix: Solid
Analysis Batch: 116253

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116180

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.029	J	0.178	0.211		mg/Kg	☼	103	75 - 125

Lab Sample ID: 180-35818-69 MSD
Matrix: Solid
Analysis Batch: 116253

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 116180

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.029	J	0.178	0.198		mg/Kg	☼	95	75 - 125	7	20

Lab Sample ID: MB 180-116181/1-A
Matrix: Solid
Analysis Batch: 116253
Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116181

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.011	mg/Kg		08/27/14 09:17	08/27/14 15:11	1

Lab Sample ID: LCS 180-116181/2-A
Matrix: Solid
Analysis Batch: 116253
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116181

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.410	0.402		mg/Kg		98	80 - 120		

Lab Sample ID: 180-35818-81 MS
Matrix: Solid
Analysis Batch: 116253
Client Sample ID: DUP-17
Prep Type: Total/NA
Prep Batch: 116181

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.065		0.191	0.246		mg/Kg	☼	95	75 - 125		

Lab Sample ID: 180-35818-81 MSD
Matrix: Solid
Analysis Batch: 116253
Client Sample ID: DUP-17
Prep Type: Total/NA
Prep Batch: 116181

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.065		0.191	0.262		mg/Kg	☼	103	75 - 125	6	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-35818-43 DU
Matrix: Solid
Analysis Batch: 115099
Client Sample ID: SSHS-B75-2-6 (3)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	12			11		%				4	20
Percent Solids	88			89		%				0.5	20

Lab Sample ID: 180-35818-50 DU
Matrix: Solid
Analysis Batch: 115111
Client Sample ID: SSHS-B101-0.17-2 (1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	7.1			8.3		%				15	20
Percent Solids	93			92		%				1	20

Lab Sample ID: 180-35818-63 DU
Matrix: Solid
Analysis Batch: 115111
Client Sample ID: SSHS-B70-10-14 (12.5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	10			10		%				4	20
Percent Solids	90			90		%				0.4	20

QC Sample Results

Method: 2540G - SM 2540G (Continued)

Lab Sample ID: 180-35818-69 DU
Matrix: Solid
Analysis Batch: 115155

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	7.8		7.8		%		0.2	20
Percent Solids	92		92		%		0.01	20

Lab Sample ID: 180-35818-78 DU
Matrix: Solid
Analysis Batch: 115155

Client Sample ID: DUP-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	9.7		9.3		%		3	20
Percent Solids	90		91		%		0.4	20

Method: 9014 - Cyanide

Lab Sample ID: MB 180-115799/4-A
Matrix: Solid
Analysis Batch: 115822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115799

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.15	mg/Kg		08/23/14 09:00	08/23/14 10:45	1

Lab Sample ID: HLCS 180-115799/2-A
Matrix: Solid
Analysis Batch: 115822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115799

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.230		mg/Kg		92	90 - 110

Lab Sample ID: LCS 180-115799/3-A
Matrix: Solid
Analysis Batch: 115822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115799

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	101	84.1		mg/Kg		83	38 - 162

Lab Sample ID: LLCS 180-115799/1-A
Matrix: Solid
Analysis Batch: 115822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115799

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0473		mg/Kg		95	90 - 110

Lab Sample ID: 180-35818-43MS
Matrix: Solid
Analysis Batch: 115822

Client Sample ID: SSHS-B75-2-6 (3)
Prep Type: Total/NA
Prep Batch: 115799

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		5.60	5.52		mg/Kg	☼	99	75 - 125

Method: 9014 - Cyanide (Continued)

Lab Sample ID: 180-35818-43MSD
Matrix: Solid
Analysis Batch: 115822

Client Sample ID: SSHS-B75-2-6 (3)
Prep Type: Total/NA
Prep Batch: 115799

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		5.60	5.50		mg/Kg	☼	98	75 - 125	0	20

Lab Sample ID: MB 180-115800/4-A
Matrix: Solid
Analysis Batch: 115822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115800

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.15	mg/Kg		08/23/14 09:00	08/23/14 11:00	1

Lab Sample ID: HLCS 180-115800/2-A
Matrix: Solid
Analysis Batch: 115822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115800

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.233		mg/Kg		93	90 - 110

Lab Sample ID: LCS 180-115800/3-A
Matrix: Solid
Analysis Batch: 115822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115800

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	101	93.2		mg/Kg		92	38 - 162

Lab Sample ID: LLCS 180-115800/1-A
Matrix: Solid
Analysis Batch: 115822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115800

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0481		mg/Kg		96	90 - 110

Lab Sample ID: 180-35818-69 MS
Matrix: Solid
Analysis Batch: 115822

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 115800

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		5.37	5.17		mg/Kg	☼	96	75 - 125

Lab Sample ID: 180-35818-69 MSD
Matrix: Solid
Analysis Batch: 115822

Client Sample ID: SSHS-B79-2-6 (4.5)
Prep Type: Total/NA
Prep Batch: 115800

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		5.48	5.34		mg/Kg	☼	97	75 - 125	3	20

Lab Sample ID: MB 180-115921/4-A
Matrix: Solid
Analysis Batch: 115970

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115921

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.171	J	0.50	0.15	mg/Kg		08/25/14 10:00	08/25/14 14:03	1

QC Sample Results

Lab Sample ID: HLCS 180-115921/2-A
Matrix: Solid
Analysis Batch: 115970

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115921

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.246		mg/Kg		98	90 - 110

Lab Sample ID: LCS 180-115921/3-A
Matrix: Solid
Analysis Batch: 115970

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115921

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	101	88.1		mg/Kg		87	38 - 162

Lab Sample ID: LLCS 180-115921/1-A
Matrix: Solid
Analysis Batch: 115970

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115921

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0482		mg/Kg		96	90 - 110

Lab Sample ID: 180-35818-61 MS
Matrix: Solid
Analysis Batch: 115970

Client Sample ID: SSHS-B70-2-6 (3.5)
Prep Type: Total/NA
Prep Batch: 115921

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.20	J B	5.40	5.85		mg/Kg	☼	105	75 - 125

Lab Sample ID: MB 180-116102/4-A
Matrix: Solid
Analysis Batch: 116257

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116102

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.15	mg/Kg		08/27/14 07:00	08/27/14 09:53	1

Lab Sample ID: HLCS 180-116102/2-A
Matrix: Solid
Analysis Batch: 116257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116102

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.250		mg/Kg		100	90 - 110

Lab Sample ID: LCS 180-116102/3-A
Matrix: Solid
Analysis Batch: 116257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116102

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	101	98.6		mg/Kg		98	38 - 162

Lab Sample ID: LLCS 180-116102/1-A
Matrix: Solid
Analysis Batch: 116257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116102

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0525		mg/Kg		105	90 - 110

QC Sample Results

Method: 9014 - Cyanide (Continued)

Lab Sample ID: MB 180-116219/4-A
Matrix: Water
Analysis Batch: 116257

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116219

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	8.83	J	10	3.2	ug/L		08/27/14 12:00	08/27/14 14:12	1

Lab Sample ID: HLCS 180-116219/2-A
Matrix: Water
Analysis Batch: 116257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116219

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	250	239		ug/L		95	90 - 110

Lab Sample ID: LCS 180-116219/3-A
Matrix: Water
Analysis Batch: 116257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116219

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	200	195		ug/L		98	85 - 115

Lab Sample ID: LLCS 180-116219/1-A
Matrix: Water
Analysis Batch: 116257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116219

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	50.0	49.6		ug/L		99	90 - 110

QC Association Summary

GC/MS VOA

Analysis Batch: 115162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-43	SSHS-B75-2-6 (3)	Total/NA	Solid	8260C	115168
180-35818-43MS	SSHS-B75-2-6 (3)	Total/NA	Solid	8260C	115168
180-35818-43MSD	SSHS-B75-2-6 (3)	Total/NA	Solid	8260C	115168
LCS 180-115168/2-A	Lab Control Sample	Total/NA	Solid	8260C	115168
MB 180-115168/1-A	Method Blank	Total/NA	Solid	8260C	115168

Prep Batch: 115168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-43	SSHS-B75-2-6 (3)	Total/NA	Solid	5035	
180-35818-43MS	SSHS-B75-2-6 (3)	Total/NA	Solid	5035	
180-35818-43MSD	SSHS-B75-2-6 (3)	Total/NA	Solid	5035	
LCS 180-115168/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-115168/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-69	SSHS-B79-2-6 (4.5)	Total/NA	Solid	8260C	115346
180-35818-69 MS	SSHS-B79-2-6 (4.5)	Total/NA	Solid	8260C	115346
180-35818-69 MSD	SSHS-B79-2-6 (4.5)	Total/NA	Solid	8260C	115346
LCS 180-115346/2-A	Lab Control Sample	Total/NA	Solid	8260C	115346
MB 180-115346/1-A	Method Blank	Total/NA	Solid	8260C	115346

Prep Batch: 115346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-69	SSHS-B79-2-6 (4.5)	Total/NA	Solid	5035	
180-35818-69 MS	SSHS-B79-2-6 (4.5)	Total/NA	Solid	5035	
180-35818-69 MSD	SSHS-B79-2-6 (4.5)	Total/NA	Solid	5035	
LCS 180-115346/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-115346/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-41	SSHS-B75-SS	Total/NA	Solid	8260C	115538
180-35818-44	SSHS-B75-6-10 (8)	Total/NA	Solid	8260C	115538
LCS 180-115538/2-A	Lab Control Sample	Total/NA	Solid	8260C	115538
MB 180-115538/1-A	Method Blank	Total/NA	Solid	8260C	115538

Prep Batch: 115538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-41	SSHS-B75-SS	Total/NA	Solid	5035	
180-35818-44	SSHS-B75-6-10 (8)	Total/NA	Solid	5035	
LCS 180-115538/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-115538/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-42	SSHS-B75-0.17-2 (1.5)	Total/NA	Solid	8260C	115669
180-35818-45	SSHS-B75-10-15 (12.5)	Total/NA	Solid	8260C	115669
180-35818-46	SSHS-B64-0.17-2 (1)	Total/NA	Solid	8260C	115669
180-35818-47	SSHS-B64-4-6 (5)	Total/NA	Solid	8260C	115669
180-35818-48	SSHS-B64-6-9 (9)	Total/NA	Solid	8260C	115669

GC/MS VOA (Continued)

Analysis Batch: 115665 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-49	SSHS-B64-10-12 (11)	Total/NA	Solid	8260C	115669
180-35818-50	SSHS-B101-0.17-2 (1)	Total/NA	Solid	8260C	115669
180-35818-51	SSHS-B101-3-6 (4)	Total/NA	Solid	8260C	115669
180-35818-52	SSHS-B101-8-10 (9)	Total/NA	Solid	8260C	115669
180-35818-53	SSHS-B101-12-15.5R (15)	Total/NA	Solid	8260C	115669
180-35818-55	SSHS-B26-A-0.17-2 (0.5)	Total/NA	Solid	8260C	115669
180-35818-56	SSHS-B26-A-2-6 (2)	Total/NA	Solid	8260C	115669
180-35818-57	SSHS-B26-A-6-8 (7)	Total/NA	Solid	8260C	115669
180-35818-58	SSHS-B26-A-13.5-15.5 (15)	Total/NA	Solid	8260C	115669
180-35818-59	SSHS-B70-SS	Total/NA	Solid	8260C	115669
180-35818-61	SSHS-B70-2-6 (3.5)	Total/NA	Solid	8260C	115669
LCS 180-115669/2-A	Lab Control Sample	Total/NA	Solid	8260C	115669
MB 180-115669/1-A	Method Blank	Total/NA	Solid	8260C	115669

Prep Batch: 115669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-42	SSHS-B75-0.17-2 (1.5)	Total/NA	Solid	5035	
180-35818-45	SSHS-B75-10-15 (12.5)	Total/NA	Solid	5035	
180-35818-46	SSHS-B64-0.17-2 (1)	Total/NA	Solid	5035	
180-35818-47	SSHS-B64-4-6 (5)	Total/NA	Solid	5035	
180-35818-48	SSHS-B64-6-9 (9)	Total/NA	Solid	5035	
180-35818-49	SSHS-B64-10-12 (11)	Total/NA	Solid	5035	
180-35818-50	SSHS-B101-0.17-2 (1)	Total/NA	Solid	5035	
180-35818-51	SSHS-B101-3-6 (4)	Total/NA	Solid	5035	
180-35818-52	SSHS-B101-8-10 (9)	Total/NA	Solid	5035	
180-35818-53	SSHS-B101-12-15.5R (15)	Total/NA	Solid	5035	
180-35818-55	SSHS-B26-A-0.17-2 (0.5)	Total/NA	Solid	5035	
180-35818-56	SSHS-B26-A-2-6 (2)	Total/NA	Solid	5035	
180-35818-57	SSHS-B26-A-6-8 (7)	Total/NA	Solid	5035	
180-35818-58	SSHS-B26-A-13.5-15.5 (15)	Total/NA	Solid	5035	
180-35818-59	SSHS-B70-SS	Total/NA	Solid	5035	
180-35818-61	SSHS-B70-2-6 (3.5)	Total/NA	Solid	5035	
LCS 180-115669/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-115669/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-62	SSHS-B70-6-10 (7.5)	Total/NA	Solid	8260C	115716
180-35818-63	SSHS-B70-10-14 (12.5)	Total/NA	Solid	8260C	115716
180-35818-64	SSHS-B80-0.17-2 (1)	Total/NA	Solid	8260C	115716
180-35818-65	SSHS-B80-2-6 (5)	Total/NA	Solid	8260C	115716
180-35818-66	SSHS-B80-6-10 (8)	Total/NA	Solid	8260C	115716
180-35818-67	SSHS-B80-10-14.5 (12.5)	Total/NA	Solid	8260C	115716
180-35818-68	SSHS-B79-0.17-2 (1)	Total/NA	Solid	8260C	115716
180-35818-70	SSHS-B79-6-10 (8)	Total/NA	Solid	8260C	115716
180-35818-71	SSHS-B79-10-15 (12.5)	Total/NA	Solid	8260C	115716
180-35818-72	SSHS-B78-0.17-2 (1.5)	Total/NA	Solid	8260C	115716
LCS 180-115716/2-A	Lab Control Sample	Total/NA	Solid	8260C	115716
LCSD 180-115716/3-A	Lab Control Sample Dup	Total/NA	Solid	8260C	115716
MB 180-115716/1-A	Method Blank	Total/NA	Solid	8260C	115716

GC/MS VOA (Continued)

Prep Batch: 115716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-62	SSHS-B70-6-10 (7.5)	Total/NA	Solid	5035	
180-35818-63	SSHS-B70-10-14 (12.5)	Total/NA	Solid	5035	
180-35818-64	SSHS-B80-0.17-2 (1)	Total/NA	Solid	5035	
180-35818-65	SSHS-B80-2-6 (5)	Total/NA	Solid	5035	
180-35818-66	SSHS-B80-6-10 (8)	Total/NA	Solid	5035	
180-35818-67	SSHS-B80-10-14.5 (12.5)	Total/NA	Solid	5035	
180-35818-68	SSHS-B79-0.17-2 (1)	Total/NA	Solid	5035	
180-35818-70	SSHS-B79-6-10 (8)	Total/NA	Solid	5035	
180-35818-71	SSHS-B79-10-15 (12.5)	Total/NA	Solid	5035	
180-35818-72	SSHS-B78-0.17-2 (1.5)	Total/NA	Solid	5035	
LCS 180-115716/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 180-115716/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 180-115716/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-60	SSHS-B70-0.17-2 (1)	Total/NA	Solid	8260C	115779
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	8260C	115779
180-35818-76	DUP-12	Total/NA	Solid	8260C	115779
180-35818-77	DUP-13	Total/NA	Solid	8260C	115779
180-35818-78	DUP-14	Total/NA	Solid	8260C	115779
180-35818-79	DUP-15	Total/NA	Solid	8260C	115779
180-35818-80	DUP-16	Total/NA	Solid	8260C	115779
180-35818-81	DUP-17	Total/NA	Solid	8260C	115779
180-35818-82	DUP-18	Total/NA	Solid	8260C	115779
180-35818-83	DUP-19	Total/NA	Solid	8260C	115779
LCS 180-115779/2-A	Lab Control Sample	Total/NA	Solid	8260C	115779
LCSD 180-115779/3-A	Lab Control Sample Dup	Total/NA	Solid	8260C	115779
MB 180-115779/1-A	Method Blank	Total/NA	Solid	8260C	115779

Prep Batch: 115779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-60	SSHS-B70-0.17-2 (1)	Total/NA	Solid	5035	
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	5035	
180-35818-76	DUP-12	Total/NA	Solid	5035	
180-35818-77	DUP-13	Total/NA	Solid	5035	
180-35818-78	DUP-14	Total/NA	Solid	5035	
180-35818-79	DUP-15	Total/NA	Solid	5035	
180-35818-80	DUP-16	Total/NA	Solid	5035	
180-35818-81	DUP-17	Total/NA	Solid	5035	
180-35818-82	DUP-18	Total/NA	Solid	5035	
180-35818-83	DUP-19	Total/NA	Solid	5035	
LCS 180-115779/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 180-115779/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 180-115779/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-84	SSHS-B26-A-GW-18-22	Total/NA	Water	8260C	
180-35818-84 MS	SSHS-B26-A-GW-18-22	Total/NA	Water	8260C	
180-35818-84 MSD	SSHS-B26-A-GW-18-22	Total/NA	Water	8260C	

GC/MS VOA (Continued)

Analysis Batch: 115838 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-86	TRIP BLANK	Total/NA	Water	8260C	
LCS 180-115838/10	Lab Control Sample	Total/NA	Water	8260C	
MB 180-115838/6	Method Blank	Total/NA	Water	8260C	

Prep Batch: 115842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-54	SSHS-B26-A-SS	Total/NA	Solid	5035	
LCS 180-115842/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 180-115842/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 180-115842/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-73	SSHS-B78-2-6 (3.5)	Total/NA	Solid	8260C	115874
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	8260C	115874
LCS 180-115874/2-A	Lab Control Sample	Total/NA	Solid	8260C	115874
LCSD 180-115874/3-A	Lab Control Sample Dup	Total/NA	Solid	8260C	115874
MB 180-115874/1-A	Method Blank	Total/NA	Solid	8260C	115874

Prep Batch: 115874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-73	SSHS-B78-2-6 (3.5)	Total/NA	Solid	5035	
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	5035	
LCS 180-115874/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 180-115874/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 180-115874/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-54	SSHS-B26-A-SS	Total/NA	Solid	8260C	115842
LCS 180-115842/2-A	Lab Control Sample	Total/NA	Solid	8260C	115842
LCSD 180-115842/3-A	Lab Control Sample Dup	Total/NA	Solid	8260C	115842
MB 180-115842/1-A	Method Blank	Total/NA	Solid	8260C	115842

Analysis Batch: 115910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-85	20140814-EQUIPMENT BLANK- SOIL	Total/NA	Water	8260C	
LCS 180-115910/8	Lab Control Sample	Total/NA	Water	8260C	
MB 180-115910/5	Method Blank	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 115091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-84	SSHS-B26-A-GW-18-22	Total/NA	Water	3520C	
180-35818-84 MS	SSHS-B26-A-GW-18-22	Total/NA	Water	3520C	
180-35818-84 MSD	SSHS-B26-A-GW-18-22	Total/NA	Water	3520C	
LCS 180-115091/2-A	Lab Control Sample	Total/NA	Water	3520C	
MB 180-115091/1-A	Method Blank	Total/NA	Water	3520C	

GC/MS Semi VOA (Continued)

Analysis Batch: 115542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-84	SSHS-B26-A-GW-18-22	Total/NA	Water	8270D LL	115091
180-35818-84 MS	SSHS-B26-A-GW-18-22	Total/NA	Water	8270D LL	115091
180-35818-84 MSD	SSHS-B26-A-GW-18-22	Total/NA	Water	8270D LL	115091
LCS 180-115091/2-A	Lab Control Sample	Total/NA	Water	8270D LL	115091
MB 180-115091/1-A	Method Blank	Total/NA	Water	8270D LL	115091

Prep Batch: 115557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-85	20140814-EQUIPMENT BLANK- SOIL	Total/NA	Water	3520C	
LCS 180-115557/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 180-115557/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 180-115557/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 115899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-85	20140814-EQUIPMENT BLANK- SOIL	Total/NA	Water	8270D LL	115557
LCS 180-115557/2-A	Lab Control Sample	Total/NA	Water	8270D LL	115557
LCSD 180-115557/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	115557
MB 180-115557/1-A	Method Blank	Total/NA	Water	8270D LL	115557

Prep Batch: 116222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-41	SSHS-B75-SS	Total/NA	Solid	3541	
180-35818-42	SSHS-B75-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35818-43	SSHS-B75-2-6 (3)	Total/NA	Solid	3541	
180-35818-43MS	SSHS-B75-2-6 (3)	Total/NA	Solid	3541	
180-35818-43MSD	SSHS-B75-2-6 (3)	Total/NA	Solid	3541	
180-35818-44	SSHS-B75-6-10 (8)	Total/NA	Solid	3541	
180-35818-45	SSHS-B75-10-15 (12.5)	Total/NA	Solid	3541	
180-35818-46	SSHS-B64-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-47	SSHS-B64-4-6 (5)	Total/NA	Solid	3541	
180-35818-48	SSHS-B64-6-9 (9)	Total/NA	Solid	3541	
180-35818-49	SSHS-B64-10-12 (11)	Total/NA	Solid	3541	
180-35818-50	SSHS-B101-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-51	SSHS-B101-3-6 (4)	Total/NA	Solid	3541	
180-35818-52	SSHS-B101-8-10 (9)	Total/NA	Solid	3541	
180-35818-53	SSHS-B101-12-15.5R (15)	Total/NA	Solid	3541	
180-35818-54	SSHS-B26-A-SS	Total/NA	Solid	3541	
180-35818-55	SSHS-B26-A-0.17-2 (0.5)	Total/NA	Solid	3541	
180-35818-56	SSHS-B26-A-2-6 (2)	Total/NA	Solid	3541	
180-35818-57	SSHS-B26-A-6-8 (7)	Total/NA	Solid	3541	
180-35818-58	SSHS-B26-A-13.5-15.5 (15)	Total/NA	Solid	3541	
180-35818-59	SSHS-B70-SS	Total/NA	Solid	3541	
180-35818-60	SSHS-B70-0.17-2 (1)	Total/NA	Solid	3541	
LCS 180-116222/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-116222/1-A	Method Blank	Total/NA	Solid	3541	

Prep Batch: 116244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-61	SSHS-B70-2-6 (3.5)	Total/NA	Solid	3541	
180-35818-62 - DL	SSHS-B70-6-10 (7.5)	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 116244 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-62	SSHS-B70-6-10 (7.5)	Total/NA	Solid	3541	
180-35818-63	SSHS-B70-10-14 (12.5)	Total/NA	Solid	3541	
180-35818-64	SSHS-B80-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-65	SSHS-B80-2-6 (5)	Total/NA	Solid	3541	
180-35818-66	SSHS-B80-6-10 (8)	Total/NA	Solid	3541	
180-35818-67	SSHS-B80-10-14.5 (12.5)	Total/NA	Solid	3541	
180-35818-68	SSHS-B79-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-69	SSHS-B79-2-6 (4.5)	Total/NA	Solid	3541	
180-35818-69 MS	SSHS-B79-2-6 (4.5)	Total/NA	Solid	3541	
180-35818-69 MSD	SSHS-B79-2-6 (4.5)	Total/NA	Solid	3541	
180-35818-70	SSHS-B79-6-10 (8)	Total/NA	Solid	3541	
180-35818-71	SSHS-B79-10-15 (12.5)	Total/NA	Solid	3541	
180-35818-72	SSHS-B78-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35818-73	SSHS-B78-2-6 (3.5)	Total/NA	Solid	3541	
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	3541	
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	3541	
180-35818-76	DUP-12	Total/NA	Solid	3541	
180-35818-77	DUP-13	Total/NA	Solid	3541	
180-35818-78	DUP-14	Total/NA	Solid	3541	
180-35818-79	DUP-15	Total/NA	Solid	3541	
180-35818-80	DUP-16	Total/NA	Solid	3541	
LCS 180-116244/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-116244/1-A	Method Blank	Total/NA	Solid	3541	

Prep Batch: 116269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-81	DUP-17	Total/NA	Solid	3541	
180-35818-81 MS	DUP-17	Total/NA	Solid	3541	
180-35818-81 MSD	DUP-17	Total/NA	Solid	3541	
180-35818-82	DUP-18	Total/NA	Solid	3541	
180-35818-83	DUP-19	Total/NA	Solid	3541	
LCS 180-116269/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-116269/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 116372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-41	SSHS-B75-SS	Total/NA	Solid	8270D	116222
180-35818-42	SSHS-B75-0.17-2 (1.5)	Total/NA	Solid	8270D	116222
180-35818-43	SSHS-B75-2-6 (3)	Total/NA	Solid	8270D	116222
180-35818-43MS	SSHS-B75-2-6 (3)	Total/NA	Solid	8270D	116222
180-35818-43MSD	SSHS-B75-2-6 (3)	Total/NA	Solid	8270D	116222
180-35818-44	SSHS-B75-6-10 (8)	Total/NA	Solid	8270D	116222
180-35818-45	SSHS-B75-10-15 (12.5)	Total/NA	Solid	8270D	116222
180-35818-46	SSHS-B64-0.17-2 (1)	Total/NA	Solid	8270D	116222
180-35818-47	SSHS-B64-4-6 (5)	Total/NA	Solid	8270D	116222
180-35818-48	SSHS-B64-6-9 (9)	Total/NA	Solid	8270D	116222
180-35818-49	SSHS-B64-10-12 (11)	Total/NA	Solid	8270D	116222
180-35818-50	SSHS-B101-0.17-2 (1)	Total/NA	Solid	8270D	116222
180-35818-51	SSHS-B101-3-6 (4)	Total/NA	Solid	8270D	116222
180-35818-52	SSHS-B101-8-10 (9)	Total/NA	Solid	8270D	116222
180-35818-53	SSHS-B101-12-15.5R (15)	Total/NA	Solid	8270D	116222

GC/MS Semi VOA (Continued)

Analysis Batch: 116372 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-54	SSHS-B26-A-SS	Total/NA	Solid	8270D	116222
180-35818-55	SSHS-B26-A-0.17-2 (0.5)	Total/NA	Solid	8270D	116222
180-35818-56	SSHS-B26-A-2-6 (2)	Total/NA	Solid	8270D	116222
180-35818-57	SSHS-B26-A-6-8 (7)	Total/NA	Solid	8270D	116222
180-35818-58	SSHS-B26-A-13.5-15.5 (15)	Total/NA	Solid	8270D	116222
180-35818-59	SSHS-B70-SS	Total/NA	Solid	8270D	116222
180-35818-60	SSHS-B70-0.17-2 (1)	Total/NA	Solid	8270D	116222
LCS 180-116222/2-A	Lab Control Sample	Total/NA	Solid	8270D	116222
MB 180-116222/1-A	Method Blank	Total/NA	Solid	8270D	116222

Analysis Batch: 116405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-61	SSHS-B70-2-6 (3.5)	Total/NA	Solid	8270D	116244
180-35818-62	SSHS-B70-6-10 (7.5)	Total/NA	Solid	8270D	116244
180-35818-63	SSHS-B70-10-14 (12.5)	Total/NA	Solid	8270D	116244
180-35818-64	SSHS-B80-0.17-2 (1)	Total/NA	Solid	8270D	116244
180-35818-65	SSHS-B80-2-6 (5)	Total/NA	Solid	8270D	116244
180-35818-66	SSHS-B80-6-10 (8)	Total/NA	Solid	8270D	116244
180-35818-67	SSHS-B80-10-14.5 (12.5)	Total/NA	Solid	8270D	116244
180-35818-68	SSHS-B79-0.17-2 (1)	Total/NA	Solid	8270D	116244
180-35818-69	SSHS-B79-2-6 (4.5)	Total/NA	Solid	8270D	116244
180-35818-69 MS	SSHS-B79-2-6 (4.5)	Total/NA	Solid	8270D	116244
180-35818-69 MSD	SSHS-B79-2-6 (4.5)	Total/NA	Solid	8270D	116244
180-35818-70	SSHS-B79-6-10 (8)	Total/NA	Solid	8270D	116244
180-35818-71	SSHS-B79-10-15 (12.5)	Total/NA	Solid	8270D	116244
180-35818-72	SSHS-B78-0.17-2 (1.5)	Total/NA	Solid	8270D	116244
180-35818-73	SSHS-B78-2-6 (3.5)	Total/NA	Solid	8270D	116244
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	8270D	116244
180-35818-76	DUP-12	Total/NA	Solid	8270D	116244
180-35818-77	DUP-13	Total/NA	Solid	8270D	116244
180-35818-78	DUP-14	Total/NA	Solid	8270D	116244
180-35818-79	DUP-15	Total/NA	Solid	8270D	116244
180-35818-80	DUP-16	Total/NA	Solid	8270D	116244
LCS 180-116244/2-A	Lab Control Sample	Total/NA	Solid	8270D	116244
MB 180-116244/1-A	Method Blank	Total/NA	Solid	8270D	116244

Analysis Batch: 116444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-81	DUP-17	Total/NA	Solid	8270D	116269
180-35818-81 MS	DUP-17	Total/NA	Solid	8270D	116269
180-35818-81 MSD	DUP-17	Total/NA	Solid	8270D	116269
180-35818-82	DUP-18	Total/NA	Solid	8270D	116269
180-35818-83	DUP-19	Total/NA	Solid	8270D	116269
LCS 180-116269/2-A	Lab Control Sample	Total/NA	Solid	8270D	116269
MB 180-116269/1-A	Method Blank	Total/NA	Solid	8270D	116269

Analysis Batch: 116523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-62 - DL	SSHS-B70-6-10 (7.5)	Total/NA	Solid	8270D	116244
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	8270D	116244

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35818-2

GC VOA

Analysis Batch: 143606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-84	SSHS-B26-A-GW-18-22	Total/NA	Water	8015D	
180-35818-84 MS	SSHS-B26-A-GW-18-22	Total/NA	Water	8015D	
180-35818-84 MSD	SSHS-B26-A-GW-18-22	Total/NA	Water	8015D	
LCS 240-143606/6	Lab Control Sample	Total/NA	Water	8015D	
MB 240-143606/5	Method Blank	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 115137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-85	20140814-EQUIPMENT BLANK- SOIL	Total/NA	Water	3510C	
LCS 180-115137/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 180-115137/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 180-115137/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 180-115137/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 180-115137/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 115424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-85	20140814-EQUIPMENT BLANK- SOIL	Total/NA	Water	8081B_LL	115137
LCS 180-115137/2-A	Lab Control Sample	Total/NA	Water	8081B_LL	115137
LCSD 180-115137/3-A	Lab Control Sample Dup	Total/NA	Water	8081B_LL	115137
MB 180-115137/1-A	Method Blank	Total/NA	Water	8081B_LL	115137

Analysis Batch: 115456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-85	20140814-EQUIPMENT BLANK- SOIL	Total/NA	Water	8082A	115137
LCS 180-115137/4-A	Lab Control Sample	Total/NA	Water	8082A	115137
LCSD 180-115137/5-A	Lab Control Sample Dup	Total/NA	Water	8082A	115137
MB 180-115137/1-A	Method Blank	Total/NA	Water	8082A	115137

Prep Batch: 116128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-41	SSHS-B75-SS	Total/NA	Solid	3541	
180-35818-42	SSHS-B75-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35818-43	SSHS-B75-2-6 (3)	Total/NA	Solid	3541	
180-35818-43MS	SSHS-B75-2-6 (3)	Total/NA	Solid	3541	
180-35818-43MS	SSHS-B75-2-6 (3)	Total/NA	Solid	3541	
180-35818-43MSD	SSHS-B75-2-6 (3)	Total/NA	Solid	3541	
180-35818-43MSD	SSHS-B75-2-6 (3)	Total/NA	Solid	3541	
180-35818-44	SSHS-B75-6-10 (8)	Total/NA	Solid	3541	
180-35818-45	SSHS-B75-10-15 (12.5)	Total/NA	Solid	3541	
180-35818-46	SSHS-B64-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-47	SSHS-B64-4-6 (5)	Total/NA	Solid	3541	
180-35818-48	SSHS-B64-6-9 (9)	Total/NA	Solid	3541	
180-35818-49	SSHS-B64-10-12 (11)	Total/NA	Solid	3541	
180-35818-50	SSHS-B101-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-51	SSHS-B101-3-6 (4)	Total/NA	Solid	3541	
180-35818-52	SSHS-B101-8-10 (9)	Total/NA	Solid	3541	
180-35818-53	SSHS-B101-12-15.5R (15)	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 116128 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-54	SSHS-B26-A-SS	Total/NA	Solid	3541	
180-35818-55	SSHS-B26-A-0.17-2 (0.5)	Total/NA	Solid	3541	
180-35818-56	SSHS-B26-A-2-6 (2)	Total/NA	Solid	3541	
180-35818-57	SSHS-B26-A-6-8 (7)	Total/NA	Solid	3541	
LCS 180-116128/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCS 180-116128/3-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-116128/1-A	Method Blank	Total/NA	Solid	3541	
MB 180-116128/1-C	Method Blank	Total/NA	Solid	3541	

Prep Batch: 116262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-58	SSHS-B26-A-13.5-15.5 (15)	Total/NA	Solid	3541	
180-35818-59	SSHS-B70-SS	Total/NA	Solid	3541	
180-35818-60	SSHS-B70-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-61	SSHS-B70-2-6 (3.5)	Total/NA	Solid	3541	
180-35818-62	SSHS-B70-6-10 (7.5)	Total/NA	Solid	3541	
180-35818-62 - DL	SSHS-B70-6-10 (7.5)	Total/NA	Solid	3541	
180-35818-63	SSHS-B70-10-14 (12.5)	Total/NA	Solid	3541	
180-35818-64	SSHS-B80-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-65	SSHS-B80-2-6 (5)	Total/NA	Solid	3541	
180-35818-66	SSHS-B80-6-10 (8)	Total/NA	Solid	3541	
180-35818-67	SSHS-B80-10-14.5 (12.5)	Total/NA	Solid	3541	
180-35818-68	SSHS-B79-0.17-2 (1)	Total/NA	Solid	3541	
180-35818-69	SSHS-B79-2-6 (4.5)	Total/NA	Solid	3541	
180-35818-69 MS	SSHS-B79-2-6 (4.5)	Total/NA	Solid	3541	
180-35818-69 MS	SSHS-B79-2-6 (4.5)	Total/NA	Solid	3541	
180-35818-69 MSD	SSHS-B79-2-6 (4.5)	Total/NA	Solid	3541	
180-35818-69 MSD	SSHS-B79-2-6 (4.5)	Total/NA	Solid	3541	
180-35818-70	SSHS-B79-6-10 (8)	Total/NA	Solid	3541	
180-35818-71	SSHS-B79-10-15 (12.5)	Total/NA	Solid	3541	
180-35818-72	SSHS-B78-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35818-73	SSHS-B78-2-6 (3.5)	Total/NA	Solid	3541	
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	3541	
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	3541	
180-35818-76	DUP-12	Total/NA	Solid	3541	
180-35818-77	DUP-13	Total/NA	Solid	3541	
LCS 180-116262/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCS 180-116262/5-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-116262/1-A	Method Blank	Total/NA	Solid	3541	
MB 180-116262/1-C	Method Blank	Total/NA	Solid	3541	

Prep Batch: 116270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-78	DUP-14	Total/NA	Solid	3541	
180-35818-78 MS	DUP-14	Total/NA	Solid	3541	
180-35818-78 MS	DUP-14	Total/NA	Solid	3541	
180-35818-78 MSD	DUP-14	Total/NA	Solid	3541	
180-35818-78 MSD	DUP-14	Total/NA	Solid	3541	
180-35818-79	DUP-15	Total/NA	Solid	3541	
180-35818-80	DUP-16	Total/NA	Solid	3541	
180-35818-81	DUP-17	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 116270 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-82	DUP-18	Total/NA	Solid	3541	
180-35818-82 - DL	DUP-18	Total/NA	Solid	3541	
180-35818-83	DUP-19	Total/NA	Solid	3541	
LCS 180-116270/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCS 180-116270/5-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-116270/1-A	Method Blank	Total/NA	Solid	3541	
MB 180-116270/1-C	Method Blank	Total/NA	Solid	3541	

Cleanup Batch: 116291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-41	SSHS-B75-SS	Total/NA	Solid	3665A	116128
180-35818-42	SSHS-B75-0.17-2 (1.5)	Total/NA	Solid	3665A	116128
180-35818-43	SSHS-B75-2-6 (3)	Total/NA	Solid	3665A	116128
180-35818-43MS	SSHS-B75-2-6 (3)	Total/NA	Solid	3665A	116128
180-35818-43MSD	SSHS-B75-2-6 (3)	Total/NA	Solid	3665A	116128
180-35818-44	SSHS-B75-6-10 (8)	Total/NA	Solid	3665A	116128
180-35818-45	SSHS-B75-10-15 (12.5)	Total/NA	Solid	3665A	116128
180-35818-46	SSHS-B64-0.17-2 (1)	Total/NA	Solid	3665A	116128
180-35818-47	SSHS-B64-4-6 (5)	Total/NA	Solid	3665A	116128
180-35818-48	SSHS-B64-6-9 (9)	Total/NA	Solid	3665A	116128
180-35818-49	SSHS-B64-10-12 (11)	Total/NA	Solid	3665A	116128
180-35818-50	SSHS-B101-0.17-2 (1)	Total/NA	Solid	3665A	116128
180-35818-51	SSHS-B101-3-6 (4)	Total/NA	Solid	3665A	116128
180-35818-52	SSHS-B101-8-10 (9)	Total/NA	Solid	3665A	116128
180-35818-53	SSHS-B101-12-15.5R (15)	Total/NA	Solid	3665A	116128
180-35818-54	SSHS-B26-A-SS	Total/NA	Solid	3665A	116128
180-35818-55	SSHS-B26-A-0.17-2 (0.5)	Total/NA	Solid	3665A	116128
180-35818-56	SSHS-B26-A-2-6 (2)	Total/NA	Solid	3665A	116128
180-35818-57	SSHS-B26-A-6-8 (7)	Total/NA	Solid	3665A	116128
LCS 180-116128/3-C	Lab Control Sample	Total/NA	Solid	3665A	116128
MB 180-116128/1-C	Method Blank	Total/NA	Solid	3665A	116128

Cleanup Batch: 116292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-41	SSHS-B75-SS	Total/NA	Solid	3660B	116291
180-35818-42	SSHS-B75-0.17-2 (1.5)	Total/NA	Solid	3660B	116291
180-35818-43	SSHS-B75-2-6 (3)	Total/NA	Solid	3660B	116291
180-35818-43MS	SSHS-B75-2-6 (3)	Total/NA	Solid	3660B	116291
180-35818-43MSD	SSHS-B75-2-6 (3)	Total/NA	Solid	3660B	116291
180-35818-44	SSHS-B75-6-10 (8)	Total/NA	Solid	3660B	116291
180-35818-45	SSHS-B75-10-15 (12.5)	Total/NA	Solid	3660B	116291
180-35818-46	SSHS-B64-0.17-2 (1)	Total/NA	Solid	3660B	116291
180-35818-47	SSHS-B64-4-6 (5)	Total/NA	Solid	3660B	116291
180-35818-48	SSHS-B64-6-9 (9)	Total/NA	Solid	3660B	116291
180-35818-49	SSHS-B64-10-12 (11)	Total/NA	Solid	3660B	116291
180-35818-50	SSHS-B101-0.17-2 (1)	Total/NA	Solid	3660B	116291
180-35818-51	SSHS-B101-3-6 (4)	Total/NA	Solid	3660B	116291
180-35818-52	SSHS-B101-8-10 (9)	Total/NA	Solid	3660B	116291
180-35818-53	SSHS-B101-12-15.5R (15)	Total/NA	Solid	3660B	116291
180-35818-54	SSHS-B26-A-SS	Total/NA	Solid	3660B	116291
180-35818-55	SSHS-B26-A-0.17-2 (0.5)	Total/NA	Solid	3660B	116291

GC Semi VOA (Continued)

Cleanup Batch: 116292 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-56	SSHS-B26-A-2-6 (2)	Total/NA	Solid	3660B	116291
180-35818-57	SSHS-B26-A-6-8 (7)	Total/NA	Solid	3660B	116291
LCS 180-116128/3-C	Lab Control Sample	Total/NA	Solid	3660B	116291
MB 180-116128/1-C	Method Blank	Total/NA	Solid	3660B	116291

Analysis Batch: 116355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-41	SSHS-B75-SS	Total/NA	Solid	8081B	116128
180-35818-42	SSHS-B75-0.17-2 (1.5)	Total/NA	Solid	8081B	116128
180-35818-43	SSHS-B75-2-6 (3)	Total/NA	Solid	8081B	116128
180-35818-43MS	SSHS-B75-2-6 (3)	Total/NA	Solid	8081B	116128
180-35818-43MSD	SSHS-B75-2-6 (3)	Total/NA	Solid	8081B	116128
180-35818-44	SSHS-B75-6-10 (8)	Total/NA	Solid	8081B	116128
180-35818-45	SSHS-B75-10-15 (12.5)	Total/NA	Solid	8081B	116128
180-35818-46	SSHS-B64-0.17-2 (1)	Total/NA	Solid	8081B	116128
180-35818-47	SSHS-B64-4-6 (5)	Total/NA	Solid	8081B	116128
180-35818-48	SSHS-B64-6-9 (9)	Total/NA	Solid	8081B	116128
180-35818-49	SSHS-B64-10-12 (11)	Total/NA	Solid	8081B	116128
180-35818-50	SSHS-B101-0.17-2 (1)	Total/NA	Solid	8081B	116128
180-35818-51	SSHS-B101-3-6 (4)	Total/NA	Solid	8081B	116128
180-35818-52	SSHS-B101-8-10 (9)	Total/NA	Solid	8081B	116128
180-35818-53	SSHS-B101-12-15.5R (15)	Total/NA	Solid	8081B	116128
180-35818-54	SSHS-B26-A-SS	Total/NA	Solid	8081B	116128
180-35818-55	SSHS-B26-A-0.17-2 (0.5)	Total/NA	Solid	8081B	116128
180-35818-56	SSHS-B26-A-2-6 (2)	Total/NA	Solid	8081B	116128
180-35818-57	SSHS-B26-A-6-8 (7)	Total/NA	Solid	8081B	116128
180-35818-58	SSHS-B26-A-13.5-15.5 (15)	Total/NA	Solid	8081B	116262
180-35818-59	SSHS-B70-SS	Total/NA	Solid	8081B	116262
180-35818-60	SSHS-B70-0.17-2 (1)	Total/NA	Solid	8081B	116262
180-35818-61	SSHS-B70-2-6 (3.5)	Total/NA	Solid	8081B	116262
180-35818-62	SSHS-B70-6-10 (7.5)	Total/NA	Solid	8081B	116262
180-35818-63	SSHS-B70-10-14 (12.5)	Total/NA	Solid	8081B	116262
180-35818-64	SSHS-B80-0.17-2 (1)	Total/NA	Solid	8081B	116262
180-35818-65	SSHS-B80-2-6 (5)	Total/NA	Solid	8081B	116262
180-35818-66	SSHS-B80-6-10 (8)	Total/NA	Solid	8081B	116262
180-35818-67	SSHS-B80-10-14.5 (12.5)	Total/NA	Solid	8081B	116262
180-35818-68	SSHS-B79-0.17-2 (1)	Total/NA	Solid	8081B	116262
180-35818-69	SSHS-B79-2-6 (4.5)	Total/NA	Solid	8081B	116262
180-35818-69 MS	SSHS-B79-2-6 (4.5)	Total/NA	Solid	8081B	116262
180-35818-69 MSD	SSHS-B79-2-6 (4.5)	Total/NA	Solid	8081B	116262
180-35818-70	SSHS-B79-6-10 (8)	Total/NA	Solid	8081B	116262
180-35818-71	SSHS-B79-10-15 (12.5)	Total/NA	Solid	8081B	116262
180-35818-72	SSHS-B78-0.17-2 (1.5)	Total/NA	Solid	8081B	116262
180-35818-73	SSHS-B78-2-6 (3.5)	Total/NA	Solid	8081B	116262
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	8081B	116262
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	8081B	116262
180-35818-76	DUP-12	Total/NA	Solid	8081B	116262
180-35818-77	DUP-13	Total/NA	Solid	8081B	116262
LCS 180-116128/2-A	Lab Control Sample	Total/NA	Solid	8081B	116128
LCS 180-116262/2-A	Lab Control Sample	Total/NA	Solid	8081B	116262
MB 180-116128/1-A	Method Blank	Total/NA	Solid	8081B	116128

GC Semi VOA (Continued)

Analysis Batch: 116355 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-116262/1-A	Method Blank	Total/NA	Solid	8081B	116262

Cleanup Batch: 116366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-58	SSHS-B26-A-13.5-15.5 (15)	Total/NA	Solid	3665A	116262
180-35818-59	SSHS-B70-SS	Total/NA	Solid	3665A	116262
180-35818-60	SSHS-B70-0.17-2 (1)	Total/NA	Solid	3665A	116262
180-35818-61	SSHS-B70-2-6 (3.5)	Total/NA	Solid	3665A	116262
180-35818-62	SSHS-B70-6-10 (7.5)	Total/NA	Solid	3665A	116262
180-35818-63	SSHS-B70-10-14 (12.5)	Total/NA	Solid	3665A	116262
180-35818-64	SSHS-B80-0.17-2 (1)	Total/NA	Solid	3665A	116262
180-35818-65	SSHS-B80-2-6 (5)	Total/NA	Solid	3665A	116262
180-35818-66	SSHS-B80-6-10 (8)	Total/NA	Solid	3665A	116262
180-35818-67	SSHS-B80-10-14.5 (12.5)	Total/NA	Solid	3665A	116262
180-35818-68	SSHS-B79-0.17-2 (1)	Total/NA	Solid	3665A	116262
180-35818-69	SSHS-B79-2-6 (4.5)	Total/NA	Solid	3665A	116262
180-35818-69 MS	SSHS-B79-2-6 (4.5)	Total/NA	Solid	3665A	116262
180-35818-69 MSD	SSHS-B79-2-6 (4.5)	Total/NA	Solid	3665A	116262
180-35818-70	SSHS-B79-6-10 (8)	Total/NA	Solid	3665A	116262
180-35818-71	SSHS-B79-10-15 (12.5)	Total/NA	Solid	3665A	116262
180-35818-72	SSHS-B78-0.17-2 (1.5)	Total/NA	Solid	3665A	116262
180-35818-73	SSHS-B78-2-6 (3.5)	Total/NA	Solid	3665A	116262
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	3665A	116262
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	3665A	116262
180-35818-76	DUP-12	Total/NA	Solid	3665A	116262
180-35818-77	DUP-13	Total/NA	Solid	3665A	116262
LCS 180-116262/5-C	Lab Control Sample	Total/NA	Solid	3665A	116262
MB 180-116262/1-C	Method Blank	Total/NA	Solid	3665A	116262

Cleanup Batch: 116367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-58	SSHS-B26-A-13.5-15.5 (15)	Total/NA	Solid	3660B	116366
180-35818-59	SSHS-B70-SS	Total/NA	Solid	3660B	116366
180-35818-60	SSHS-B70-0.17-2 (1)	Total/NA	Solid	3660B	116366
180-35818-61	SSHS-B70-2-6 (3.5)	Total/NA	Solid	3660B	116366
180-35818-62	SSHS-B70-6-10 (7.5)	Total/NA	Solid	3660B	116366
180-35818-63	SSHS-B70-10-14 (12.5)	Total/NA	Solid	3660B	116366
180-35818-64	SSHS-B80-0.17-2 (1)	Total/NA	Solid	3660B	116366
180-35818-65	SSHS-B80-2-6 (5)	Total/NA	Solid	3660B	116366
180-35818-66	SSHS-B80-6-10 (8)	Total/NA	Solid	3660B	116366
180-35818-67	SSHS-B80-10-14.5 (12.5)	Total/NA	Solid	3660B	116366
180-35818-68	SSHS-B79-0.17-2 (1)	Total/NA	Solid	3660B	116366
180-35818-69	SSHS-B79-2-6 (4.5)	Total/NA	Solid	3660B	116366
180-35818-69 MS	SSHS-B79-2-6 (4.5)	Total/NA	Solid	3660B	116366
180-35818-69 MSD	SSHS-B79-2-6 (4.5)	Total/NA	Solid	3660B	116366
180-35818-70	SSHS-B79-6-10 (8)	Total/NA	Solid	3660B	116366
180-35818-71	SSHS-B79-10-15 (12.5)	Total/NA	Solid	3660B	116366
180-35818-72	SSHS-B78-0.17-2 (1.5)	Total/NA	Solid	3660B	116366
180-35818-73	SSHS-B78-2-6 (3.5)	Total/NA	Solid	3660B	116366
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	3660B	116366
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	3660B	116366

GC Semi VOA (Continued)

Cleanup Batch: 116367 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-76	DUP-12	Total/NA	Solid	3660B	116366
180-35818-77	DUP-13	Total/NA	Solid	3660B	116366
LCS 180-116262/5-C	Lab Control Sample	Total/NA	Solid	3660B	116366
MB 180-116262/1-C	Method Blank	Total/NA	Solid	3660B	116366

Cleanup Batch: 116398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-78	DUP-14	Total/NA	Solid	3665A	116270
180-35818-78 MS	DUP-14	Total/NA	Solid	3665A	116270
180-35818-78 MSD	DUP-14	Total/NA	Solid	3665A	116270
180-35818-79	DUP-15	Total/NA	Solid	3665A	116270
180-35818-80	DUP-16	Total/NA	Solid	3665A	116270
180-35818-81	DUP-17	Total/NA	Solid	3665A	116270
180-35818-82	DUP-18	Total/NA	Solid	3665A	116270
180-35818-83	DUP-19	Total/NA	Solid	3665A	116270
LCS 180-116270/5-C	Lab Control Sample	Total/NA	Solid	3665A	116270
MB 180-116270/1-C	Method Blank	Total/NA	Solid	3665A	116270

Cleanup Batch: 116399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-78	DUP-14	Total/NA	Solid	3660B	116398
180-35818-78 MS	DUP-14	Total/NA	Solid	3660B	116398
180-35818-78 MSD	DUP-14	Total/NA	Solid	3660B	116398
180-35818-79	DUP-15	Total/NA	Solid	3660B	116398
180-35818-80	DUP-16	Total/NA	Solid	3660B	116398
180-35818-81	DUP-17	Total/NA	Solid	3660B	116398
180-35818-82	DUP-18	Total/NA	Solid	3660B	116398
180-35818-83	DUP-19	Total/NA	Solid	3660B	116398
LCS 180-116270/5-C	Lab Control Sample	Total/NA	Solid	3660B	116398
MB 180-116270/1-C	Method Blank	Total/NA	Solid	3660B	116398

Analysis Batch: 116401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-78	DUP-14	Total/NA	Solid	8082A	116399
180-35818-78 MS	DUP-14	Total/NA	Solid	8082A	116399
180-35818-78 MSD	DUP-14	Total/NA	Solid	8082A	116399
180-35818-79	DUP-15	Total/NA	Solid	8082A	116399
180-35818-80	DUP-16	Total/NA	Solid	8082A	116399
180-35818-81	DUP-17	Total/NA	Solid	8082A	116399
180-35818-82	DUP-18	Total/NA	Solid	8082A	116399
180-35818-83	DUP-19	Total/NA	Solid	8082A	116399
LCS 180-116270/5-C	Lab Control Sample	Total/NA	Solid	8082A	116399
MB 180-116270/1-C	Method Blank	Total/NA	Solid	8082A	116399

Analysis Batch: 116403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-78	DUP-14	Total/NA	Solid	8082A	116399
180-35818-78 MS	DUP-14	Total/NA	Solid	8082A	116399
180-35818-78 MSD	DUP-14	Total/NA	Solid	8082A	116399
180-35818-79	DUP-15	Total/NA	Solid	8082A	116399
180-35818-80	DUP-16	Total/NA	Solid	8082A	116399

GC Semi VOA (Continued)

Analysis Batch: 116403 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-81	DUP-17	Total/NA	Solid	8082A	116399
180-35818-82	DUP-18	Total/NA	Solid	8082A	116399
180-35818-83	DUP-19	Total/NA	Solid	8082A	116399
LCS 180-116270/5-C	Lab Control Sample	Total/NA	Solid	8082A	116399
MB 180-116270/1-C	Method Blank	Total/NA	Solid	8082A	116399

Analysis Batch: 116496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-62 - DL	SSHS-B70-6-10 (7.5)	Total/NA	Solid	8081B	116262
180-35818-78	DUP-14	Total/NA	Solid	8081B	116270
180-35818-78 MS	DUP-14	Total/NA	Solid	8081B	116270
180-35818-78 MSD	DUP-14	Total/NA	Solid	8081B	116270
180-35818-79	DUP-15	Total/NA	Solid	8081B	116270
180-35818-80	DUP-16	Total/NA	Solid	8081B	116270
180-35818-81	DUP-17	Total/NA	Solid	8081B	116270
180-35818-82	DUP-18	Total/NA	Solid	8081B	116270
180-35818-83	DUP-19	Total/NA	Solid	8081B	116270
LCS 180-116270/2-A	Lab Control Sample	Total/NA	Solid	8081B	116270
MB 180-116270/1-A	Method Blank	Total/NA	Solid	8081B	116270

Analysis Batch: 116549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-58	SSHS-B26-A-13.5-15.5 (15)	Total/NA	Solid	8082A	116367
180-35818-59	SSHS-B70-SS	Total/NA	Solid	8082A	116367
180-35818-60	SSHS-B70-0.17-2 (1)	Total/NA	Solid	8082A	116367
180-35818-61	SSHS-B70-2-6 (3.5)	Total/NA	Solid	8082A	116367
180-35818-62	SSHS-B70-6-10 (7.5)	Total/NA	Solid	8082A	116367
180-35818-63	SSHS-B70-10-14 (12.5)	Total/NA	Solid	8082A	116367
180-35818-64	SSHS-B80-0.17-2 (1)	Total/NA	Solid	8082A	116367
180-35818-65	SSHS-B80-2-6 (5)	Total/NA	Solid	8082A	116367
180-35818-66	SSHS-B80-6-10 (8)	Total/NA	Solid	8082A	116367
180-35818-67	SSHS-B80-10-14.5 (12.5)	Total/NA	Solid	8082A	116367
180-35818-68	SSHS-B79-0.17-2 (1)	Total/NA	Solid	8082A	116367
180-35818-69	SSHS-B79-2-6 (4.5)	Total/NA	Solid	8082A	116367
180-35818-69 MS	SSHS-B79-2-6 (4.5)	Total/NA	Solid	8082A	116367
180-35818-69 MSD	SSHS-B79-2-6 (4.5)	Total/NA	Solid	8082A	116367
180-35818-70	SSHS-B79-6-10 (8)	Total/NA	Solid	8082A	116367
180-35818-71	SSHS-B79-10-15 (12.5)	Total/NA	Solid	8082A	116367
180-35818-72	SSHS-B78-0.17-2 (1.5)	Total/NA	Solid	8082A	116367
180-35818-73	SSHS-B78-2-6 (3.5)	Total/NA	Solid	8082A	116367
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	8082A	116367
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	8082A	116367
180-35818-76	DUP-12	Total/NA	Solid	8082A	116367
180-35818-77	DUP-13	Total/NA	Solid	8082A	116367
LCS 180-116262/5-C	Lab Control Sample	Total/NA	Solid	8082A	116367
MB 180-116262/1-C	Method Blank	Total/NA	Solid	8082A	116367

Analysis Batch: 116554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-58	SSHS-B26-A-13.5-15.5 (15)	Total/NA	Solid	8082A	116367
180-35818-59	SSHS-B70-SS	Total/NA	Solid	8082A	116367

GC Semi VOA (Continued)

Analysis Batch: 116554 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-60	SSHS-B70-0.17-2 (1)	Total/NA	Solid	8082A	116367
180-35818-61	SSHS-B70-2-6 (3.5)	Total/NA	Solid	8082A	116367
180-35818-62	SSHS-B70-6-10 (7.5)	Total/NA	Solid	8082A	116367
180-35818-63	SSHS-B70-10-14 (12.5)	Total/NA	Solid	8082A	116367
180-35818-64	SSHS-B80-0.17-2 (1)	Total/NA	Solid	8082A	116367
180-35818-65	SSHS-B80-2-6 (5)	Total/NA	Solid	8082A	116367
180-35818-66	SSHS-B80-6-10 (8)	Total/NA	Solid	8082A	116367
180-35818-67	SSHS-B80-10-14.5 (12.5)	Total/NA	Solid	8082A	116367
180-35818-68	SSHS-B79-0.17-2 (1)	Total/NA	Solid	8082A	116367
180-35818-69	SSHS-B79-2-6 (4.5)	Total/NA	Solid	8082A	116367
180-35818-69 MS	SSHS-B79-2-6 (4.5)	Total/NA	Solid	8082A	116367
180-35818-69 MSD	SSHS-B79-2-6 (4.5)	Total/NA	Solid	8082A	116367
180-35818-70	SSHS-B79-6-10 (8)	Total/NA	Solid	8082A	116367
180-35818-71	SSHS-B79-10-15 (12.5)	Total/NA	Solid	8082A	116367
180-35818-72	SSHS-B78-0.17-2 (1.5)	Total/NA	Solid	8082A	116367
180-35818-73	SSHS-B78-2-6 (3.5)	Total/NA	Solid	8082A	116367
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	8082A	116367
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	8082A	116367
180-35818-76	DUP-12	Total/NA	Solid	8082A	116367
180-35818-77	DUP-13	Total/NA	Solid	8082A	116367
LCS 180-116262/5-C	Lab Control Sample	Total/NA	Solid	8082A	116367
MB 180-116262/1-C	Method Blank	Total/NA	Solid	8082A	116367

Analysis Batch: 116625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-41	SSHS-B75-SS	Total/NA	Solid	8082A	116292
180-35818-42	SSHS-B75-0.17-2 (1.5)	Total/NA	Solid	8082A	116292
180-35818-43	SSHS-B75-2-6 (3)	Total/NA	Solid	8082A	116292
180-35818-43MS	SSHS-B75-2-6 (3)	Total/NA	Solid	8082A	116292
180-35818-43MSD	SSHS-B75-2-6 (3)	Total/NA	Solid	8082A	116292
180-35818-44	SSHS-B75-6-10 (8)	Total/NA	Solid	8082A	116292
180-35818-45	SSHS-B75-10-15 (12.5)	Total/NA	Solid	8082A	116292
180-35818-46	SSHS-B64-0.17-2 (1)	Total/NA	Solid	8082A	116292
180-35818-47	SSHS-B64-4-6 (5)	Total/NA	Solid	8082A	116292
180-35818-48	SSHS-B64-6-9 (9)	Total/NA	Solid	8082A	116292
180-35818-49	SSHS-B64-10-12 (11)	Total/NA	Solid	8082A	116292
180-35818-51	SSHS-B101-3-6 (4)	Total/NA	Solid	8082A	116292
180-35818-52	SSHS-B101-8-10 (9)	Total/NA	Solid	8082A	116292
180-35818-53	SSHS-B101-12-15.5R (15)	Total/NA	Solid	8082A	116292
180-35818-54	SSHS-B26-A-SS	Total/NA	Solid	8082A	116292
180-35818-55	SSHS-B26-A-0.17-2 (0.5)	Total/NA	Solid	8082A	116292
180-35818-57	SSHS-B26-A-6-8 (7)	Total/NA	Solid	8082A	116292
LCS 180-116128/3-C	Lab Control Sample	Total/NA	Solid	8082A	116292
MB 180-116128/1-C	Method Blank	Total/NA	Solid	8082A	116292

Analysis Batch: 116627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-41	SSHS-B75-SS	Total/NA	Solid	8082A	116292
180-35818-42	SSHS-B75-0.17-2 (1.5)	Total/NA	Solid	8082A	116292
180-35818-43	SSHS-B75-2-6 (3)	Total/NA	Solid	8082A	116292
180-35818-43MS	SSHS-B75-2-6 (3)	Total/NA	Solid	8082A	116292

GC Semi VOA (Continued)

Analysis Batch: 116627 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-43MSD	SSHS-B75-2-6 (3)	Total/NA	Solid	8082A	116292
180-35818-44	SSHS-B75-6-10 (8)	Total/NA	Solid	8082A	116292
180-35818-45	SSHS-B75-10-15 (12.5)	Total/NA	Solid	8082A	116292
180-35818-46	SSHS-B64-0.17-2 (1)	Total/NA	Solid	8082A	116292
180-35818-47	SSHS-B64-4-6 (5)	Total/NA	Solid	8082A	116292
180-35818-48	SSHS-B64-6-9 (9)	Total/NA	Solid	8082A	116292
180-35818-49	SSHS-B64-10-12 (11)	Total/NA	Solid	8082A	116292
180-35818-51	SSHS-B101-3-6 (4)	Total/NA	Solid	8082A	116292
180-35818-52	SSHS-B101-8-10 (9)	Total/NA	Solid	8082A	116292
180-35818-53	SSHS-B101-12-15.5R (15)	Total/NA	Solid	8082A	116292
180-35818-54	SSHS-B26-A-SS	Total/NA	Solid	8082A	116292
180-35818-55	SSHS-B26-A-0.17-2 (0.5)	Total/NA	Solid	8082A	116292
180-35818-57	SSHS-B26-A-6-8 (7)	Total/NA	Solid	8082A	116292
LCS 180-116128/3-C	Lab Control Sample	Total/NA	Solid	8082A	116292
MB 180-116128/1-C	Method Blank	Total/NA	Solid	8082A	116292

Analysis Batch: 116644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-82 - DL	DUP-18	Total/NA	Solid	8081B	116270

Analysis Batch: 116653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-50	SSHS-B101-0.17-2 (1)	Total/NA	Solid	8082A	116292
180-35818-56	SSHS-B26-A-2-6 (2)	Total/NA	Solid	8082A	116292

Analysis Batch: 116655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-50	SSHS-B101-0.17-2 (1)	Total/NA	Solid	8082A	116292
180-35818-56	SSHS-B26-A-2-6 (2)	Total/NA	Solid	8082A	116292

Prep Batch: 143586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-84	SSHS-B26-A-GW-18-22	Total/NA	Water	3520C	
180-35818-84 MS	SSHS-B26-A-GW-18-22	Total/NA	Water	3520C	
180-35818-84 MSD	SSHS-B26-A-GW-18-22	Total/NA	Water	3520C	
LCS 240-143586/8-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-143586/7-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 143747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-84	SSHS-B26-A-GW-18-22	Total/NA	Water	8015D	143586
180-35818-84 MS	SSHS-B26-A-GW-18-22	Total/NA	Water	8015D	143586
180-35818-84 MSD	SSHS-B26-A-GW-18-22	Total/NA	Water	8015D	143586
LCS 240-143586/8-A	Lab Control Sample	Total/NA	Water	8015D	143586
MB 240-143586/7-A	Method Blank	Total/NA	Water	8015D	143586

Metals

Prep Batch: 115230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-85	20140814-EQUIPMENT BLANK- SOIL	Total Recoverable	Water	3005A	
LCS 180-115230/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 180-115230/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 115423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-85	20140814-EQUIPMENT BLANK- SOIL	Total/NA	Water	7470A	
LCS 180-115423/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 180-115423/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
MB 180-115423/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 115556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-85	20140814-EQUIPMENT BLANK- SOIL	Total/NA	Water	7470A	115423
LCS 180-115423/2-A	Lab Control Sample	Total/NA	Water	7470A	115423
LCSD 180-115423/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	115423
MB 180-115423/1-A	Method Blank	Total/NA	Water	7470A	115423

Prep Batch: 115612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-41	SSHS-B75-SS	Total/NA	Solid	3050B	
180-35818-42	SSHS-B75-0.17-2 (1.5)	Total/NA	Solid	3050B	
180-35818-43	SSHS-B75-2-6 (3)	Total/NA	Solid	3050B	
180-35818-43MS	SSHS-B75-2-6 (3)	Total/NA	Solid	3050B	
180-35818-43MSD	SSHS-B75-2-6 (3)	Total/NA	Solid	3050B	
180-35818-44	SSHS-B75-6-10 (8)	Total/NA	Solid	3050B	
180-35818-45	SSHS-B75-10-15 (12.5)	Total/NA	Solid	3050B	
180-35818-46	SSHS-B64-0.17-2 (1)	Total/NA	Solid	3050B	
180-35818-47	SSHS-B64-4-6 (5)	Total/NA	Solid	3050B	
180-35818-48	SSHS-B64-6-9 (9)	Total/NA	Solid	3050B	
180-35818-49	SSHS-B64-10-12 (11)	Total/NA	Solid	3050B	
180-35818-50	SSHS-B101-0.17-2 (1)	Total/NA	Solid	3050B	
180-35818-51	SSHS-B101-3-6 (4)	Total/NA	Solid	3050B	
180-35818-52	SSHS-B101-8-10 (9)	Total/NA	Solid	3050B	
180-35818-53	SSHS-B101-12-15.5R (15)	Total/NA	Solid	3050B	
180-35818-54	SSHS-B26-A-SS	Total/NA	Solid	3050B	
180-35818-55	SSHS-B26-A-0.17-2 (0.5)	Total/NA	Solid	3050B	
180-35818-56	SSHS-B26-A-2-6 (2)	Total/NA	Solid	3050B	
180-35818-57	SSHS-B26-A-6-8 (7)	Total/NA	Solid	3050B	
LCS 180-115612/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 180-115612/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 115613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-58	SSHS-B26-A-13.5-15.5 (15)	Total/NA	Solid	3050B	
180-35818-59	SSHS-B70-SS	Total/NA	Solid	3050B	
180-35818-60	SSHS-B70-0.17-2 (1)	Total/NA	Solid	3050B	
180-35818-61	SSHS-B70-2-6 (3.5)	Total/NA	Solid	3050B	
180-35818-62	SSHS-B70-6-10 (7.5)	Total/NA	Solid	3050B	
180-35818-63	SSHS-B70-10-14 (12.5)	Total/NA	Solid	3050B	
180-35818-64	SSHS-B80-0.17-2 (1)	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 115613 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-65	SSHS-B80-2-6 (5)	Total/NA	Solid	3050B	
180-35818-66	SSHS-B80-6-10 (8)	Total/NA	Solid	3050B	
180-35818-67	SSHS-B80-10-14.5 (12.5)	Total/NA	Solid	3050B	
180-35818-68	SSHS-B79-0.17-2 (1)	Total/NA	Solid	3050B	
180-35818-69	SSHS-B79-2-6 (4.5)	Total/NA	Solid	3050B	
180-35818-69 MS	SSHS-B79-2-6 (4.5)	Total/NA	Solid	3050B	
180-35818-69 MSD	SSHS-B79-2-6 (4.5)	Total/NA	Solid	3050B	
180-35818-70	SSHS-B79-6-10 (8)	Total/NA	Solid	3050B	
180-35818-71	SSHS-B79-10-15 (12.5)	Total/NA	Solid	3050B	
180-35818-72	SSHS-B78-0.17-2 (1.5)	Total/NA	Solid	3050B	
180-35818-73	SSHS-B78-2-6 (3.5)	Total/NA	Solid	3050B	
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	3050B	
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	3050B	
LCS 180-115613/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 180-115613/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 115614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-76	DUP-12	Total/NA	Solid	3050B	
180-35818-76 MS	DUP-12	Total/NA	Solid	3050B	
180-35818-76 MSD	DUP-12	Total/NA	Solid	3050B	
180-35818-77	DUP-13	Total/NA	Solid	3050B	
180-35818-78	DUP-14	Total/NA	Solid	3050B	
180-35818-79	DUP-15	Total/NA	Solid	3050B	
180-35818-80	DUP-16	Total/NA	Solid	3050B	
180-35818-81	DUP-17	Total/NA	Solid	3050B	
180-35818-82	DUP-18	Total/NA	Solid	3050B	
180-35818-83	DUP-19	Total/NA	Solid	3050B	
LCS 180-115614/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 180-115614/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 116140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-85	20140814-EQUIPMENT BLANK- SOIL	Total Recoverable	Water	6010C	115230
LCS 180-115230/2-A	Lab Control Sample	Total Recoverable	Water	6010C	115230
MB 180-115230/1-A	Method Blank	Total Recoverable	Water	6010C	115230

Prep Batch: 116179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-41	SSHS-B75-SS	Total/NA	Solid	7471B	
180-35818-42	SSHS-B75-0.17-2 (1.5)	Total/NA	Solid	7471B	
180-35818-43	SSHS-B75-2-6 (3)	Total/NA	Solid	7471B	
180-35818-43MS	SSHS-B75-2-6 (3)	Total/NA	Solid	7471B	
180-35818-43MSD	SSHS-B75-2-6 (3)	Total/NA	Solid	7471B	
180-35818-44	SSHS-B75-6-10 (8)	Total/NA	Solid	7471B	
180-35818-45	SSHS-B75-10-15 (12.5)	Total/NA	Solid	7471B	
180-35818-46	SSHS-B64-0.17-2 (1)	Total/NA	Solid	7471B	
180-35818-47	SSHS-B64-4-6 (5)	Total/NA	Solid	7471B	
180-35818-48	SSHS-B64-6-9 (9)	Total/NA	Solid	7471B	
180-35818-49	SSHS-B64-10-12 (11)	Total/NA	Solid	7471B	
180-35818-50	SSHS-B101-0.17-2 (1)	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 116179 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-51	SSHS-B101-3-6 (4)	Total/NA	Solid	7471B	
180-35818-52	SSHS-B101-8-10 (9)	Total/NA	Solid	7471B	
180-35818-53	SSHS-B101-12-15.5R (15)	Total/NA	Solid	7471B	
180-35818-54	SSHS-B26-A-SS	Total/NA	Solid	7471B	
180-35818-55	SSHS-B26-A-0.17-2 (0.5)	Total/NA	Solid	7471B	
180-35818-56	SSHS-B26-A-2-6 (2)	Total/NA	Solid	7471B	
180-35818-57	SSHS-B26-A-6-8 (7)	Total/NA	Solid	7471B	
180-35818-58	SSHS-B26-A-13.5-15.5 (15)	Total/NA	Solid	7471B	
180-35818-59	SSHS-B70-SS	Total/NA	Solid	7471B	
180-35818-60	SSHS-B70-0.17-2 (1)	Total/NA	Solid	7471B	
LCS 180-116179/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 180-116179/1-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 116180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-61	SSHS-B70-2-6 (3.5)	Total/NA	Solid	7471B	
180-35818-62	SSHS-B70-6-10 (7.5)	Total/NA	Solid	7471B	
180-35818-63	SSHS-B70-10-14 (12.5)	Total/NA	Solid	7471B	
180-35818-64	SSHS-B80-0.17-2 (1)	Total/NA	Solid	7471B	
180-35818-65	SSHS-B80-2-6 (5)	Total/NA	Solid	7471B	
180-35818-66	SSHS-B80-6-10 (8)	Total/NA	Solid	7471B	
180-35818-67	SSHS-B80-10-14.5 (12.5)	Total/NA	Solid	7471B	
180-35818-68	SSHS-B79-0.17-2 (1)	Total/NA	Solid	7471B	
180-35818-69	SSHS-B79-2-6 (4.5)	Total/NA	Solid	7471B	
180-35818-69 MS	SSHS-B79-2-6 (4.5)	Total/NA	Solid	7471B	
180-35818-69 MSD	SSHS-B79-2-6 (4.5)	Total/NA	Solid	7471B	
180-35818-70	SSHS-B79-6-10 (8)	Total/NA	Solid	7471B	
180-35818-71	SSHS-B79-10-15 (12.5)	Total/NA	Solid	7471B	
180-35818-72	SSHS-B78-0.17-2 (1.5)	Total/NA	Solid	7471B	
180-35818-73	SSHS-B78-2-6 (3.5)	Total/NA	Solid	7471B	
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	7471B	
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	7471B	
180-35818-76	DUP-12	Total/NA	Solid	7471B	
180-35818-77	DUP-13	Total/NA	Solid	7471B	
180-35818-78	DUP-14	Total/NA	Solid	7471B	
180-35818-79	DUP-15	Total/NA	Solid	7471B	
180-35818-80	DUP-16	Total/NA	Solid	7471B	
LCS 180-116180/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 180-116180/1-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 116181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-81	DUP-17	Total/NA	Solid	7471B	
180-35818-81 MS	DUP-17	Total/NA	Solid	7471B	
180-35818-81 MSD	DUP-17	Total/NA	Solid	7471B	
180-35818-82	DUP-18	Total/NA	Solid	7471B	
180-35818-83	DUP-19	Total/NA	Solid	7471B	
LCS 180-116181/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 180-116181/1-A	Method Blank	Total/NA	Solid	7471B	

Metals (Continued)

Analysis Batch: 116253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-41	SSHS-B75-SS	Total/NA	Solid	7471B	116179
180-35818-42	SSHS-B75-0.17-2 (1.5)	Total/NA	Solid	7471B	116179
180-35818-43	SSHS-B75-2-6 (3)	Total/NA	Solid	7471B	116179
180-35818-43MS	SSHS-B75-2-6 (3)	Total/NA	Solid	7471B	116179
180-35818-43MSD	SSHS-B75-2-6 (3)	Total/NA	Solid	7471B	116179
180-35818-44	SSHS-B75-6-10 (8)	Total/NA	Solid	7471B	116179
180-35818-45	SSHS-B75-10-15 (12.5)	Total/NA	Solid	7471B	116179
180-35818-46	SSHS-B64-0.17-2 (1)	Total/NA	Solid	7471B	116179
180-35818-47	SSHS-B64-4-6 (5)	Total/NA	Solid	7471B	116179
180-35818-48	SSHS-B64-6-9 (9)	Total/NA	Solid	7471B	116179
180-35818-49	SSHS-B64-10-12 (11)	Total/NA	Solid	7471B	116179
180-35818-50	SSHS-B101-0.17-2 (1)	Total/NA	Solid	7471B	116179
180-35818-51	SSHS-B101-3-6 (4)	Total/NA	Solid	7471B	116179
180-35818-52	SSHS-B101-8-10 (9)	Total/NA	Solid	7471B	116179
180-35818-53	SSHS-B101-12-15.5R (15)	Total/NA	Solid	7471B	116179
180-35818-54	SSHS-B26-A-SS	Total/NA	Solid	7471B	116179
180-35818-55	SSHS-B26-A-0.17-2 (0.5)	Total/NA	Solid	7471B	116179
180-35818-56	SSHS-B26-A-2-6 (2)	Total/NA	Solid	7471B	116179
180-35818-57	SSHS-B26-A-6-8 (7)	Total/NA	Solid	7471B	116179
180-35818-58	SSHS-B26-A-13.5-15.5 (15)	Total/NA	Solid	7471B	116179
180-35818-59	SSHS-B70-SS	Total/NA	Solid	7471B	116179
180-35818-60	SSHS-B70-0.17-2 (1)	Total/NA	Solid	7471B	116179
180-35818-61	SSHS-B70-2-6 (3.5)	Total/NA	Solid	7471B	116180
180-35818-62	SSHS-B70-6-10 (7.5)	Total/NA	Solid	7471B	116180
180-35818-63	SSHS-B70-10-14 (12.5)	Total/NA	Solid	7471B	116180
180-35818-64	SSHS-B80-0.17-2 (1)	Total/NA	Solid	7471B	116180
180-35818-65	SSHS-B80-2-6 (5)	Total/NA	Solid	7471B	116180
180-35818-66	SSHS-B80-6-10 (8)	Total/NA	Solid	7471B	116180
180-35818-67	SSHS-B80-10-14.5 (12.5)	Total/NA	Solid	7471B	116180
180-35818-68	SSHS-B79-0.17-2 (1)	Total/NA	Solid	7471B	116180
180-35818-69	SSHS-B79-2-6 (4.5)	Total/NA	Solid	7471B	116180
180-35818-69 MS	SSHS-B79-2-6 (4.5)	Total/NA	Solid	7471B	116180
180-35818-69 MSD	SSHS-B79-2-6 (4.5)	Total/NA	Solid	7471B	116180
180-35818-70	SSHS-B79-6-10 (8)	Total/NA	Solid	7471B	116180
180-35818-71	SSHS-B79-10-15 (12.5)	Total/NA	Solid	7471B	116180
180-35818-72	SSHS-B78-0.17-2 (1.5)	Total/NA	Solid	7471B	116180
180-35818-73	SSHS-B78-2-6 (3.5)	Total/NA	Solid	7471B	116180
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	7471B	116180
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	7471B	116180
180-35818-76	DUP-12	Total/NA	Solid	7471B	116180
180-35818-77	DUP-13	Total/NA	Solid	7471B	116180
180-35818-78	DUP-14	Total/NA	Solid	7471B	116180
180-35818-79	DUP-15	Total/NA	Solid	7471B	116180
180-35818-80	DUP-16	Total/NA	Solid	7471B	116180
180-35818-81	DUP-17	Total/NA	Solid	7471B	116181
180-35818-81 MS	DUP-17	Total/NA	Solid	7471B	116181
180-35818-81 MSD	DUP-17	Total/NA	Solid	7471B	116181
180-35818-82	DUP-18	Total/NA	Solid	7471B	116181
180-35818-83	DUP-19	Total/NA	Solid	7471B	116181
LCS 180-116179/2-A	Lab Control Sample	Total/NA	Solid	7471B	116179
LCS 180-116180/2-A	Lab Control Sample	Total/NA	Solid	7471B	116180

Metals (Continued)

Analysis Batch: 116253 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-116181/2-A	Lab Control Sample	Total/NA	Solid	7471B	116181
MB 180-116179/1-A	Method Blank	Total/NA	Solid	7471B	116179
MB 180-116180/1-A	Method Blank	Total/NA	Solid	7471B	116180
MB 180-116181/1-A	Method Blank	Total/NA	Solid	7471B	116181

Analysis Batch: 116283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-85	20140814-EQUIPMENT BLANK- SOIL	Total Recoverable	Water	6010C	115230
LCS 180-115230/2-A	Lab Control Sample	Total Recoverable	Water	6010C	115230
MB 180-115230/1-A	Method Blank	Total Recoverable	Water	6010C	115230

Analysis Batch: 116285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-76	DUP-12	Total/NA	Solid	6010C	115614
180-35818-76 MS	DUP-12	Total/NA	Solid	6010C	115614
180-35818-76 MSD	DUP-12	Total/NA	Solid	6010C	115614
180-35818-77	DUP-13	Total/NA	Solid	6010C	115614
180-35818-78	DUP-14	Total/NA	Solid	6010C	115614
180-35818-79	DUP-15	Total/NA	Solid	6010C	115614
180-35818-80	DUP-16	Total/NA	Solid	6010C	115614
180-35818-81	DUP-17	Total/NA	Solid	6010C	115614
180-35818-82	DUP-18	Total/NA	Solid	6010C	115614
180-35818-83	DUP-19	Total/NA	Solid	6010C	115614
LCS 180-115614/2-A	Lab Control Sample	Total/NA	Solid	6010C	115614
MB 180-115614/1-A	Method Blank	Total/NA	Solid	6010C	115614

Analysis Batch: 116412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-41	SSHS-B75-SS	Total/NA	Solid	6010C	115612
180-35818-42	SSHS-B75-0.17-2 (1.5)	Total/NA	Solid	6010C	115612
180-35818-43	SSHS-B75-2-6 (3)	Total/NA	Solid	6010C	115612
180-35818-43MS	SSHS-B75-2-6 (3)	Total/NA	Solid	6010C	115612
180-35818-43MSD	SSHS-B75-2-6 (3)	Total/NA	Solid	6010C	115612
180-35818-44	SSHS-B75-6-10 (8)	Total/NA	Solid	6010C	115612
180-35818-45	SSHS-B75-10-15 (12.5)	Total/NA	Solid	6010C	115612
180-35818-46	SSHS-B64-0.17-2 (1)	Total/NA	Solid	6010C	115612
180-35818-47	SSHS-B64-4-6 (5)	Total/NA	Solid	6010C	115612
180-35818-48	SSHS-B64-6-9 (9)	Total/NA	Solid	6010C	115612
180-35818-49	SSHS-B64-10-12 (11)	Total/NA	Solid	6010C	115612
180-35818-50	SSHS-B101-0.17-2 (1)	Total/NA	Solid	6010C	115612
180-35818-51	SSHS-B101-3-6 (4)	Total/NA	Solid	6010C	115612
180-35818-52	SSHS-B101-8-10 (9)	Total/NA	Solid	6010C	115612
180-35818-53	SSHS-B101-12-15.5R (15)	Total/NA	Solid	6010C	115612
180-35818-54	SSHS-B26-A-SS	Total/NA	Solid	6010C	115612
180-35818-55	SSHS-B26-A-0.17-2 (0.5)	Total/NA	Solid	6010C	115612
180-35818-56	SSHS-B26-A-2-6 (2)	Total/NA	Solid	6010C	115612
180-35818-57	SSHS-B26-A-6-8 (7)	Total/NA	Solid	6010C	115612
LCS 180-115612/2-A	Lab Control Sample	Total/NA	Solid	6010C	115612
MB 180-115612/1-A	Method Blank	Total/NA	Solid	6010C	115612

Metals (Continued)

Analysis Batch: 116450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-58	SSHS-B26-A-13.5-15.5 (15)	Total/NA	Solid	6010C	115613
180-35818-59	SSHS-B70-SS	Total/NA	Solid	6010C	115613
180-35818-60	SSHS-B70-0.17-2 (1)	Total/NA	Solid	6010C	115613
180-35818-61	SSHS-B70-2-6 (3.5)	Total/NA	Solid	6010C	115613
180-35818-62	SSHS-B70-6-10 (7.5)	Total/NA	Solid	6010C	115613
180-35818-63	SSHS-B70-10-14 (12.5)	Total/NA	Solid	6010C	115613
180-35818-64	SSHS-B80-0.17-2 (1)	Total/NA	Solid	6010C	115613
180-35818-65	SSHS-B80-2-6 (5)	Total/NA	Solid	6010C	115613
180-35818-66	SSHS-B80-6-10 (8)	Total/NA	Solid	6010C	115613
180-35818-67	SSHS-B80-10-14.5 (12.5)	Total/NA	Solid	6010C	115613
180-35818-68	SSHS-B79-0.17-2 (1)	Total/NA	Solid	6010C	115613
180-35818-69	SSHS-B79-2-6 (4.5)	Total/NA	Solid	6010C	115613
180-35818-69 MS	SSHS-B79-2-6 (4.5)	Total/NA	Solid	6010C	115613
180-35818-69 MSD	SSHS-B79-2-6 (4.5)	Total/NA	Solid	6010C	115613
180-35818-70	SSHS-B79-6-10 (8)	Total/NA	Solid	6010C	115613
180-35818-71	SSHS-B79-10-15 (12.5)	Total/NA	Solid	6010C	115613
180-35818-72	SSHS-B78-0.17-2 (1.5)	Total/NA	Solid	6010C	115613
180-35818-73	SSHS-B78-2-6 (3.5)	Total/NA	Solid	6010C	115613
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	6010C	115613
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	6010C	115613
LCS 180-115613/2-A	Lab Control Sample	Total/NA	Solid	6010C	115613
MB 180-115613/1-A	Method Blank	Total/NA	Solid	6010C	115613

Analysis Batch: 116527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-59	SSHS-B70-SS	Total/NA	Solid	6010C	115613
180-35818-60	SSHS-B70-0.17-2 (1)	Total/NA	Solid	6010C	115613
180-35818-62	SSHS-B70-6-10 (7.5)	Total/NA	Solid	6010C	115613
180-35818-64	SSHS-B80-0.17-2 (1)	Total/NA	Solid	6010C	115613
180-35818-66	SSHS-B80-6-10 (8)	Total/NA	Solid	6010C	115613
180-35818-67	SSHS-B80-10-14.5 (12.5)	Total/NA	Solid	6010C	115613
180-35818-68	SSHS-B79-0.17-2 (1)	Total/NA	Solid	6010C	115613
180-35818-69	SSHS-B79-2-6 (4.5)	Total/NA	Solid	6010C	115613
180-35818-69 MS	SSHS-B79-2-6 (4.5)	Total/NA	Solid	6010C	115613
180-35818-69 MSD	SSHS-B79-2-6 (4.5)	Total/NA	Solid	6010C	115613
180-35818-70	SSHS-B79-6-10 (8)	Total/NA	Solid	6010C	115613
180-35818-71	SSHS-B79-10-15 (12.5)	Total/NA	Solid	6010C	115613
180-35818-72	SSHS-B78-0.17-2 (1.5)	Total/NA	Solid	6010C	115613
180-35818-73	SSHS-B78-2-6 (3.5)	Total/NA	Solid	6010C	115613
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	6010C	115613
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	6010C	115613
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	6010C	115613
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	6010C	115613

General Chemistry

Analysis Batch: 115099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-43	SSHS-B75-2-6 (3)	Total/NA	Solid	2540G	
180-35818-43 DU	SSHS-B75-2-6 (3)	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 115099 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-54	SSHS-B26-A-SS	Total/NA	Solid	2540G	
180-35818-55	SSHS-B26-A-0.17-2 (0.5)	Total/NA	Solid	2540G	
180-35818-56	SSHS-B26-A-2-6 (2)	Total/NA	Solid	2540G	
180-35818-57	SSHS-B26-A-6-8 (7)	Total/NA	Solid	2540G	
180-35818-58	SSHS-B26-A-13.5-15.5 (15)	Total/NA	Solid	2540G	
180-35818-59	SSHS-B70-SS	Total/NA	Solid	2540G	
180-35818-60	SSHS-B70-0.17-2 (1)	Total/NA	Solid	2540G	
180-35818-61	SSHS-B70-2-6 (3.5)	Total/NA	Solid	2540G	
180-35818-62	SSHS-B70-6-10 (7.5)	Total/NA	Solid	2540G	

Analysis Batch: 115111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-42	SSHS-B75-0.17-2 (1.5)	Total/NA	Solid	2540G	
180-35818-44	SSHS-B75-6-10 (8)	Total/NA	Solid	2540G	
180-35818-45	SSHS-B75-10-15 (12.5)	Total/NA	Solid	2540G	
180-35818-46	SSHS-B64-0.17-2 (1)	Total/NA	Solid	2540G	
180-35818-47	SSHS-B64-4-6 (5)	Total/NA	Solid	2540G	
180-35818-48	SSHS-B64-6-9 (9)	Total/NA	Solid	2540G	
180-35818-49	SSHS-B64-10-12 (11)	Total/NA	Solid	2540G	
180-35818-50	SSHS-B101-0.17-2 (1)	Total/NA	Solid	2540G	
180-35818-50 DU	SSHS-B101-0.17-2 (1)	Total/NA	Solid	2540G	
180-35818-51	SSHS-B101-3-6 (4)	Total/NA	Solid	2540G	
180-35818-52	SSHS-B101-8-10 (9)	Total/NA	Solid	2540G	
180-35818-53	SSHS-B101-12-15.5R (15)	Total/NA	Solid	2540G	
180-35818-63	SSHS-B70-10-14 (12.5)	Total/NA	Solid	2540G	
180-35818-63 DU	SSHS-B70-10-14 (12.5)	Total/NA	Solid	2540G	
180-35818-64	SSHS-B80-0.17-2 (1)	Total/NA	Solid	2540G	
180-35818-65	SSHS-B80-2-6 (5)	Total/NA	Solid	2540G	

Analysis Batch: 115150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-41	SSHS-B75-SS	Total/NA	Solid	2540G	

Analysis Batch: 115151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-79	DUP-15	Total/NA	Solid	2540G	
180-35818-80	DUP-16	Total/NA	Solid	2540G	
180-35818-81	DUP-17	Total/NA	Solid	2540G	
180-35818-82	DUP-18	Total/NA	Solid	2540G	
180-35818-83	DUP-19	Total/NA	Solid	2540G	

Analysis Batch: 115155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-66	SSHS-B80-6-10 (8)	Total/NA	Solid	2540G	
180-35818-67	SSHS-B80-10-14.5 (12.5)	Total/NA	Solid	2540G	
180-35818-68	SSHS-B79-0.17-2 (1)	Total/NA	Solid	2540G	
180-35818-69	SSHS-B79-2-6 (4.5)	Total/NA	Solid	2540G	
180-35818-69 DU	SSHS-B79-2-6 (4.5)	Total/NA	Solid	2540G	
180-35818-70	SSHS-B79-6-10 (8)	Total/NA	Solid	2540G	
180-35818-71	SSHS-B79-10-15 (12.5)	Total/NA	Solid	2540G	
180-35818-72	SSHS-B78-0.17-2 (1.5)	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 115155 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-73	SSHS-B78-2-6 (3.5)	Total/NA	Solid	2540G	
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	2540G	
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	2540G	
180-35818-76	DUP-12	Total/NA	Solid	2540G	
180-35818-77	DUP-13	Total/NA	Solid	2540G	
180-35818-78	DUP-14	Total/NA	Solid	2540G	
180-35818-78 DU	DUP-14	Total/NA	Solid	2540G	

Prep Batch: 115799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-41	SSHS-B75-SS	Total/NA	Solid	9010C	
180-35818-43	SSHS-B75-2-6 (3)	Total/NA	Solid	9010C	
180-35818-43MS	SSHS-B75-2-6 (3)	Total/NA	Solid	9010C	
180-35818-43MSD	SSHS-B75-2-6 (3)	Total/NA	Solid	9010C	
HLCS 180-115799/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-115799/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-115799/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-115799/4-A	Method Blank	Total/NA	Solid	9010C	

Prep Batch: 115800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-42	SSHS-B75-0.17-2 (1.5)	Total/NA	Solid	9010C	
180-35818-44	SSHS-B75-6-10 (8)	Total/NA	Solid	9010C	
180-35818-45	SSHS-B75-10-15 (12.5)	Total/NA	Solid	9010C	
180-35818-46	SSHS-B64-0.17-2 (1)	Total/NA	Solid	9010C	
180-35818-47	SSHS-B64-4-6 (5)	Total/NA	Solid	9010C	
180-35818-48	SSHS-B64-6-9 (9)	Total/NA	Solid	9010C	
180-35818-49	SSHS-B64-10-12 (11)	Total/NA	Solid	9010C	
180-35818-50	SSHS-B101-0.17-2 (1)	Total/NA	Solid	9010C	
180-35818-51	SSHS-B101-3-6 (4)	Total/NA	Solid	9010C	
180-35818-69	SSHS-B79-2-6 (4.5)	Total/NA	Solid	9010C	
180-35818-69 MS	SSHS-B79-2-6 (4.5)	Total/NA	Solid	9010C	
180-35818-69 MSD	SSHS-B79-2-6 (4.5)	Total/NA	Solid	9010C	
HLCS 180-115800/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-115800/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-115800/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-115800/4-A	Method Blank	Total/NA	Solid	9010C	

Analysis Batch: 115822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-41	SSHS-B75-SS	Total/NA	Solid	9014	115799
180-35818-42	SSHS-B75-0.17-2 (1.5)	Total/NA	Solid	9014	115800
180-35818-43	SSHS-B75-2-6 (3)	Total/NA	Solid	9014	115799
180-35818-43MS	SSHS-B75-2-6 (3)	Total/NA	Solid	9014	115799
180-35818-43MSD	SSHS-B75-2-6 (3)	Total/NA	Solid	9014	115799
180-35818-44	SSHS-B75-6-10 (8)	Total/NA	Solid	9014	115800
180-35818-45	SSHS-B75-10-15 (12.5)	Total/NA	Solid	9014	115800
180-35818-46	SSHS-B64-0.17-2 (1)	Total/NA	Solid	9014	115800
180-35818-47	SSHS-B64-4-6 (5)	Total/NA	Solid	9014	115800
180-35818-48	SSHS-B64-6-9 (9)	Total/NA	Solid	9014	115800
180-35818-49	SSHS-B64-10-12 (11)	Total/NA	Solid	9014	115800

General Chemistry (Continued)

Analysis Batch: 115822 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-50	SSHS-B101-0.17-2 (1)	Total/NA	Solid	9014	115800
180-35818-51	SSHS-B101-3-6 (4)	Total/NA	Solid	9014	115800
180-35818-69	SSHS-B79-2-6 (4.5)	Total/NA	Solid	9014	115800
180-35818-69 MS	SSHS-B79-2-6 (4.5)	Total/NA	Solid	9014	115800
180-35818-69 MSD	SSHS-B79-2-6 (4.5)	Total/NA	Solid	9014	115800
HLCS 180-115799/2-A	Lab Control Sample	Total/NA	Solid	9014	115799
HLCS 180-115800/2-A	Lab Control Sample	Total/NA	Solid	9014	115800
LCS 180-115799/3-A	Lab Control Sample	Total/NA	Solid	9014	115799
LCS 180-115800/3-A	Lab Control Sample	Total/NA	Solid	9014	115800
LLCS 180-115799/1-A	Lab Control Sample	Total/NA	Solid	9014	115799
LLCS 180-115800/1-A	Lab Control Sample	Total/NA	Solid	9014	115800
MB 180-115799/4-A	Method Blank	Total/NA	Solid	9014	115799
MB 180-115800/4-A	Method Blank	Total/NA	Solid	9014	115800

Prep Batch: 115921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-52	SSHS-B101-8-10 (9)	Total/NA	Solid	9010C	
180-35818-53	SSHS-B101-12-15.5R (15)	Total/NA	Solid	9010C	
180-35818-54	SSHS-B26-A-SS	Total/NA	Solid	9010C	
180-35818-55	SSHS-B26-A-0.17-2 (0.5)	Total/NA	Solid	9010C	
180-35818-56	SSHS-B26-A-2-6 (2)	Total/NA	Solid	9010C	
180-35818-57	SSHS-B26-A-6-8 (7)	Total/NA	Solid	9010C	
180-35818-58	SSHS-B26-A-13.5-15.5 (15)	Total/NA	Solid	9010C	
180-35818-59	SSHS-B70-SS	Total/NA	Solid	9010C	
180-35818-60	SSHS-B70-0.17-2 (1)	Total/NA	Solid	9010C	
180-35818-61	SSHS-B70-2-6 (3.5)	Total/NA	Solid	9010C	
180-35818-61 MS	SSHS-B70-2-6 (3.5)	Total/NA	Solid	9010C	
180-35818-62	SSHS-B70-6-10 (7.5)	Total/NA	Solid	9010C	
180-35818-63	SSHS-B70-10-14 (12.5)	Total/NA	Solid	9010C	
180-35818-64	SSHS-B80-0.17-2 (1)	Total/NA	Solid	9010C	
180-35818-65	SSHS-B80-2-6 (5)	Total/NA	Solid	9010C	
180-35818-66	SSHS-B80-6-10 (8)	Total/NA	Solid	9010C	
180-35818-67	SSHS-B80-10-14.5 (12.5)	Total/NA	Solid	9010C	
180-35818-68	SSHS-B79-0.17-2 (1)	Total/NA	Solid	9010C	
180-35818-70	SSHS-B79-6-10 (8)	Total/NA	Solid	9010C	
180-35818-71	SSHS-B79-10-15 (12.5)	Total/NA	Solid	9010C	
HLCS 180-115921/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-115921/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-115921/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-115921/4-A	Method Blank	Total/NA	Solid	9010C	

Analysis Batch: 115970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-52	SSHS-B101-8-10 (9)	Total/NA	Solid	9014	115921
180-35818-53	SSHS-B101-12-15.5R (15)	Total/NA	Solid	9014	115921
180-35818-54	SSHS-B26-A-SS	Total/NA	Solid	9014	115921
180-35818-55	SSHS-B26-A-0.17-2 (0.5)	Total/NA	Solid	9014	115921
180-35818-56	SSHS-B26-A-2-6 (2)	Total/NA	Solid	9014	115921
180-35818-57	SSHS-B26-A-6-8 (7)	Total/NA	Solid	9014	115921
180-35818-58	SSHS-B26-A-13.5-15.5 (15)	Total/NA	Solid	9014	115921
180-35818-59	SSHS-B70-SS	Total/NA	Solid	9014	115921

General Chemistry (Continued)

Analysis Batch: 115970 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-60	SSHS-B70-0.17-2 (1)	Total/NA	Solid	9014	115921
180-35818-61	SSHS-B70-2-6 (3.5)	Total/NA	Solid	9014	115921
180-35818-61 MS	SSHS-B70-2-6 (3.5)	Total/NA	Solid	9014	115921
180-35818-62	SSHS-B70-6-10 (7.5)	Total/NA	Solid	9014	115921
180-35818-63	SSHS-B70-10-14 (12.5)	Total/NA	Solid	9014	115921
180-35818-64	SSHS-B80-0.17-2 (1)	Total/NA	Solid	9014	115921
180-35818-65	SSHS-B80-2-6 (5)	Total/NA	Solid	9014	115921
180-35818-66	SSHS-B80-6-10 (8)	Total/NA	Solid	9014	115921
180-35818-67	SSHS-B80-10-14.5 (12.5)	Total/NA	Solid	9014	115921
180-35818-68	SSHS-B79-0.17-2 (1)	Total/NA	Solid	9014	115921
180-35818-70	SSHS-B79-6-10 (8)	Total/NA	Solid	9014	115921
180-35818-71	SSHS-B79-10-15 (12.5)	Total/NA	Solid	9014	115921
HLCS 180-115921/2-A	Lab Control Sample	Total/NA	Solid	9014	115921
LCS 180-115921/3-A	Lab Control Sample	Total/NA	Solid	9014	115921
LLCS 180-115921/1-A	Lab Control Sample	Total/NA	Solid	9014	115921
MB 180-115921/4-A	Method Blank	Total/NA	Solid	9014	115921

Prep Batch: 116102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-72	SSHS-B78-0.17-2 (1.5)	Total/NA	Solid	9010C	
180-35818-73	SSHS-B78-2-6 (3.5)	Total/NA	Solid	9010C	
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	9010C	
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	9010C	
180-35818-76	DUP-12	Total/NA	Solid	9010C	
180-35818-77	DUP-13	Total/NA	Solid	9010C	
180-35818-78	DUP-14	Total/NA	Solid	9010C	
180-35818-79	DUP-15	Total/NA	Solid	9010C	
180-35818-80	DUP-16	Total/NA	Solid	9010C	
180-35818-81	DUP-17	Total/NA	Solid	9010C	
180-35818-82	DUP-18	Total/NA	Solid	9010C	
180-35818-83	DUP-19	Total/NA	Solid	9010C	
HLCS 180-116102/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-116102/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-116102/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-116102/4-A	Method Blank	Total/NA	Solid	9010C	

Prep Batch: 116219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-85	20140814-EQUIPMENT BLANK- SOIL	Total/NA	Water	9010C	
HLCS 180-116219/2-A	Lab Control Sample	Total/NA	Water	9010C	
LCS 180-116219/3-A	Lab Control Sample	Total/NA	Water	9010C	
LLCS 180-116219/1-A	Lab Control Sample	Total/NA	Water	9010C	
MB 180-116219/4-A	Method Blank	Total/NA	Water	9010C	

Analysis Batch: 116257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-72	SSHS-B78-0.17-2 (1.5)	Total/NA	Solid	9014	116102
180-35818-73	SSHS-B78-2-6 (3.5)	Total/NA	Solid	9014	116102
180-35818-74	SSHS-B78-6-10 (8)	Total/NA	Solid	9014	116102
180-35818-75	SSHS-B78-10-15 (12)	Total/NA	Solid	9014	116102
180-35818-76	DUP-12	Total/NA	Solid	9014	116102

General Chemistry (Continued)

Analysis Batch: 116257 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35818-77	DUP-13	Total/NA	Solid	9014	116102
180-35818-78	DUP-14	Total/NA	Solid	9014	116102
180-35818-79	DUP-15	Total/NA	Solid	9014	116102
180-35818-80	DUP-16	Total/NA	Solid	9014	116102
180-35818-81	DUP-17	Total/NA	Solid	9014	116102
180-35818-82	DUP-18	Total/NA	Solid	9014	116102
180-35818-83	DUP-19	Total/NA	Solid	9014	116102
180-35818-85	20140814-EQUIPMENT BLANK- SOIL	Total/NA	Water	9014	116219
HLCS 180-116102/2-A	Lab Control Sample	Total/NA	Solid	9014	116102
HLCS 180-116219/2-A	Lab Control Sample	Total/NA	Water	9014	116219
LCS 180-116102/3-A	Lab Control Sample	Total/NA	Solid	9014	116102
LCS 180-116219/3-A	Lab Control Sample	Total/NA	Water	9014	116219
LLCS 180-116102/1-A	Lab Control Sample	Total/NA	Solid	9014	116102
LLCS 180-116219/1-A	Lab Control Sample	Total/NA	Water	9014	116219
MB 180-116102/4-A	Method Blank	Total/NA	Solid	9014	116102
MB 180-116219/4-A	Method Blank	Total/NA	Water	9014	116219

Temp 3.7 / 5.4 / 4.9 / 3.6 | + CF = 3.7 / 5.4 / 4.9 / 3.6 | Thermo 5

Temp 4.6 + CF = 4.6 Thermo 5
5.1 + CF = 5.1

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): Lab Courier	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 8 of 8
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA

M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)

Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C / 7471B metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082A/8081 PCB/Pest	Total Number of containers	Special Instructions/Note: No Custody Seals Signed tape
			Preservation Code:										
SSHS-B65-0.17-2(1)	8/14/2014	1310	C,G	S	N	N	X	X	X	X	X		
SSHS-B65-4-6(4)	8/14/2014	1314	C,G	S	N	N	X	X	X	X	X		
SSHS-B65-8-10(9)	8/14/2014	1324	C,G	S	N	N	X	X	X	X	X		
SSHS-B65-10-12(11)	8/14/2014	1331	C,G	S	N	N	X	X	X	X	X		
SSHS-B66-0.17-2(1)	8/14/2014	1610	C,G	S	N	N	X	X	X	X	X		
SSHS-B66-2-4(3)	8/14/2014	1623	C,G	S	N	N	X	X	X	X	X		
SSHS-B66-6-8(7)	8/14/2014	1629	C,G	S	N	N	X	X	X	X	X		
SSHS-B67-0.17-2(1)	8/14/2014	1347	C,G	S	N	N	X	X	X	X	X		
SSHS-B67-2-6(4.5)	8/14/2014	1400	C,G	S	N	Y	X	X	X	X	X		
SSHS-B67-2-6(4.5) MS/MSD	8/14/2014	1400	C,G	S	N	*	X	X	X	X	X		
SSHS-B67-8-10(9)	8/14/2014	1415	C,G	S	N	N	X	X	X	X	X		

180-35818 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 8/15/14 0705	Company: Geosyntec	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 8/15/14 ~~0705~~ 1315	Company: Express	Received by:	Date/Time: 8/15/14 1315	Company: TAT
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam L Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): Lab Courier	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301 379 -0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page ~~8~~ 2 of ~~8~~ 9
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10220 Old Columbia Road Suite A
City: Columbia
State, Zip: MD, 21046
Phone:
Email: agray@geosyntec.com
Project Name: Former Sperry Remington Site - North
Site:

Due Date Requested:
TAT Requested (days): Normal
PO #: MN0832
WO #:
Project #: 18013464
SSOW#:

Preservation Codes:

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

Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C / 7471B metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082A/8081 PCB/Pest	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SSHS-B67-10-12(11)	8/14/2014	1425	C,G	S	N	N	X	X	X	X	X		
SSHS-B68-0.17-2(1)	8/14/2014	1528	C,G	S	N	N	X	X	X	X	X		
SSHS-B68-2-6(5.5)	8/14/2014	1540	C,G	S	N	N	X	X	X	X	X		
SSHS-B68-6-8R(6.5)	8/14/2014	1548	C,G	S	N	N	X	X	X	X	X		
SSHS-B69-0.17-2(1)	8/14/2014	1458	C,G	S	N	N	X	X	X	X	X		
SSHS-B69-2-4(4)	8/14/2014	1504	C,G	S	N	N	X	X	X	X	X		
SSHS-B69-4-6R(5)	8/14/2014	1512	C,G	S	N	N	X	X	X	X	X		
SSHS-B83-0.17-2(1)	8/14/2014	0827	C,G	S	N	N	X	X	X	X	X		
SSHS-B84-0.17-2(1)	8/14/2014	0948	C,G	S	N	N	X	X	X	X	X		
SSHS-B84-2-6(4)	8/14/2014	1014	C,G	S	N	N	X	X	X	X	X		
SSHS-B84-6-10(8)	8/14/2014	1020	C,G	S	N	N	X	X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time: 8/15/14 0705	Company Geosyntec	Received by:		Date/Time:	Company
Relinquished by:	Date/Time: 8-15-14 ~~0305~~ 1315	Company Express	Received by:		Date/Time: 8/15/14 1315	Company TAP
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam L. Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): Lab Courier	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 3 of 9
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10220 Old Columbia Road Suite A
City: Columbia
State, Zip: MD, 21046
Phone:
Email: agray@geosyntec.com
Project Name: Former Sperry Remington Site - North
Site:

Due Date Requested:
TAT Requested (days): Normal
PO #: MN0832
WO #:
Project #: 18013464
SSOW#:

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C / 7471B metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082A / 8081 PCB/Pest	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SSHS-B84-10-14 (12)	8/14/2014	1030	C,G	S	N	N	X	X	X	X	X		
SSHS-B87-0.17-2 (1.5)	8/14/2014	1057	C,G	S	N	N	X	X	X	X	X		
SSHS-B87-2-6 (5)	8/14/2014	1118	C,G	S	N	N	X	X	X	X	X		
SSHS-B87-6-10 (8)	8/14/2014	1122	C,G	S	N	N	X	X	X	X	X		
SSHS-B87-10-15 (12)	8/14/2014	1128	C,G	S	N	N	X	X	X	X	X		
SSHS-B81-0.17-2 (1.5)	8/14/2014	0900	C,G	S	N	N	X	X	X	X	X		
SSHS-B81-2-6 (4)	8/14/2014	0910	C,G	S	N	N	X	X	X	X	X		
SSHS-B81-6-10 (8)	8/14/2014	0915	C,G	S	N	N	X	X	X	X	X		
SSHS-B81-10-13.5 (10.5)	8/14/2014	0924	C,G	S	N	N	X	X	X	X	X		
SSHS-B76-SS	8/14/2014	1639	C,G	S	N	N	X	X	X	X	X		
SSHS-B76-0.17-2 (1.5)	8/14/2014	1641	C,G	S	N	N	X	X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:	
Relinquished by:	Date/Time: 8/15/14 705	Company: Geosyntec	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 8/15-14	Company: Express	Received by:	Date/Time: 8/15/14 1315	Company: TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam L. Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): Lab Courier	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 6 of 9
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:

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

Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C / 7471B metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082 D / 8081 PCB/Pest								Total Number of containers	Special Instructions/Note:
			Preservation Code:																	
SSHS-B26-A-SS	8/14/2014	0822	C,G	S	N	N	X	X	X	X	X									
SSHS-B26-A-0.17-2(0.5)	8/14/2014	0827	C,G	S	N	N	X	X	X	X	X									
SSHS-B26-A-2-6(2)	8/14/2014	0835	C,G	S	N	N	X	X	X	X	X									
SSHS-B26-A-6-8(7)	8/14/2014	0846	C,G	S	N	N	X	X	X	X	X									
SSHS-B26-A-13.5-15.5(15)	8/14/2014	0906	C,G	S	N	N	X	X	X	X	X									
SSHS-B70-SS	8/14/2014	1452	C,G	S	N	N	X	X	X	X	X									
SSHS-B70-0.17-2(1)	8/14/2014	1454	C,G	S	N	N	X	X	X	X	X									
SSHS-B70-2-6(3.5)	8/14/2014	1503	C,G	S	N	N	X	X	X	X	X									
SSHS-B70-6-10(7.5)	8/14/2014	1508	C,G	S	N	N	X	X	X	X	X									
SSHS-B70-10-14(12.5)	8/14/2014	1516	C,G	S	N	N	X	X	X	X	X									
SSHS-B80-0.17-2(1)	8/14/2014	1343	C,G	S	N	N	X	X	X	X	X									

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ________ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:	
Relinquished by:	Date/Time: 8/15/14 0705	Company: Geosyntec	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 8-15-14 ~~705~~ 1317	Company: Express	Received by:	Date/Time: 8/15/14	Company: TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact:
Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Adam L. Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): Lab Courier	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 5 of 9
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C / 7471B metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082A / 8081 PCB/Pest	Total Number of containers	Special Instructions/Note:
				Preservation Code:									
SSHS-B75-2-6(3) MS/MSD	8/14/2014	1545	C,G	S	N	*	X	X	X	X	X		
SSHS-B75-6-10(8)	8/14/2014	1558	C,G	S	N	N	X	X	X	X	X		
SSHS-B75-10-15(12.5)	8/14/2014	1611	C,G	S	N	N	X	X	X	X	X		
SSHS-B64-0.17-2(1)	8/14/2014	1058	C,G	S	N	N	X	X	X	X	X		
SSHS-B64-4-6(5)	8/14/2014	1106	C,G	S	N	N	X	X	X	X	X		
SSHS-B64-6-9(9)	8/14/2014	1113	C,G	S	N	N	X	X	X	X	X		
SSHS-B64-10-12(11)	8/14/2014	1120	C,G	S	N	N	X	X	X	X	X		
SSHS-B101-0.17-2(1)	8/14/2014	1137	C,G	S	N	N	X	X	X	X	X		
SSHS-B101-3-6(4)	8/14/2014	1146	C,G	S	N	N	X	X	X	X	X		
SSHS-B101-8-10(9)	8/14/2014	1158	C,G	S	N	N	X	X	X	X	X		
SSHS-B101-12-15.5(15)	8/14/2014	1205	C,G	S	N	N	X	X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time: 8/15/14 0705	Company: Geosyntec	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time: 8-15-14 1325	Company: Express	Received by: K. Br	Date/Time: 8/15/14 1315	Company: TAP
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Adam L. Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): Lab Carrier	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page ~~8~~ 9 of ~~8~~ 9
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10220 Old Columbia Road Suite A
City: Columbia
State, Zip: MD, 21046
Phone:
Email: agray@geosyntec.com
Project Name: Former Sperry Remington Site - North
Site:

Due Date Requested:
TAT Requested (days): Normal
PO #: MN0832
WO #:
Project #: 18013464
SSOW#:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C / 7471B metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs # LL+TICs	8082A / 8081 PCB/Pest								Total Number of containers	Special Instructions/Note:
			Preservation Code:																	
SSHS-B76-2-6(5)	8/14/2014	1643	C,G	S	N	N	X	X	X	X	X									
SSHS-B76-6-10(8)	8/14/2014	1656	C,G	S	N	N	X	X	X	X	X									
SSHS-B76-10-15(12.5)	8/14/2014	1704	C,G	S	N	N	X	X	X	X	X									
SSHS-B77-SS	8/14/2014	1725	C,G	S	N	N	X	X	X	X	X									
SSHS-B77-0.17-2(1.5)	8/14/2014	1731	C,G	S	N	N	X	X	X	X	X									
SSHS-B77-2-6(5)	8/14/2014	1738	C,G	S	N	N	X	X	X	X	X									
SSHS-B77-6-10(8)	8/14/2014	1744	C,G	S	N	N	X	X	X	X	X									
SSHS-B77-10-15(12.5)	8/14/2014	1750	C,G	S	N	N	X	X	X	X	X									
SSHS-B75-SS	8/14/2014	1532	C,G	S	N	N	X	X	X	X	X									
SSHS-B75-0.17-2(1.5)	8/14/2014	1537	C,G	S	N	N	X	X	X	X	X									
SSHS-B75-2-6(3)	8/14/2014	1545	C,G	S	N	Y	X	X	X	X	X									

Preservation Codes:

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

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: Adam L. Gray	Date/Time: 8/15/14 0205	Company: Geosyntec	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time: 8-15-14 ~~[illegible]~~	Company: Express	Received by: K. Butler	Date/Time: 8/15/14 1315	Company: TAL		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

Custody Seals Intact: △ Yes △ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Adam L Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): Lab Courier	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 7 of 9
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C / 7471B metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs, LL+TIC	8082D / 8081 PCB/Pests	Total Number of containers	Special Instructions/Note:
			Preservation Code:						EJ				
SSHS-B80-2-6(5)	8/14/2014	1352	C,G	S	N	N	X	X	X	X	X		
SSHS-B80-6-10(8)	8/14/2014	1400	C,G	S	N	N	X	X	X	X	X		
SSHS-B80-10-14.5(12.5)	8/14/2014	1410	C,G	S	N	N	X	X	X	X	X		
SSHS-B79-0.17-2(1)	8/14/2014	1300	C,G	S	N	N	X	X	X	X	X		
SSHS-B79-2-6(4.5)	8/14/2014	1305	C,G	S	N	N	X	X	X	X	X		
SSHS-B79-2-6(4.5) MS/MSD	8/14/2014	1305	C,G	S	N	*	X	X	X	X	X		
SSHS-B79-6-10(8)	8/14/2014	1311	C,G	S	N	N	X	X	X	X	X		
SSHS-B79-10-15(12.5)	8/14/2014	1318	C,G	S	N	N	X	X	X	X	X		
SSHS-B78-0.17-2(1.5)	8/14/2014	1150	C,G	S	N		X	X	X	X	X		
SSHS-B78-2-6(3.5)	8/14/2014	1157	C,G	S	N		X	X	X	X	X		
SSHS-B78-6-10(8)	8/14/2014	1203	C,G	S	N		X	X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 8/15/14 0705 1515	Company: Geosyntec	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 8-15-14 ~~705~~	Company: Express	Received by:	Date/Time: 8/15/14 1315	Company: TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam L. Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): Lab Carrier	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 8 of 9
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C / 7471B metals	Cyanide	8260B - VOCs LL+TICs	8270D - SVOCs LL+TICs	8082 D / 8081 PCB/Pest	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SSHS-B378-10-15(12)	8/14/2014	1210	C,G	S	N	N	X	X	X	X	X		
Dup-12	8/14/2014	—	C,G	S	N	N	X	X	X	X	X		
Dup-13	8/14/2014	—	C,G	S	N	N	X	X	X	X	X		
Dup-14	8/14/2014	—	C,G	S	N	N	X	X	X	X	X		
Dup-15	8/14/2014	—	C,G	S	N	N	X	X	X	X	X		
Dup-16	8/14/2014	—	C,G	S	N	N	X	X	X	X	X		
Dup-17	8/14/2014	—	C,G	S	N	N	X	X	X	X	X		
Dup-18	8/14/2014	—	C,G	S	N	N	X	X	X	X	X		
Dup-19	8/14/2014	—	C,G	S	N	N	X	X	X	X	X		

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 8/15/14 0705	Company: Geosyntec	Received by:	Date/Time: 8-15-14	Company: Express
Relinquished by:	Date/Time: 8-15-14 1315	Company: Express	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 8/15/14 1315	Company: TAP

Custody Seals Intact: △ Yes △ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Adam L. Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): Lab Courier	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 9 of 9
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B – VOCs LL+TICs	8015D – TPH-GRO	8015D – TPH-DRO	8082A – PCB LL	8081 – Pest LL	8270D – SVOCs LL+TICs	6010C / 7471B – metals	Cyanide	Total Number of containers	Special Instructions/Note:
			Preservation Code:													
SSHS-B26-A-GW-18-22	8/14/2014	0930	G	W	N	Y	X	X	X			X				Potential product (petroleum) in samples
SSHS-B26-A-GW-18-22 MS/MSD	8/14/2014	0930	G	W	N	Y	X	X	X			X				
20140814-Equipment Blank-Soil	8/14/2014	1755	G	W	N	N	X			X	X	X	X	X		
Trip Blank	8/14/2014	—	—	W	N	N	X									

Preservation Codes:

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

Other:

Possible Hazard Identification

☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 8/15/14 0705	Company: Geosyntec	Received by:	Date/Time: 8-15-14	Company
Relinquished by:	Date/Time: 8-15-14/1315	Company: Express	Received by:	Date/Time: 8-15-14	Company: TAT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc. Job Number: 180-35818-2

Login Number: 35818 **List Source: TestAmerica Pittsburgh**
List Number: 1
Creator: Butcher, Ryan M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

TestAmerica Job ID: 180-35858-1
Client Project/Site: Former Sperry Remington Site - North

For:
Geosyntec Consultants, Inc.
10220 Old Columbia Road
Suite A
Columbia, Maryland 21046

Attn: Mr. Aron Krasnopoler

Authorized for release by:
9/8/2014 8:23:22 AM

David Dunlap, Senior Project Manager
(412)963-2432
dave.dunlap@testamericainc.com

Table of Contents

Case Narrative

Job ID: 180-35858-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-35858-1

Receipt
The samples were received on 8/16/2014 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.1º C and 2.2º C.

GC/MS VOA
Method(s) 8260C: The following sample was analyzed via the methanol preserved terracore vial to bring the concentration of target analytes within the calibration range: SSHS-B43-A-SS (180-35858-13). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The recovery of surrogate 1,2-dichloroethane-d4 for the following sample was above the control limit: SSHS-B42-A-7-9 (8) (180-35858-25). As the recovery was high and there were no target compounds detected in the sample, the results were reported.

Method(s) 8260C: The laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) for prep batches 115779 and 115874 recovered above the control limits for the following analytes: carbon tetrachloride, trans-1,2-dichloroethene, 1,1,1-trichloroethane, and/or 1,1,2-trichloro-1,2,2-trifluoroethane. As these analytes were biased high in the LCS and were not detected in the associated samples, the results were reported.

Method(s) 8260C: The laboratory control sample duplicate (LCSD) for prep batch 115842 recovered outside of the control limits for the following analytes: bromomethane, chloroethane, and 1,2-dibromoethane. These analytes were not detected in the associated sample.

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

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The following sample was diluted due to the abundance of target analytes: SSHS-B100-0.17-2 (1.5) (180-35858-8). Elevated reporting limits (RLs) are provided.

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

Metals
Method(s) 6010C: The following sample was diluted to bring the concentration of iron within the linear range of the instrument: SSHS-B100-0.17-2 (1.5) (180-35858-8). Elevated reporting limits (RLs) are provided. Arsenic, nickel, lead, vanadium, and zinc were also reported from dilution due to interelement corrections associated with iron.

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

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

Definitions/Glossary

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	RPD of the LCS and LCSD exceeds the control limits
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery exceeds the control limits

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.
N	Presumptive evidence of material.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-15
California	State Program	9	2891	03-31-15
Connecticut	State Program	1	PH-0688	09-30-14 *
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	01-31-15
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-15
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-15
North Carolina (WW/SW)	State Program	4	434	12-31-14
Pennsylvania	NELAP	3	02-00416	04-30-15
South Carolina	State Program	4	89014	04-30-15
Texas	NELAP	6	T104704528	03-31-15
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P330-10-00139	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-14 *
West Virginia DEP	State Program	3	142	01-31-15
Wisconsin	State Program	5	998027800	08-31-14 *

* Certification renewal pending - certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-35858-1	SSHS-B72-SS	Solid	08/15/14 07:30	08/16/14 09:00
180-35858-2	SSHS-B72-0.17-2 (1)	Solid	08/15/14 07:45	08/16/14 09:00
180-35858-3	SSHS-B72-3-5 (4)	Solid	08/15/14 08:00	08/16/14 09:00
180-35858-4	SSHS-B72-6-10 (8)	Solid	08/15/14 08:20	08/16/14 09:00
180-35858-5	SSHS-B72-11.5-13.5 (12.5)	Solid	08/15/14 08:35	08/16/14 09:00
180-35858-8	SSHS-B100-0.17-2 (1.5)	Solid	08/15/14 12:10	08/16/14 09:00
180-35858-9	SSHS-B100-4-6 (5.5)	Solid	08/15/14 12:25	08/16/14 09:00
180-35858-10	SSHS-B100-6-10 (8)	Solid	08/15/14 12:35	08/16/14 09:00
180-35858-11	SSHS-B100-10-13.5 (12)	Solid	08/15/14 12:55	08/16/14 09:00
180-35858-13	SSHS-B43-A-SS	Solid	08/15/14 10:55	08/16/14 09:00
180-35858-14	SSHS-B43-A-0.17-2 (1.5)	Solid	08/15/14 11:00	08/16/14 09:00
180-35858-15	SSHS-B43-A-2-6 (4)	Solid	08/15/14 11:10	08/16/14 09:00
180-35858-16	SSHS-B43-A-7-9 (8)	Solid	08/15/14 11:35	08/16/14 09:00
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)	Solid	08/15/14 11:40	08/16/14 09:00
180-35858-19	SSHS-B71-0.17-2 (1.5)	Solid	08/15/14 08:50	08/16/14 09:00
180-35858-20	SSHS-B71-2.5-4.5 (3.5)	Solid	08/15/14 09:10	08/16/14 09:00
180-35858-21	SSHS-B71-6-9.5R (8)	Solid	08/15/14 09:25	08/16/14 09:00
180-35858-22	SSHS-B42-A-SS	Solid	08/15/14 10:00	08/16/14 09:00
180-35858-23	SSHS-B42-A-0.17-2 (1)	Solid	08/15/14 10:08	08/16/14 09:00
180-35858-24	SSHS-B42-A-3-5 (4)	Solid	08/15/14 10:15	08/16/14 09:00
180-35858-25	SSHS-B42-A-7-9 (8)	Solid	08/15/14 10:25	08/16/14 09:00
180-35858-26	SSHS-B42-A-11-13 (12)	Solid	08/15/14 10:35	08/16/14 09:00
180-35858-27	DUP-20	Solid	08/15/14 00:00	08/16/14 09:00
180-35858-28	DUP-21	Solid	08/15/14 00:00	08/16/14 09:00
180-35858-29	20140815-EQUIPMENT BLANK-SOIL	Water	08/15/14 13:00	08/16/14 09:00

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds (GC/MS)	SW846	TAL PIT
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PIT
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
8081B	Organochlorine Pesticides (GC)	SW846	TAL PIT
8081B_LL	Organochlorine Pesticides (GC)	SW846	TAL PIT
8082A	Polychlorinated Biphenyls (PCBs) (GC)	SW846	TAL PIT
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
6010C	Metals (ICP)	SW846	TAL PIT
7470A	Mercury (CVAA)	SW846	TAL PIT
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
9014	Cyanide	SW846	TAL PIT

Protocol References:

SM22 = SM22

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B72-SS

Lab Sample ID: 180-35858-1

Date Collected: 08/15/14 07:30
Date Received: 08/16/14 09:00

Matrix: Solid
Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0777 g	5 mL	115779	08/22/14 20:52	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.0777 g	5 mL	115777	08/23/14 05:32	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	116334	08/28/14 09:00	JPM	TAL PIT
Total/NA	Analysis	8270D		1	15.2 g	5.0 mL	116484	08/29/14 11:51	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.3 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.3 g	20.0 mL	116496	08/29/14 21:18	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.3 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116583	08/31/14 02:58	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.3 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116586	08/31/14 03:30	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00001.06 g	100 mL	116030	08/26/14 08:56	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.06 g	100 mL	116426	08/28/14 13:45	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			.65 g	100 mL	116358	08/28/14 10:28	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.65 g	100 mL	116423	08/28/14 13:39	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115267	08/19/14 14:00	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.98 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	116257	08/27/14 10:08	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B72-0.17-2 (1)

Lab Sample ID: 180-35858-2

Date Collected: 08/15/14 07:45
Date Received: 08/16/14 09:00

Matrix: Solid
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.939 g	5 mL	115779	08/22/14 20:52	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.939 g	5 mL	115777	08/23/14 05:54	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	116334	08/28/14 09:00	JPM	TAL PIT
Total/NA	Analysis	8270D		1	15.3 g	5.0 mL	116484	08/29/14 12:19	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.4 g	20.0 mL	116496	08/29/14 21:33	DFE	TAL PIT
	Instrument ID: CHGC15									

Client Sample ID: SSHS-B72-0.17-2 (1) Lab Sample ID: 180-35858-2

Date Collected: 08/15/14 07:45 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 92.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.4 g	20.0 mL	116583	08/31/14 03:30	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.4 g	20.0 mL	116586	08/31/14 04:03	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	3050B			00000.99 g	100 mL	116030	08/26/14 08:56	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116426	08/28/14 13:50	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			.67 g	100 mL	116358	08/28/14 10:28	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.67 g	100 mL	116423	08/28/14 13:41	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115267	08/19/14 14:00	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.04 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	116257	08/27/14 10:08	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B72-3-5 (4) Lab Sample ID: 180-35858-3

Date Collected: 08/15/14 08:00 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 94.1**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.4738 g	5 mL	115779	08/22/14 20:52	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.4738 g	5 mL	115777	08/23/14 06:16	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.3 g	5.0 mL	116334	08/28/14 09:00	JPM	TAL PIT
Total/NA	Analysis	8270D		1	15.3 g	5.0 mL	116484	08/29/14 12:46	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.4 g	20.0 mL	116496	08/29/14 21:49	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.4 g	20.0 mL	116583	08/31/14 04:03	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT

Client Sample ID: SSHS-B72-3-5 (4)

Lab Sample ID: 180-35858-3

Date Collected: 08/15/14 08:00

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.4 g	20.0 mL	116586	08/31/14 04:35	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	3050B			00001.03 g	100 mL	116030	08/26/14 08:56	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116426	08/28/14 13:55	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			.65 g	100 mL	116358	08/28/14 10:28	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.65 g	100 mL	116423	08/28/14 13:46	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115267	08/19/14 14:00	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.01 g	50 mL	116348	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	116408	08/28/14 11:47	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B72-6-10 (8)

Lab Sample ID: 180-35858-4

Date Collected: 08/15/14 08:20

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.5885 g	5 mL	115669	08/22/14 04:01	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.5885 g	5 mL	115665	08/22/14 07:17	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116334	08/28/14 09:00	JPM	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116484	08/29/14 13:13	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.3 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.3 g	20.0 mL	116496	08/29/14 22:04	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.3 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116583	08/31/14 04:35	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.3 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116586	08/31/14 05:07	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	3050B			00000.98 g	100 mL	116030	08/26/14 08:56	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.98 g	100 mL	116426	08/28/14 14:01	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			.60 g	100 mL	116358	08/28/14 10:28	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.60 g	100 mL	116423	08/28/14 13:48	LEM	TAL PIT
	Instrument ID:	K								

Lab Chronicle

Client Sample ID: SSHS-B72-6-10 (8) Lab Sample ID: 180-35858-4

Date Collected: 08/15/14 08:20 **Matrix: Solid**
Date Received: 08/16/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			115267	08/19/14 14:00	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.96 g	50 mL	116102	08/27/14 07:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.96 g	50 mL	116257	08/27/14 10:08	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B72-11.5-13.5 (12.5) Lab Sample ID: 180-35858-5

Date Collected: 08/15/14 08:35 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 92.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.4642 g	5 mL	115779	08/22/14 20:52	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.4642 g	5 mL	115777	08/23/14 06:38	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	116334	08/28/14 09:00	JPM	TAL PIT
Total/NA	Analysis	8270D		1	15.4 g	5.0 mL	116484	08/29/14 14:36	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.3 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.3 g	20.0 mL	116496	08/29/14 22:51	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.3 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116583	08/31/14 06:12	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.3 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116586	08/31/14 06:44	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00001.01 g	100 mL	116030	08/26/14 08:56	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.01 g	100 mL	116426	08/28/14 14:36	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			.66 g	100 mL	116358	08/28/14 10:28	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.66 g	100 mL	116423	08/28/14 13:53	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115273	08/19/14 14:31	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.04 g	50 mL	116348	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	116408	08/28/14 11:47	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Lab Chronicle

Client Sample ID: SSHS-B100-0.17-2 (1.5) **Lab Sample ID: 180-35858-8**

Date Collected: 08/15/14 12:10 **Matrix: Solid**

Date Received: 08/16/14 09:00 **Percent Solids: 90.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3476 g	5 mL	115874	08/25/14 04:25	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.3476 g	5 mL	115865	08/25/14 09:30	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	116334	08/28/14 09:00	JPM	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116484	08/29/14 15:03	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.0 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116496	08/29/14 23:07	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	20.0 mL	116583	08/31/14 06:44	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.0 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		10	15.0 g	20.0 mL	116586	08/31/14 07:16	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	3050B			00001.01 g	100 mL	116030	08/26/14 08:56	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.01 g	100 mL	116426	08/28/14 14:41	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	3050B			00001.01 g	100 mL	116030	08/26/14 08:56	RJR	TAL PIT
Total/NA	Analysis	6010C		2	00001.01 g	100 mL	116426	08/28/14 15:12	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			.62 g	100 mL	116358	08/28/14 10:28	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.62 g	100 mL	116423	08/28/14 13:55	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115273	08/19/14 14:31	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.99 g	50 mL	116348	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.99 g	50 mL	116408	08/28/14 11:47	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B100-4-6 (5.5) **Lab Sample ID: 180-35858-9**

Date Collected: 08/15/14 12:25 **Matrix: Solid**

Date Received: 08/16/14 09:00 **Percent Solids: 83.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6204 g	5 mL	115874	08/25/14 04:25	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.6204 g	5 mL	115865	08/25/14 09:52	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.2 g	5.0 mL	116334	08/28/14 09:00	JPM	TAL PIT
Total/NA	Analysis	8270D		1	15.2 g	5.0 mL	116484	08/29/14 15:30	VVP	TAL PIT
	Instrument ID:	CH733								

Client Sample ID: SSHS-B100-4-6 (5.5)

Lab Sample ID: 180-35858-9

Date Collected: 08/15/14 12:25

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20.0 mL	116496	08/29/14 23:22	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.2 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	116583	08/31/14 07:16	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.2 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	116586	08/31/14 07:49	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	3050B			00001.06 g	100 mL	116030	08/26/14 08:56	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.06 g	100 mL	116426	08/28/14 14:46	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			.65 g	100 mL	116358	08/28/14 10:28	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.65 g	100 mL	116423	08/28/14 13:56	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115273	08/19/14 14:31	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.95 g	50 mL	116348	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.95 g	50 mL	116408	08/28/14 11:47	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B100-6-10 (8)

Lab Sample ID: 180-35858-10

Date Collected: 08/15/14 12:35

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.5179 g	5 mL	115779	08/22/14 20:52	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.5179 g	5 mL	115777	08/23/14 07:45	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	116334	08/28/14 09:00	JPM	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116484	08/29/14 15:58	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.4 g	20.0 mL	116496	08/29/14 23:38	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.4 g	20.0 mL	116583	08/31/14 07:49	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B100-6-10 (8)

Lab Sample ID: 180-35858-10

Date Collected: 08/15/14 12:35

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.4 g	20.0 mL	116586	08/31/14 08:21	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00001.06 g	100 mL	116030	08/26/14 08:56	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.06 g	100 mL	116426	08/28/14 14:51	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			.64 g	100 mL	116358	08/28/14 10:28	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.64 g	100 mL	116423	08/28/14 13:58	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115273	08/19/14 14:31	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.04 g	50 mL	116348	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	116408	08/28/14 11:54	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B100-10-13.5 (12)

Lab Sample ID: 180-35858-11

Date Collected: 08/15/14 12:55

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9554 g	5 mL	115779	08/22/14 20:52	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.9554 g	5 mL	115777	08/23/14 08:08	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	116334	08/28/14 09:00	JPM	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116484	08/29/14 16:25	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.2 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.2 g	20.0 mL	116496	08/29/14 23:53	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.2 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	116583	08/31/14 08:21	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.2 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.2 g	20.0 mL	116586	08/31/14 08:53	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00001.01 g	100 mL	116030	08/26/14 08:56	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.01 g	100 mL	116426	08/28/14 14:57	RJG	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			.65 g	100 mL	116358	08/28/14 10:28	LEM	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B100-10-13.5 (12)

Lab Sample ID: 180-35858-11

Date Collected: 08/15/14 12:55

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		1	.65 g	100 mL	116423	08/28/14 14:00	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115273	08/19/14 14:31	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.04 g	50 mL	116348	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	116408	08/28/14 11:54	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B43-A-SS

Lab Sample ID: 180-35858-13

Date Collected: 08/15/14 10:55

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8838 g	5 mL	115842	08/24/14 10:06	PJJ	TAL PIT
Total/NA	Analysis	8260C		1	5.8838 g	5 mL	115898	08/25/14 17:11	PJJ	TAL PIT
	Instrument ID:	CHHP4								
Total/NA	Prep	3541			15.3 g	5.0 mL	116334	08/28/14 09:00	JPM	TAL PIT
Total/NA	Analysis	8270D		1	15.3 g	5.0 mL	116484	08/29/14 16:53	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.3 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.3 g	20.0 mL	116496	08/30/14 00:09	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.3 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116583	08/31/14 08:53	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.3 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116586	08/31/14 09:26	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	3050B			00001.01 g	100 mL	116030	08/26/14 08:56	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.01 g	100 mL	116426	08/28/14 15:02	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			.62 g	100 mL	116358	08/28/14 10:28	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.62 g	100 mL	116423	08/28/14 14:02	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115273	08/19/14 14:31	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.03 g	50 mL	116348	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	116408	08/28/14 11:54	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B43-A-0.17-2 (1.5)

Lab Sample ID: 180-35858-14

Date Collected: 08/15/14 11:00
Date Received: 08/16/14 09:00

Matrix: Solid
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0742 g	5 mL	115874	08/25/14 04:25	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.0742 g	5 mL	115865	08/25/14 10:14	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.4 g	5.0 mL	116334	08/28/14 09:00	JPM	TAL PIT
Total/NA	Analysis	8270D		1	15.4 g	5.0 mL	116484	08/29/14 17:20	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.4 g	20.0 mL	116496	08/30/14 00:24	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.4 g	20.0 mL	116583	08/31/14 09:26	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.4 g	20.0 mL	116586	08/31/14 09:58	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	3050B			00001.03 g	100 mL	116030	08/26/14 08:56	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116426	08/28/14 15:07	RJG	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			.62 g	100 mL	116358	08/28/14 10:28	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.62 g	100 mL	116423	08/28/14 14:07	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115273	08/19/14 14:31	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.01 g	50 mL	116348	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.01 g	50 mL	116408	08/28/14 11:54	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B43-A-2-6 (4)

Lab Sample ID: 180-35858-15

Date Collected: 08/15/14 11:10
Date Received: 08/16/14 09:00

Matrix: Solid
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9481 g	5 mL	115538	08/21/14 05:34	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.9481 g	5 mL	115535	08/21/14 08:25	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116431	08/28/14 16:17	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116484	08/29/14 19:37	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.1 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116644	08/31/14 13:21	DFE	TAL PIT
	Instrument ID:	CHGC15								

Lab Chronicle

Client Sample ID: SSHS-B43-A-2-6 (4) Lab Sample ID: 180-35858-15

Date Collected: 08/15/14 11:10 **Matrix: Solid**

Date Received: 08/16/14 09:00 **Percent Solids: 89.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116529	08/29/14 12:31	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116531	08/29/14 12:32	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116627	09/01/14 00:21	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.1 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116529	08/29/14 12:31	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116531	08/29/14 12:32	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116625	09/01/14 00:52	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.03 g	100 mL	116032	08/26/14 08:58	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.03 g	100 mL	116453	08/28/14 15:54	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			.64 g	100 mL	116360	08/28/14 10:30	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.64 g	100 mL	116423	08/28/14 14:12	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115267	08/19/14 14:00	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.02 g	50 mL	116348	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	116408	08/28/14 11:54	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B43-A-7-9 (8) Lab Sample ID: 180-35858-16

Date Collected: 08/15/14 11:35 **Matrix: Solid**

Date Received: 08/16/14 09:00 **Percent Solids: 91.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8611 g	5 mL	115874	08/25/14 04:25	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.8611 g	5 mL	115865	08/25/14 10:37	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	116334	08/28/14 09:00	JPM	TAL PIT
Total/NA	Analysis	8270D		1	15.4 g	5.0 mL	116484	08/29/14 17:47	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.4 g	20.0 mL	116496	08/30/14 00:40	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.4 g	20.0 mL	116583	08/31/14 09:58	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT

Lab Chronicle

Client Sample ID: SSHS-B43-A-7-9 (8)

Lab Sample ID: 180-35858-16

Date Collected: 08/15/14 11:35

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.4 g	20.0 mL	116586	08/31/14 10:30	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	3050B			00001.09 g	100 mL	116032	08/26/14 08:58	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.09 g	100 mL	116453	08/28/14 16:19	RJR	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			.61 g	100 mL	116360	08/28/14 10:30	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.61 g	100 mL	116423	08/28/14 14:18	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115267	08/19/14 14:00	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.03 g	50 mL	116348	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.03 g	50 mL	116408	08/28/14 11:54	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B43-A-11.5-13.5 (12.5)

Lab Sample ID: 180-35858-17

Date Collected: 08/15/14 11:40

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2581 g	5 mL	115874	08/25/14 04:25	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.2581 g	5 mL	115865	08/25/14 10:59	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.2 g	5.0 mL	116334	08/28/14 09:00	JPM	TAL PIT
Total/NA	Analysis	8270D		1	15.2 g	5.0 mL	116484	08/29/14 18:15	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.4 g	20.0 mL	116496	08/30/14 00:55	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.4 g	20.0 mL	116583	08/31/14 10:30	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.4 g	20.0 mL	116586	08/31/14 11:03	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	3050B			00000.97 g	100 mL	116032	08/26/14 08:58	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.97 g	100 mL	116453	08/28/14 16:24	RJR	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			.67 g	100 mL	116360	08/28/14 10:30	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.67 g	100 mL	116423	08/28/14 14:19	LEM	TAL PIT
	Instrument ID:	K								

Client Sample ID: SSHS-B43-A-11.5-13.5 (12.5)

Lab Sample ID: 180-35858-17

Date Collected: 08/15/14 11:40
Matrix: Solid
Date Received: 08/16/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			115273	08/19/14 14:31	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.00 g	50 mL	116348	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	116408	08/28/14 11:54	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B71-0.17-2 (1.5)

Lab Sample ID: 180-35858-19

Date Collected: 08/15/14 08:50
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.176 g	5 mL	115874	08/25/14 04:25	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.176 g	5 mL	115865	08/25/14 11:21	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.1 g	5.0 mL	116334	08/28/14 09:00	JPM	TAL PIT
Total/NA	Analysis	8270D		1	15.1 g	5.0 mL	116484	08/29/14 18:42	VVP	TAL PIT
	Instrument ID:	CH733								
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:28	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.4 g	20.0 mL	116496	08/30/14 02:29	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:28	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.4 g	20.0 mL	116583	08/31/14 11:35	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3541			15.4 g	20.0 mL	116335	08/28/14 09:28	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.4 g	20.0 mL	116586	08/31/14 12:07	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	3050B			00001.00 g	100 mL	116032	08/26/14 08:58	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.00 g	100 mL	116453	08/28/14 16:29	RJR	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			.60 g	100 mL	116360	08/28/14 10:30	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.60 g	100 mL	116423	08/28/14 14:21	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115273	08/19/14 14:31	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.04 g	50 mL	116348	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.04 g	50 mL	116408	08/28/14 12:02	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B71-2.5-4.5 (3.5)

Lab Sample ID: 180-35858-20

Date Collected: 08/15/14 09:10
Date Received: 08/16/14 09:00

Matrix: Solid
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2655 g	5 mL	115874	08/25/14 04:25	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.2655 g	5 mL	115865	08/25/14 11:43	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	116334	08/28/14 09:00	JPM	TAL PIT
Total/NA	Analysis	8270D		1	15.4 g	5.0 mL	116484	08/29/14 19:09	VVP	TAL PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.3 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Analysis	8081B		1	15.3 g	20.0 mL	116496	08/30/14 01:11	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.3 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116583	08/31/14 11:03	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.3 g	20.0 mL	116335	08/28/14 09:02	JPM	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116455	08/29/14 05:54	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116457	08/29/14 05:56	JMO	TAL PIT
Total/NA	Analysis	8082A		1	15.3 g	20.0 mL	116586	08/31/14 11:35	AKG	TAL PIT
	Instrument ID: CHGC8_R									
Total/NA	Prep	3050B			00001.07 g	100 mL	116032	08/26/14 08:58	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.07 g	100 mL	116453	08/28/14 16:44	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			.60 g	100 mL	116360	08/28/14 10:30	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.60 g	100 mL	116423	08/28/14 14:23	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115267	08/19/14 14:00	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.02 g	50 mL	116348	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	116408	08/28/14 12:02	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B71-6-9.5R (8)

Lab Sample ID: 180-35858-21

Date Collected: 08/15/14 09:25
Date Received: 08/16/14 09:00

Matrix: Solid
Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5743 g	5 mL	115874	08/25/14 04:25	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.5743 g	5 mL	115865	08/25/14 12:06	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116431	08/28/14 16:17	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116523	08/29/14 18:05	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116644	08/31/14 14:08	DFE	TAL PIT
	Instrument ID: CHGC15									

Lab Chronicle

Client Sample ID: SSHS-B71-6-9.5R (8)

Lab Sample ID: 180-35858-21

Date Collected: 08/15/14 09:25

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116529	08/29/14 12:31	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116531	08/29/14 12:32	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116627	09/01/14 01:55	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116529	08/29/14 12:31	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116531	08/29/14 12:32	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116625	09/01/14 02:26	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.02 g	100 mL	116032	08/26/14 08:58	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.02 g	100 mL	116453	08/28/14 16:50	RJR	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			.62 g	100 mL	116360	08/28/14 10:30	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.62 g	100 mL	116423	08/28/14 14:28	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115267	08/19/14 14:00	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.00 g	50 mL	116348	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	116408	08/28/14 12:02	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B42-A-SS

Lab Sample ID: 180-35858-22

Date Collected: 08/15/14 10:00

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2497 g	5 mL	115874	08/25/14 04:25	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.2497 g	5 mL	115865	08/25/14 12:28	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116431	08/28/14 16:17	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116523	08/29/14 18:33	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116644	08/31/14 14:23	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116529	08/29/14 12:31	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116531	08/29/14 12:32	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116627	09/01/14 02:26	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116529	08/29/14 12:31	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116531	08/29/14 12:32	DFE	TAL PIT

Lab Chronicle

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35858-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B42-A-SS Lab Sample ID: 180-35858-22

Date Collected: 08/15/14 10:00 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 82.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116625	09/01/14 02:58	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00000.99 g	100 mL	116032	08/26/14 08:58	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.99 g	100 mL	116453	08/28/14 16:55	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			.61 g	100 mL	116360	08/28/14 10:30	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.61 g	100 mL	116423	08/28/14 14:30	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115267	08/19/14 14:00	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.96 g	50 mL	116348	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.96 g	50 mL	116408	08/28/14 12:02	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B42-A-0.17-2 (1) Lab Sample ID: 180-35858-23

Date Collected: 08/15/14 10:08 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 86.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9179 g	5 mL	115874	08/25/14 04:25	KLG	TAL PIT
Total/NA	Analysis	8260C		1	4.9179 g	5 mL	115865	08/25/14 12:50	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116431	08/28/14 16:17	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116523	08/29/14 19:02	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116644	08/31/14 14:39	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116529	08/29/14 12:31	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116531	08/29/14 12:32	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116627	09/01/14 02:58	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116529	08/29/14 12:31	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116531	08/29/14 12:32	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116625	09/01/14 03:29	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.07 g	100 mL	116032	08/26/14 08:58	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.07 g	100 mL	116453	08/28/14 17:00	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			.61 g	100 mL	116360	08/28/14 10:30	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.61 g	100 mL	116423	08/28/14 14:31	LEM	TAL PIT
	Instrument ID: K									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B42-A-0.17-2 (1)

Lab Sample ID: 180-35858-23
Date Collected: 08/15/14 10:08
Matrix: Solid
Date Received: 08/16/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			115267	08/19/14 14:00	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.97 g	50 mL	116348	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.97 g	50 mL	116408	08/28/14 12:02	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B42-A-3-5 (4)

Lab Sample ID: 180-35858-24
Date Collected: 08/15/14 10:15
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3.8871 g	5 mL	115874	08/25/14 04:25	KLG	TAL PIT
Total/NA	Analysis	8260C		1	3.8871 g	5 mL	115865	08/25/14 13:12	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116431	08/28/14 16:17	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116523	08/29/14 19:30	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116644	08/31/14 14:55	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116529	08/29/14 12:31	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116531	08/29/14 12:32	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116627	09/01/14 03:29	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116529	08/29/14 12:31	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116531	08/29/14 12:32	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116625	09/01/14 04:01	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.06 g	100 mL	116032	08/26/14 08:58	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.06 g	100 mL	116453	08/28/14 17:05	RJR	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			.66 g	100 mL	116360	08/28/14 10:30	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.66 g	100 mL	116423	08/28/14 14:33	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115267	08/19/14 14:00	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.98 g	50 mL	116348	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.98 g	50 mL	116408	08/28/14 12:02	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: SSHS-B42-A-7-9 (8)

Lab Sample ID: 180-35858-25

Date Collected: 08/15/14 10:25

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2985 g	5 mL	115874	08/25/14 04:25	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.2985 g	5 mL	115865	08/25/14 13:34	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116431	08/28/14 16:17	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116523	08/29/14 19:59	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.1 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.1 g	20.0 mL	116644	08/31/14 15:10	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.1 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116529	08/29/14 12:31	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116531	08/29/14 12:32	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116627	09/01/14 04:01	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3541			15.1 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116529	08/29/14 12:31	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116531	08/29/14 12:32	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	20.0 mL	116625	09/01/14 04:32	AKG	TAL PIT
	Instrument ID: CHGC10_R									
Total/NA	Prep	3050B			00001.04 g	100 mL	116032	08/26/14 08:58	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.04 g	100 mL	116453	08/28/14 17:10	RJR	TAL PIT
	Instrument ID: C									
Total/NA	Prep	7471B			.60 g	100 mL	116360	08/28/14 10:30	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.60 g	100 mL	116423	08/28/14 14:35	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	2540G		1			115267	08/19/14 14:00	AJB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			.97 g	50 mL	116348	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.97 g	50 mL	116408	08/28/14 12:02	PGJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SSHS-B42-A-11-13 (12)

Lab Sample ID: 180-35858-26

Date Collected: 08/15/14 10:35

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4435 g	5 mL	115874	08/25/14 04:25	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.4435 g	5 mL	115865	08/25/14 13:57	KLG	TAL PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	116431	08/28/14 16:17	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116523	08/29/14 20:27	VVP	TAL PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116644	08/31/14 15:26	DFE	TAL PIT
	Instrument ID: CHGC15									

Lab Chronicle

Client Sample ID: SSHS-B42-A-11-13 (12)

Lab Sample ID: 180-35858-26

Date Collected: 08/15/14 10:35
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116529	08/29/14 12:31	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116531	08/29/14 12:32	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116627	09/01/14 04:32	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116529	08/29/14 12:31	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116531	08/29/14 12:32	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116625	09/01/14 05:04	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.08 g	100 mL	116032	08/26/14 08:58	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116453	08/28/14 17:15	RJR	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			.65 g	100 mL	116360	08/28/14 10:30	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.65 g	100 mL	116423	08/28/14 14:37	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115267	08/19/14 14:00	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.02 g	50 mL	116351	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	116408	08/28/14 12:09	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: DUP-20

Lab Sample ID: 180-35858-27

Date Collected: 08/15/14 00:00
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8069 g	5 mL	115874	08/25/14 04:25	KLG	TAL PIT
Total/NA	Analysis	8260C		1	5.8069 g	5 mL	115865	08/25/14 14:20	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116431	08/28/14 16:17	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116523	08/29/14 20:55	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116644	08/31/14 15:41	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116529	08/29/14 12:31	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116531	08/29/14 12:32	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116627	09/01/14 05:04	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:07	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116529	08/29/14 12:31	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116531	08/29/14 12:32	DFE	TAL PIT

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: DUP-20

Lab Sample ID: 180-35858-27

Date Collected: 08/15/14 00:00
Date Received: 08/16/14 09:00

Matrix: Solid
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116625	09/01/14 05:35	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00001.08 g	100 mL	116032	08/26/14 08:58	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00001.08 g	100 mL	116453	08/28/14 17:20	RJR	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			.64 g	100 mL	116360	08/28/14 10:30	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.64 g	100 mL	116423	08/28/14 14:38	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	2540G		1			115267	08/19/14 14:00	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			1.02 g	50 mL	116351	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.02 g	50 mL	116408	08/28/14 12:09	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: DUP-21

Lab Sample ID: 180-35858-28

Date Collected: 08/15/14 00:00
Date Received: 08/16/14 09:00

Matrix: Solid
Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.0984 g	5 mL	115874	08/25/14 04:25	KLG	TAL PIT
Total/NA	Analysis	8260C		1	6.0984 g	5 mL	115865	08/25/14 14:42	KLG	TAL PIT
	Instrument ID:	CHHP3								
Total/NA	Prep	3541			15.0 g	5.0 mL	116431	08/28/14 16:17	BJT	TAL PIT
Total/NA	Analysis	8270D		1	15.0 g	5.0 mL	116523	08/29/14 21:24	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:10	BJT	TAL PIT
Total/NA	Analysis	8081B		1	15.0 g	20.0 mL	116644	08/31/14 15:57	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:10	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116529	08/29/14 12:31	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116531	08/29/14 12:32	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116627	09/01/14 05:35	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3541			15.0 g	20.0 mL	116429	08/28/14 16:10	BJT	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	116529	08/29/14 12:31	DFE	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	116531	08/29/14 12:32	DFE	TAL PIT
Total/NA	Analysis	8082A		1	15.0 g	20.0 mL	116625	09/01/14 06:07	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total/NA	Prep	3050B			00000.95 g	100 mL	116032	08/26/14 08:58	RJR	TAL PIT
Total/NA	Analysis	6010C		1	00000.95 g	100 mL	116453	08/28/14 17:26	RJR	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7471B			.67 g	100 mL	116360	08/28/14 10:30	LEM	TAL PIT
Total/NA	Analysis	7471B		1	.67 g	100 mL	116423	08/28/14 14:40	LEM	TAL PIT
	Instrument ID:	K								

Client Sample ID: DUP-21

Lab Sample ID: 180-35858-28

Date Collected: 08/15/14 00:00

Matrix: Solid

Date Received: 08/16/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			115273	08/19/14 14:31	AJB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			.96 g	50 mL	116351	08/28/14 09:30	PGJ	TAL PIT
Total/NA	Analysis	9014		1	.96 g	50 mL	116408	08/28/14 12:09	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Client Sample ID: 20140815-EQUIPMENT BLANK-SOIL

Lab Sample ID: 180-35858-29

Date Collected: 08/15/14 13:00

Matrix: Water

Date Received: 08/16/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	115910	08/25/14 17:29	DLF	TAL PIT
	Instrument ID:	CHHP6								
Total/NA	Prep	3520C			250 mL	0.25 mL	115557	08/21/14 08:26	BJT	TAL PIT
Total/NA	Analysis	8270D LL		1	250 mL	0.25 mL	116057	08/26/14 19:52	VVP	TAL PIT
	Instrument ID:	CH732								
Total/NA	Prep	3510C			1030 mL	1.0 mL	115137	08/18/14 14:32	JPM	TAL PIT
Total/NA	Analysis	8081B_LL		1	1030 mL	1.0 mL	115424	08/20/14 16:12	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3510C			1030 mL	1.0 mL	115137	08/18/14 14:32	JPM	TAL PIT
Total/NA	Analysis	8082A		1	1030 mL	1.0 mL	115456	08/21/14 04:02	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3510C			1030 mL	1.0 mL	115137	08/18/14 14:32	JPM	TAL PIT
Total/NA	Analysis	8082A		1	1030 mL	1.0 mL	115470	08/20/14 23:51	AKG	TAL PIT
	Instrument ID:	CHGC10_R								
Total Recoverable	Prep	3005A			50 mL	50 mL	115230	08/19/14 10:06	SLB	TAL PIT
Total Recoverable	Analysis	6010C		1	50 mL	50 mL	116140	08/26/14 15:13	RJR	TAL PIT
	Instrument ID:	Q								
Total Recoverable	Prep	3005A			50 mL	50 mL	115230	08/19/14 10:06	SLB	TAL PIT
Total Recoverable	Analysis	6010C		1	50 mL	50 mL	116283	08/27/14 15:50	RJR	TAL PIT
	Instrument ID:	Q								
Total/NA	Prep	7470A			50 mL	50 mL	115423	08/20/14 10:20	LEM	TAL PIT
Total/NA	Analysis	7470A		1	50 mL	50 mL	115556	08/20/14 15:05	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Prep	9010C			50 mL	50 mL	116219	08/27/14 12:00	PGJ	TAL PIT
Total/NA	Analysis	9014		1	50 mL	50 mL	116257	08/27/14 14:01	PGJ	TAL PIT
	Instrument ID:	KONELAB1								

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Analyst References:

Lab: TAL PIT

Batch Type: Cleanup

DFE = David Eppinger

JMO = John Oravec

Batch Type: Prep

BJT = Bill Trout

JPM = Jeremy Merriman

KLG = Kathy Gordon

LEM = Lauren McGrath

PGJ = Paul Johnson

PJJ = Patrick Journet

RJR = Ron Rosenbaum

SLB = Sandy Becker

Batch Type: Analysis

AJB = Amanda Brunick

AKG = Ashok Gupta

DFE = David Eppinger

DLF = Donald Ferguson

KLG = Kathy Gordon

LEM = Lauren McGrath

PGJ = Paul Johnson

PJJ = Patrick Journet

RJG = Rob Good

RJR = Ron Rosenbaum

VVP = Vincent Piccolino

Client Sample Results

Client Sample ID: SSHS-B72-SS **Lab Sample ID: 180-35858-1**
Date Collected: 08/15/14 07:30 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 82.4**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	6.0	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Benzene	ND		6.0	0.81	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Bromoform	ND		6.0	0.53	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Bromomethane	ND		6.0	0.88	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
2-Butanone (MEK)	ND		6.0	1.1	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Carbon disulfide	ND		6.0	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Carbon tetrachloride	ND	*	6.0	0.53	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Chlorobenzene	ND		6.0	0.91	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Chlorobromomethane	ND		6.0	0.82	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Chlorodibromomethane	ND		6.0	0.85	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Chloroethane	ND		6.0	1.9	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Chloroform	ND		6.0	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Chloromethane	ND		6.0	1.0	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
cis-1,2-Dichloroethene	ND		6.0	0.84	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
cis-1,3-Dichloropropene	ND		6.0	0.81	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Cyclohexane	ND		6.0	0.44	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
1,2-Dibromo-3-Chloropropane	ND		6.0	0.89	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
1,2-Dibromoethane	ND		6.0	1.0	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
1,2-Dichlorobenzene	ND		6.0	0.95	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
1,3-Dichlorobenzene	ND		6.0	0.78	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
1,4-Dichlorobenzene	ND		6.0	0.76	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Dichlorobromomethane	ND		6.0	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Dichlorodifluoromethane	ND		6.0	0.80	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
1,1-Dichloroethane	ND		6.0	0.69	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
1,2-Dichloroethane	ND		6.0	0.73	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
1,1-Dichloroethene	ND		6.0	1.0	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
1,2-Dichloropropane	ND		6.0	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
1,4-Dioxane	ND		1200	330	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Ethylbenzene	ND		6.0	0.77	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
2-Hexanone	ND		6.0	0.83	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Isopropylbenzene	ND		6.0	0.81	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Methyl acetate	ND		6.0	1.1	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Methylcyclohexane	ND		6.0	0.87	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Methylene Chloride	ND		6.0	0.80	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
4-Methyl-2-pentanone (MIBK)	ND		6.0	0.78	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Methyl tert-butyl ether	ND		6.0	0.89	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
m-Xylene & p-Xylene	ND		12	1.8	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
o-Xylene	ND		6.0	0.93	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Styrene	ND		6.0	0.84	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
1,1,2,2-Tetrachloroethane	ND		6.0	0.86	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Tetrachloroethene	ND		6.0	0.81	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Toluene	ND		6.0	0.87	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
trans-1,2-Dichloroethene	ND	*	6.0	0.71	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
trans-1,3-Dichloropropene	ND		6.0	0.71	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
1,2,3-Trichlorobenzene	ND		6.0	1.0	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
1,2,4-Trichlorobenzene	ND		6.0	1.1	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
1,1,1-Trichloroethane	ND	*	6.0	0.58	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
1,1,2-Trichloroethane	ND		6.0	0.99	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Trichloroethene	ND		6.0	0.79	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1

Client Sample Results

Client Sample ID: SSHS-B72-SS

Lab Sample ID: 180-35858-1

Date Collected: 08/15/14 07:30
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		6.0	1.1	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	6.0	1.3	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1
Vinyl chloride	ND		6.0	0.56	ug/Kg	☼	08/22/14 20:52	08/23/14 05:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 20:52*	*08/23/14 05:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*63 - 120*	*08/22/14 20:52*	*08/23/14 05:32*	*1*
Dibromofluoromethane (Surr)	*111*		*68 - 121*	*08/22/14 20:52*	*08/23/14 05:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*52 - 124*	*08/22/14 20:52*	*08/23/14 05:32*	*1*
Toluene-d8 (Surr)	*103*		*72 - 127*	*08/22/14 20:52*	*08/23/14 05:32*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	7.7	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Acenaphthylene	**33**	**J**	80	9.2	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Acetophenone	ND		400	33	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Anthracene	**81**		80	7.8	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Atrazine	ND		400	39	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Benzaldehyde	ND		400	60	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Benzo[a]anthracene	**290**		80	10	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Benzo[a]pyrene	**270**		80	8.0	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Benzo[b]fluoranthene	**330**		80	13	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Benzo[g,h,i]perylene	**200**		80	8.0	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Benzo[k]fluoranthene	**140**		80	16	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
1,1'-Biphenyl	ND		400	36	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Bis(2-chloroethoxy)methane	ND		400	26	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Bis(2-chloroethyl)ether	ND		80	11	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Bis(2-ethylhexyl) phthalate	ND		800	65	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
4-Bromophenyl phenyl ether	ND		400	35	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Butyl benzyl phthalate	ND		400	55	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Caprolactam	ND		2000	300	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Carbazole	**45**	**J**	80	7.4	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
4-Chloroaniline	ND		400	32	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
4-Chloro-3-methylphenol	ND		400	37	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
2-Chloronaphthalene	ND		80	8.3	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
2-Chlorophenol	ND		400	33	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
4-Chlorophenyl phenyl ether	ND		400	44	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Chrysene	**240**		80	9.5	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Dibenz(a,h)anthracene	**57**	**J**	80	8.9	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Dibenzofuran	ND		400	39	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
3,3'-Dichlorobenzidine	ND		400	42	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
2,4-Dichlorophenol	ND		80	8.0	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Diethyl phthalate	ND		400	44	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
2,4-Dimethylphenol	ND		400	62	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Dimethyl phthalate	ND		400	44	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Di-n-butyl phthalate	ND		400	50	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
2,4-Dinitrophenol	ND		2000	480	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1

Client Sample ID: SSHS-B72-SS
Date Collected: 08/15/14 07:30
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-1
Matrix: Solid
Percent Solids: 82.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		400	32	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
2,6-Dinitrotoluene	ND		400	41	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Di-n-octyl phthalate	ND		400	42	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
1,4-Dioxane	ND		800	46	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Fluoranthene	**580**		80	8.5	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Fluorene	**14**	**J**	80	11	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Hexachlorobenzene	ND		80	8.5	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Hexachlorobutadiene	ND		80	8.9	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Hexachlorocyclopentadiene	ND		400	43	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Hexachloroethane	ND		400	29	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Indeno[1,2,3-cd]pyrene	**180**		80	8.2	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Isophorone	ND		400	30	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
2-Methylnaphthalene	**9.6**	**J**	80	7.2	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
2-Methylphenol	ND		400	28	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Methylphenol, 3 & 4	ND		400	39	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Naphthalene	**27**	**J**	80	6.9	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Nitrobenzene	ND		800	33	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
2-Nitrophenol	ND		400	44	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
4-Nitrophenol	ND		2000	150	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
N-Nitrosodi-n-propylamine	ND		80	9.4	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
N-Nitrosodiphenylamine	ND		400	37	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
2,2'-oxybis[1-chloropropane]	ND		80	8.6	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Pentachlorophenol	ND		400	36	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Phenanthrene	**320**		80	13	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Phenol	ND		80	9.4	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
Pyrene	**470**		80	8.1	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
1,2,4,5-Tetrachlorobenzene	ND		400	30	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
2,3,4,6-Tetrachlorophenol	ND		400	26	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
2,4,5-Trichlorophenol	ND		400	43	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1
2,4,6-Trichlorophenol	ND		400	60	ug/Kg	☼	08/28/14 09:00	08/29/14 11:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*500*	*T J*	*ug/Kg*	☼	*16.18*		*08/28/14 09:00*	*08/29/14 11:51*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*16.59*		*08/28/14 09:00*	*08/29/14 11:51*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*16.92*		*08/28/14 09:00*	*08/29/14 11:51*	*1*
Unknown	*330*	*T J*	*ug/Kg*	☼	*17.67*		*08/28/14 09:00*	*08/29/14 11:51*	*1*
Unknown	*510*	*T J*	*ug/Kg*	☼	*18.05*		*08/28/14 09:00*	*08/29/14 11:51*	*1*
Unknown	*520*	*T J*	*ug/Kg*	☼	*18.61*		*08/28/14 09:00*	*08/29/14 11:51*	*1*
Unknown	*410*	*T J*	*ug/Kg*	☼	*19.19*		*08/28/14 09:00*	*08/29/14 11:51*	*1*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*20.81*		*08/28/14 09:00*	*08/29/14 11:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*35 - 105*	*08/28/14 09:00*	*08/29/14 11:51*	*1*
2-Fluorophenol (Surr)	*58*		*39 - 103*	*08/28/14 09:00*	*08/29/14 11:51*	*1*
Nitrobenzene-d5 (Surr)	*60*		*25 - 104*	*08/28/14 09:00*	*08/29/14 11:51*	*1*
Phenol-d5 (Surr)	*58*		*25 - 105*	*08/28/14 09:00*	*08/29/14 11:51*	*1*
Terphenyl-d14 (Surr)	*56*		*25 - 127*	*08/28/14 09:00*	*08/29/14 11:51*	*1*

Client Sample ID: SSHS-B72-SS
Date Collected: 08/15/14 07:30
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-1
Matrix: Solid
Percent Solids: 82.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*60*		*35 - 124*	*08/28/14 09:00*	*08/29/14 11:51*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.35	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
alpha-BHC	ND		2.0	0.32	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
alpha-Chlordane	ND		2.0	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
beta-BHC	ND		2.0	0.51	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
4,4'-DDD	**0.27**	**J p**	2.0	0.26	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
4,4'-DDE	**0.64**	**J p**	2.0	0.30	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
4,4'-DDT	**0.83**	**J**	2.0	0.30	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
delta-BHC	ND		2.0	0.30	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
Dieldrin	**1.2**	**J**	2.0	0.33	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
Endosulfan I	ND		2.0	0.37	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
Endosulfan II	ND		2.0	0.35	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
Endosulfan sulfate	ND		2.0	0.21	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
Endrin	ND		2.0	0.38	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
Endrin aldehyde	ND		2.0	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
Endrin ketone	ND		2.0	0.31	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
gamma-BHC (Lindane)	ND		2.0	0.35	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
gamma-Chlordane	ND		2.0	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
Heptachlor	**1.5**	**J**	2.0	0.44	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
Heptachlor epoxide	ND		2.0	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
Methoxychlor	ND		3.9	0.41	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1
Toxaphene	ND		80	13	ug/Kg	☼	08/28/14 09:02	08/29/14 21:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*08/28/14 09:02*	*08/29/14 21:18*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/28/14 09:02*	*08/29/14 21:18*	*1*
Tetrachloro-m-xylene	*69*		*45 - 130*	*08/28/14 09:02*	*08/29/14 21:18*	*1*
Tetrachloro-m-xylene	*67*		*45 - 130*	*08/28/14 09:02*	*08/29/14 21:18*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	3.0	ug/Kg	☼	08/28/14 09:02	08/31/14 02:58	1
PCB-1221	ND		20	3.8	ug/Kg	☼	08/28/14 09:02	08/31/14 02:58	1
PCB-1232	ND		20	3.4	ug/Kg	☼	08/28/14 09:02	08/31/14 02:58	1
PCB-1242	ND		20	3.2	ug/Kg	☼	08/28/14 09:02	08/31/14 02:58	1
PCB-1248	ND		20	1.9	ug/Kg	☼	08/28/14 09:02	08/31/14 02:58	1
PCB-1254	ND		20	2.8	ug/Kg	☼	08/28/14 09:02	08/31/14 02:58	1
PCB-1260	ND		20	2.8	ug/Kg	☼	08/28/14 09:02	08/31/14 02:58	1
PCB-1262	ND		20	4.3	ug/Kg	☼	08/28/14 09:02	08/31/14 02:58	1
PCB-1268	ND		20	2.5	ug/Kg	☼	08/28/14 09:02	08/31/14 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/28/14 09:02*	*08/31/14 02:58*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*	*08/28/14 09:02*	*08/31/14 03:30*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*45 - 135*	*08/28/14 09:02*	*08/31/14 02:58*	*1*
Tetrachloro-m-xylene (Surr)	*69*		*45 - 135*	*08/28/14 09:02*	*08/31/14 03:30*	*1*

Client Sample ID: SSHS-B72-SS

Lab Sample ID: 180-35858-1

Date Collected: 08/15/14 07:30

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 82.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		23	2.4	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Antimony	ND		1.1	0.23	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Arsenic	**8.4**		1.1	0.35	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Barium	**100**		23	0.015	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Beryllium	**0.55**		0.46	0.013	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Cadmium	**0.11**	**J**	0.57	0.016	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Calcium	**2100**		570	1.7	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Chromium	**14**		0.57	0.088	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Cobalt	**9.3**		5.7	0.048	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Copper	**16**		2.9	0.16	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Iron	**20000**		11	1.0	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Lead	**18**		1.1	0.12	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Magnesium	**3100**		570	2.4	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Manganese	**490**		1.7	0.10	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Nickel	**21**	**B**	4.6	0.054	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Potassium	**900**		570	7.3	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Selenium	**0.50**	**J**	1.1	0.31	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Silver	ND		0.57	0.046	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Sodium	**43**	**J**	570	1.2	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Thallium	**0.18**	**J**	2.3	0.17	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Vanadium	**15**		5.7	0.20	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1
Zinc	**60**	**B**	2.3	0.12	mg/Kg	☼	08/26/14 08:56	08/28/14 13:45	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.033**	**J**	0.037	0.012	mg/Kg	☼	08/28/14 10:28	08/28/14 13:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18**		0.10	0.10	%			08/19/14 14:00	1
Percent Solids	**82**		0.10	0.10	%			08/19/14 14:00	1
Cyanide, Total	**0.52**	**J**	0.62	0.18	mg/Kg	☼	08/27/14 07:00	08/27/14 10:08	1

Client Sample ID: SSHS-B72-0.17-2 (1)

Lab Sample ID: 180-35858-2

Date Collected: 08/15/14 07:45

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 92.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.6	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Benzene	ND		4.6	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Bromoform	ND		4.6	0.40	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Bromomethane	ND		4.6	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
2-Butanone (MEK)	ND		4.6	0.80	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Carbon disulfide	ND		4.6	0.47	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Carbon tetrachloride	ND	*	4.6	0.41	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Chlorobenzene	ND		4.6	0.69	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Chlorobromomethane	ND		4.6	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Chlorodibromomethane	ND		4.6	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Chloroethane	ND		4.6	1.4	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1

Client Sample ID: SSHS-B72-0.17-2 (1) **Lab Sample ID: 180-35858-2**
Date Collected: 08/15/14 07:45 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 92.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		4.6	0.53	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Chloromethane	ND		4.6	0.78	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
cis-1,2-Dichloroethene	ND		4.6	0.64	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
cis-1,3-Dichloropropene	ND		4.6	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Cyclohexane	ND		4.6	0.34	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
1,2-Dibromo-3-Chloropropane	ND		4.6	0.68	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
1,2-Dibromoethane	ND		4.6	0.79	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
1,2-Dichlorobenzene	ND		4.6	0.73	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
1,3-Dichlorobenzene	ND		4.6	0.60	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
1,4-Dichlorobenzene	ND		4.6	0.58	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Dichlorobromomethane	ND		4.6	0.51	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Dichlorodifluoromethane	ND		4.6	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
1,1-Dichloroethane	ND		4.6	0.52	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
1,2-Dichloroethane	ND		4.6	0.56	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
1,1-Dichloroethene	ND		4.6	0.77	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
1,2-Dichloropropane	ND		4.6	0.49	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
1,4-Dioxane	ND		910	250	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Ethylbenzene	ND		4.6	0.59	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
2-Hexanone	ND		4.6	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Isopropylbenzene	ND		4.6	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Methyl acetate	ND		4.6	0.82	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Methylcyclohexane	ND		4.6	0.66	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Methylene Chloride	ND		4.6	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.59	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Methyl tert-butyl ether	ND		4.6	0.68	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
m-Xylene & p-Xylene	ND		9.1	1.3	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
o-Xylene	ND		4.6	0.71	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Styrene	ND		4.6	0.64	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Tetrachloroethene	ND		4.6	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Toluene	ND		4.6	0.66	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
trans-1,2-Dichloroethene	ND	*	4.6	0.54	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
trans-1,3-Dichloropropene	ND		4.6	0.54	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
1,2,3-Trichlorobenzene	ND		4.6	0.77	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
1,2,4-Trichlorobenzene	ND		4.6	0.80	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
1,1,1-Trichloroethane	ND	*	4.6	0.44	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
1,1,2-Trichloroethane	ND		4.6	0.76	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Trichloroethene	ND		4.6	0.60	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Trichlorofluoromethane	ND		4.6	0.84	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.6	0.97	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1
Vinyl chloride	ND		4.6	0.43	ug/Kg	☼	08/22/14 20:52	08/23/14 05:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 20:52*	*08/23/14 05:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*63 - 120*	*08/22/14 20:52*	*08/23/14 05:54*	*1*
Dibromofluoromethane (Surr)	*107*		*68 - 121*	*08/22/14 20:52*	*08/23/14 05:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*	*08/22/14 20:52*	*08/23/14 05:54*	*1*
Toluene-d8 (Surr)	*115*		*72 - 127*	*08/22/14 20:52*	*08/23/14 05:54*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B72-0.17-2 (1)
Date Collected: 08/15/14 07:45
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-2
Matrix: Solid
Percent Solids: 92.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**37**	**J**	71	6.8	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Acenaphthylene	**450**		71	8.1	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Acetophenone	ND		350	29	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Anthracene	**1000**		71	6.9	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Atrazine	ND		350	34	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Benzo[a]anthracene	**2800**		71	8.9	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Benzo[a]pyrene	**2400**		71	7.1	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Benzo[b]fluoranthene	**3100**		71	11	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Benzo[g,h,i]perylene	**1800**		71	7.0	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Benzo[k]fluoranthene	**1000**		71	14	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Bis(2-chloroethyl)ether	ND		71	9.5	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Bis(2-ethylhexyl) phthalate	ND		710	57	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Carbazole	**500**		71	6.5	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
2-Chloronaphthalene	ND		71	7.4	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Chrysene	**2100**		71	8.4	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Dibenz(a,h)anthracene	**380**		71	7.9	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Dibenzofuran	**180**	**J**	350	35	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
2,4-Dichlorophenol	ND		71	7.1	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
1,4-Dioxane	ND		710	41	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Fluoranthene	**5400**		71	7.6	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Fluorene	**210**		71	9.3	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Hexachlorobenzene	ND		71	7.5	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Hexachlorobutadiene	ND		71	7.9	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Indeno[1,2,3-cd]pyrene	**1700**		71	7.3	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Isophorone	ND		350	27	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
2-Methylnaphthalene	**76**		71	6.4	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1

Client Sample Results

Client Sample ID: SSHS-B72-0.17-2 (1)

Lab Sample ID: 180-35858-2

Date Collected: 08/15/14 07:45
Matrix: Solid

Date Received: 08/16/14 09:00
Percent Solids: 92.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Naphthalene	**290**		71	6.1	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Nitrobenzene	ND		710	29	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
N-Nitrosodi-n-propylamine	ND		71	8.3	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
2,2'-oxybis[1-chloropropane]	ND		71	7.6	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Phenanthrene	**3900**		71	11	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Phenol	ND		71	8.4	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
Pyrene	**4200**		71	7.2	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/28/14 09:00	08/29/14 12:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*410*	*T J*	*ug/Kg*	☼	*10.40*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown PAH	*510*	*T J*	*ug/Kg*	☼	*11.10*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown PAH	*730*	*T J*	*ug/Kg*	☼	*11.13*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*11.23*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown	*380*	*T J*	*ug/Kg*	☼	*11.42*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown	*480*	*T J*	*ug/Kg*	☼	*11.73*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown	*420*	*T J*	*ug/Kg*	☼	*11.79*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown	*560*	*T J*	*ug/Kg*	☼	*11.84*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown	*730*	*T J*	*ug/Kg*	☼	*12.06*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown	*370*	*T J*	*ug/Kg*	☼	*12.15*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown PAH	*700*	*T J*	*ug/Kg*	☼	*12.22*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown PAH	*180*	*T J*	*ug/Kg*	☼	*12.55*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown PAH	*280*	*T J*	*ug/Kg*	☼	*12.70*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*12.87*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*13.53*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*13.74*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*13.84*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*13.90*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*14.48*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown PAH	*150*	*T J*	*ug/Kg*	☼	*14.99*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown	*700*	*T J*	*ug/Kg*	☼	*16.58*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown PAH	*1500*	*T J*	*ug/Kg*	☼	*16.95*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown	*560*	*T J*	*ug/Kg*	☼	*17.23*		*08/28/14 09:00*	*08/29/14 12:19*	*1*
Unknown	*830*	*T J*	*ug/Kg*	☼	*19.21*		*08/28/14 09:00*	*08/29/14 12:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 105*	*08/28/14 09:00*	*08/29/14 12:19*	*1*
2-Fluorophenol (Surr)	*62*		*39 - 103*	*08/28/14 09:00*	*08/29/14 12:19*	*1*
Nitrobenzene-d5 (Surr)	*65*		*25 - 104*	*08/28/14 09:00*	*08/29/14 12:19*	*1*

Client Sample Results

Client Sample ID: SSHS-B72-0.17-2 (1)

Lab Sample ID: 180-35858-2

Date Collected: 08/15/14 07:45
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 92.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*62*		*25 - 105*	*08/28/14 09:00*	*08/29/14 12:19*	*1*
Terphenyl-d14 (Surr)	*59*		*25 - 127*	*08/28/14 09:00*	*08/29/14 12:19*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*35 - 124*	*08/28/14 09:00*	*08/29/14 12:19*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**0.31**	**J p**	1.8	0.31	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
alpha-Chlordane	**5.4**		1.8	0.35	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
4,4'-DDD	**1.9**	**p**	1.8	0.23	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
4,4'-DDT	**1.3**	**J p**	1.8	0.26	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
delta-BHC	**0.39**	**J p**	1.8	0.27	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
Dieldrin	**0.45**	**J p**	1.8	0.29	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
Endrin	**2.0**	**p**	1.8	0.34	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
Endrin aldehyde	**0.84**	**J**	1.8	0.34	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
gamma-BHC (Lindane)	**6.5**		1.8	0.31	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
gamma-Chlordane	**5.8**		1.8	0.35	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
Heptachlor	**0.87**	**J p**	1.8	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
Heptachlor epoxide	**2.3**		1.8	0.34	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
Methoxychlor	**0.76**	**J p**	3.5	0.37	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1
Toxaphene	ND		71	12	ug/Kg	☼	08/28/14 09:02	08/29/14 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/28/14 09:02*	*08/29/14 21:33*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*08/28/14 09:02*	*08/29/14 21:33*	*1*
Tetrachloro-m-xylene	*76*		*45 - 130*	*08/28/14 09:02*	*08/29/14 21:33*	*1*
Tetrachloro-m-xylene	*74*		*45 - 130*	*08/28/14 09:02*	*08/29/14 21:33*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/28/14 09:02	08/31/14 03:30	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/28/14 09:02	08/31/14 03:30	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/28/14 09:02	08/31/14 03:30	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/28/14 09:02	08/31/14 03:30	1
PCB-1248	**70**		18	1.7	ug/Kg	☼	08/28/14 09:02	08/31/14 04:03	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/28/14 09:02	08/31/14 03:30	1
PCB-1260	**7.5**	**J p**	18	2.5	ug/Kg	☼	08/28/14 09:02	08/31/14 03:30	1
PCB-1262	ND		18	3.8	ug/Kg	☼	08/28/14 09:02	08/31/14 03:30	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/28/14 09:02	08/31/14 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/28/14 09:02*	*08/31/14 03:30*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/28/14 09:02*	*08/31/14 04:03*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*	*08/28/14 09:02*	*08/31/14 03:30*	*1*

Client Sample ID: SSHS-B72-0.17-2 (1)

Lab Sample ID: 180-35858-2
Date Collected: 08/15/14 07:45
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 92.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*	*08/28/14 09:02*	*08/31/14 04:03*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8900**		22	2.3	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Arsenic	**7.9**		1.1	0.33	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Barium	**94**		22	0.014	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Beryllium	**0.42**	**J**	0.44	0.012	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Cadmium	**0.092**	**J**	0.55	0.016	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Calcium	**5000**		550	1.6	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Chromium	**12**		0.55	0.084	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Cobalt	**7.5**		5.5	0.046	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Copper	**19**		2.7	0.16	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Iron	**18000**		11	0.97	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Lead	**37**		1.1	0.11	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Magnesium	**3200**		550	2.3	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Manganese	**430**		1.6	0.097	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Nickel	**18**	**B**	4.4	0.052	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Potassium	**730**		550	7.0	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Selenium	ND		1.1	0.29	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Silver	ND		0.55	0.044	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Sodium	**76**	**J**	550	1.2	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Vanadium	**13**		5.5	0.19	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1
Zinc	**69**	**B**	2.2	0.11	mg/Kg	☼	08/26/14 08:56	08/28/14 13:50	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.078**		0.032	0.011	mg/Kg	☼	08/28/14 10:28	08/28/14 13:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.6**		0.10	0.10	%			08/19/14 14:00	1
Percent Solids	**92**		0.10	0.10	%			08/19/14 14:00	1
Cyanide, Total	ND		0.52	0.15	mg/Kg	☼	08/27/14 07:00	08/27/14 10:08	1

Client Sample ID: SSHS-B72-3-5 (4)

Lab Sample ID: 180-35858-3
Date Collected: 08/15/14 08:00
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 94.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		16	4.1	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Benzene	ND		4.1	0.55	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Bromoform	ND		4.1	0.36	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Bromomethane	ND		4.1	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
2-Butanone (MEK)	ND		4.1	0.72	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Carbon disulfide	ND		4.1	0.42	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Carbon tetrachloride	ND	*	4.1	0.37	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1

Client Sample ID: SSHS-B72-3-5 (4)
Lab Sample ID: 180-35858-3
Date Collected: 08/15/14 08:00
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 94.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		4.1	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Chlorobromomethane	ND		4.1	0.56	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Chlorodibromomethane	ND		4.1	0.58	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Chloroethane	ND		4.1	1.3	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Chloroform	ND		4.1	0.48	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Chloromethane	ND		4.1	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
cis-1,2-Dichloroethene	ND		4.1	0.58	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
cis-1,3-Dichloropropene	ND		4.1	0.56	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Cyclohexane	ND		4.1	0.30	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
1,2-Dibromo-3-Chloropropane	ND		4.1	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
1,2-Dibromoethane	ND		4.1	0.71	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
1,2-Dichlorobenzene	ND		4.1	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
1,3-Dichlorobenzene	ND		4.1	0.54	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
1,4-Dichlorobenzene	ND		4.1	0.52	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Dichlorobromomethane	ND		4.1	0.46	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Dichlorodifluoromethane	ND		4.1	0.55	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
1,1-Dichloroethane	ND		4.1	0.47	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
1,2-Dichloroethane	ND		4.1	0.50	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
1,1-Dichloroethene	ND		4.1	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
1,2-Dichloropropane	ND		4.1	0.45	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
1,4-Dioxane	ND		820	230	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Ethylbenzene	ND		4.1	0.53	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
2-Hexanone	ND		4.1	0.57	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Isopropylbenzene	ND		4.1	0.56	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Methyl acetate	ND		4.1	0.74	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Methylcyclohexane	ND		4.1	0.60	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Methylene Chloride	ND		4.1	0.55	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
4-Methyl-2-pentanone (MIBK)	ND		4.1	0.54	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Methyl tert-butyl ether	ND		4.1	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
m-Xylene & p-Xylene	ND		8.2	1.2	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
o-Xylene	ND		4.1	0.64	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Styrene	ND		4.1	0.58	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
1,1,2,2-Tetrachloroethane	ND		4.1	0.59	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Tetrachloroethene	ND		4.1	0.56	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Toluene	ND		4.1	0.60	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
trans-1,2-Dichloroethene	ND	*	4.1	0.49	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
trans-1,3-Dichloropropene	ND		4.1	0.49	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
1,2,3-Trichlorobenzene	ND		4.1	0.69	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
1,2,4-Trichlorobenzene	ND		4.1	0.72	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
1,1,1-Trichloroethane	ND	*	4.1	0.40	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
1,1,2-Trichloroethane	ND		4.1	0.68	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Trichloroethene	ND		4.1	0.54	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Trichlorofluoromethane	ND		4.1	0.75	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.1	0.88	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1
Vinyl chloride	ND		4.1	0.39	ug/Kg	☼	08/22/14 20:52	08/23/14 06:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 20:52*	*08/23/14 06:16*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B72-3-5 (4)
Date Collected: 08/15/14 08:00
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-3
Matrix: Solid
Percent Solids: 94.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/22/14 20:52*	*08/23/14 06:16*	*1*
Dibromofluoromethane (Surr)	*110*		*68 - 121*	*08/22/14 20:52*	*08/23/14 06:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*52 - 124*	*08/22/14 20:52*	*08/23/14 06:16*	*1*
Toluene-d8 (Surr)	*104*		*72 - 127*	*08/22/14 20:52*	*08/23/14 06:16*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	6.7	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Acenaphthylene	ND		70	8.0	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Acetophenone	ND		340	29	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Anthracene	ND		70	6.8	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Atrazine	ND		340	34	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Benzaldehyde	ND		340	52	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Benzo[a]anthracene	ND		70	8.7	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Benzo[a]pyrene	ND		70	7.0	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Benzo[b]fluoranthene	ND		70	11	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Benzo[g,h,i]perylene	ND		70	6.9	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Benzo[k]fluoranthene	ND		70	14	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
1,1'-Biphenyl	ND		340	31	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Bis(2-chloroethoxy)methane	ND		340	23	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Bis(2-chloroethyl)ether	ND		70	9.3	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Bis(2-ethylhexyl) phthalate	ND		700	56	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
4-Bromophenyl phenyl ether	ND		340	30	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Butyl benzyl phthalate	ND		340	48	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Caprolactam	ND		1800	260	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Carbazole	ND		70	6.4	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
4-Chloroaniline	ND		340	28	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
4-Chloro-3-methylphenol	ND		340	32	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
2-Chloronaphthalene	ND		70	7.3	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
2-Chlorophenol	ND		340	28	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
4-Chlorophenyl phenyl ether	ND		340	39	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Chrysene	ND		70	8.3	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Dibenz(a,h)anthracene	ND		70	7.7	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Dibenzofuran	ND		340	34	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
3,3'-Dichlorobenzidine	ND		340	37	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
2,4-Dichlorophenol	ND		70	7.0	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Diethyl phthalate	ND		340	38	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
2,4-Dimethylphenol	ND		340	54	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Dimethyl phthalate	ND		340	38	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Di-n-butyl phthalate	ND		340	44	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
2,4-Dinitrophenol	ND		1800	410	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
2,4-Dinitrotoluene	ND		340	28	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
2,6-Dinitrotoluene	ND		340	36	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Di-n-octyl phthalate	ND		340	37	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
1,4-Dioxane	ND		700	40	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Fluoranthene	ND		70	7.4	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Fluorene	ND		70	9.2	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Hexachlorobenzene	ND		70	7.4	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Hexachlorobutadiene	ND		70	7.8	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1

Client Sample ID: SSHS-B72-3-5 (4) **Lab Sample ID: 180-35858-3**
Date Collected: 08/15/14 08:00 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 94.1**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		340	37	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Hexachloroethane	ND		340	25	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Indeno[1,2,3-cd]pyrene	ND		70	7.2	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Isophorone	ND		340	26	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
2-Methylnaphthalene	ND		70	6.3	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
2-Methylphenol	ND		340	24	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Methylphenol, 3 & 4	ND		340	34	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Naphthalene	ND		70	6.0	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
3-Nitroaniline	ND		1800	140	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Nitrobenzene	ND		700	29	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
2-Nitrophenol	ND		340	38	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
N-Nitrosodi-n-propylamine	ND		70	8.2	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
N-Nitrosodiphenylamine	ND		340	32	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
2,2'-oxybis[1-chloropropane]	ND		70	7.5	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Pentachlorophenol	ND		340	31	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Phenanthrene	ND		70	11	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Phenol	ND		70	8.2	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
Pyrene	ND		70	7.0	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
1,2,4,5-Tetrachlorobenzene	ND		340	26	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
2,3,4,6-Tetrachlorophenol	ND		340	22	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
2,4,5-Trichlorophenol	ND		340	37	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1
2,4,6-Trichlorophenol	ND		340	52	ug/Kg	☼	08/28/14 09:00	08/29/14 12:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*470*	*T J*	*ug/Kg*	☼	*13.11*		*08/28/14 09:00*	*08/29/14 12:46*	*1*
Unknown	*370*	*T J*	*ug/Kg*	☼	*16.05*		*08/28/14 09:00*	*08/29/14 12:46*	*1*
Unknown	*140*	*T J*	*ug/Kg*	☼	*18.27*		*08/28/14 09:00*	*08/29/14 12:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*35 - 105*	*08/28/14 09:00*	*08/29/14 12:46*	*1*
2-Fluorophenol (Surr)	*64*		*39 - 103*	*08/28/14 09:00*	*08/29/14 12:46*	*1*
Nitrobenzene-d5 (Surr)	*70*		*25 - 104*	*08/28/14 09:00*	*08/29/14 12:46*	*1*
Phenol-d5 (Surr)	*67*		*25 - 105*	*08/28/14 09:00*	*08/29/14 12:46*	*1*
Terphenyl-d14 (Surr)	*63*		*25 - 127*	*08/28/14 09:00*	*08/29/14 12:46*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*35 - 124*	*08/28/14 09:00*	*08/29/14 12:46*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
alpha-BHC	ND		1.8	0.28	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
alpha-Chlordane	ND		1.8	0.34	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
beta-BHC	ND		1.8	0.45	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
4,4'-DDE	ND		1.8	0.26	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
delta-BHC	ND		1.8	0.26	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1

Client Sample ID: SSHS-B72-3-5 (4)
Date Collected: 08/15/14 08:00
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-3
Matrix: Solid
Percent Solids: 94.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		1.8	0.32	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
Endosulfan II	ND		1.8	0.30	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
Endrin	ND		1.8	0.33	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
gamma-BHC (Lindane)	ND		1.8	0.30	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
gamma-Chlordane	ND		1.8	0.34	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
Heptachlor	ND		1.8	0.38	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
Methoxychlor	ND		3.4	0.36	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1
Toxaphene	ND		69	12	ug/Kg	☼	08/28/14 09:02	08/29/14 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*08/28/14 09:02*	*08/29/14 21:49*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*08/28/14 09:02*	*08/29/14 21:49*	*1*
Tetrachloro-m-xylene	*84*		*45 - 130*	*08/28/14 09:02*	*08/29/14 21:49*	*1*
Tetrachloro-m-xylene	*82*		*45 - 130*	*08/28/14 09:02*	*08/29/14 21:49*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.6	ug/Kg	☼	08/28/14 09:02	08/31/14 04:03	1
PCB-1221	ND		17	3.3	ug/Kg	☼	08/28/14 09:02	08/31/14 04:03	1
PCB-1232	ND		17	3.0	ug/Kg	☼	08/28/14 09:02	08/31/14 04:03	1
PCB-1242	ND		17	2.8	ug/Kg	☼	08/28/14 09:02	08/31/14 04:03	1
PCB-1248	ND		17	1.6	ug/Kg	☼	08/28/14 09:02	08/31/14 04:03	1
PCB-1254	ND		17	2.5	ug/Kg	☼	08/28/14 09:02	08/31/14 04:03	1
PCB-1260	ND		17	2.5	ug/Kg	☼	08/28/14 09:02	08/31/14 04:03	1
PCB-1262	ND		17	3.8	ug/Kg	☼	08/28/14 09:02	08/31/14 04:03	1
PCB-1268	ND		17	2.2	ug/Kg	☼	08/28/14 09:02	08/31/14 04:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/28/14 09:02*	*08/31/14 04:03*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/28/14 09:02*	*08/31/14 04:35*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*	*08/28/14 09:02*	*08/31/14 04:03*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*	*08/28/14 09:02*	*08/31/14 04:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5700**		21	2.2	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Antimony	ND		1.0	0.21	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Arsenic	**5.8**		1.0	0.32	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Barium	**37**		21	0.013	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Beryllium	**0.23**	**J**	0.41	0.012	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Cadmium	**0.066**	**J**	0.52	0.015	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Calcium	**45000**		520	1.5	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Chromium	**8.0**		0.52	0.080	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Cobalt	**5.2**		5.2	0.043	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Copper	**16**		2.6	0.15	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Iron	**13000**		10	0.92	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1

Client Sample ID: SSHS-B72-3-5 (4)

Lab Sample ID: 180-35858-3
Date Collected: 08/15/14 08:00
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 94.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**6.2**		1.0	0.11	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Magnesium	**9500**		520	2.1	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Manganese	**430**		1.5	0.092	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Nickel	**13**	**B**	4.1	0.049	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Potassium	**730**		520	6.6	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Selenium	**0.60**	**J**	1.0	0.28	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Sodium	**67**	**J**	520	1.1	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Vanadium	**10**		5.2	0.18	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1
Zinc	**40**	**B**	2.1	0.11	mg/Kg	☼	08/26/14 08:56	08/28/14 13:55	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.011	mg/Kg	☼	08/28/14 10:28	08/28/14 13:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.9**		0.10	0.10	%			08/19/14 14:00	1
Percent Solids	**94**		0.10	0.10	%			08/19/14 14:00	1
Cyanide, Total	ND		0.53	0.15	mg/Kg	☼	08/28/14 09:30	08/28/14 11:47	1

Client Sample ID: SSHS-B72-6-10 (8)

Lab Sample ID: 180-35858-4
Date Collected: 08/15/14 08:20
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 81.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.6	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Benzene	ND		4.6	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Bromoform	ND		4.6	0.41	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Bromomethane	ND		4.6	0.68	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
2-Butanone (MEK)	ND		4.6	0.82	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Carbon disulfide	ND		4.6	0.47	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Carbon tetrachloride	ND		4.6	0.41	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Chlorobenzene	ND		4.6	0.70	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Chlorobromomethane	ND		4.6	0.64	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Chlorodibromomethane	ND		4.6	0.66	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Chloroethane	ND		4.6	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Chloroform	ND		4.6	0.54	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Chloromethane	ND		4.6	0.79	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
cis-1,2-Dichloroethene	ND		4.6	0.65	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
cis-1,3-Dichloropropene	ND		4.6	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Cyclohexane	ND		4.6	0.34	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
1,2-Dibromo-3-Chloropropane	ND		4.6	0.69	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
1,2-Dibromoethane	ND		4.6	0.80	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
1,2-Dichlorobenzene	ND		4.6	0.74	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
1,3-Dichlorobenzene	ND		4.6	0.61	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
1,4-Dichlorobenzene	ND		4.6	0.59	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Dichlorobromomethane	ND		4.6	0.52	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1

Client Sample ID: SSHS-B72-6-10 (8)
Date Collected: 08/15/14 08:20
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-4
Matrix: Solid
Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		4.6	0.62	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
1,1-Dichloroethane	ND		4.6	0.53	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
1,2-Dichloroethane	ND		4.6	0.57	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
1,1-Dichloroethene	ND		4.6	0.79	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
1,2-Dichloropropane	ND		4.6	0.50	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
1,4-Dioxane	ND		930	260	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Ethylbenzene	ND		4.6	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
2-Hexanone	ND		4.6	0.64	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Isopropylbenzene	ND		4.6	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Methyl acetate	ND		4.6	0.84	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Methylcyclohexane	ND		4.6	0.67	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Methylene Chloride	ND		4.6	0.62	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.60	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Methyl tert-butyl ether	ND		4.6	0.69	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
m-Xylene & p-Xylene	ND		9.3	1.4	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
o-Xylene	ND		4.6	0.72	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Styrene	ND		4.6	0.65	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.67	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Tetrachloroethene	ND		4.6	0.63	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Toluene	ND		4.6	0.68	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
trans-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
trans-1,3-Dichloropropene	ND		4.6	0.55	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
1,2,3-Trichlorobenzene	ND		4.6	0.78	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
1,2,4-Trichlorobenzene	ND		4.6	0.82	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
1,1,1-Trichloroethane	ND		4.6	0.45	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
1,1,2-Trichloroethane	ND		4.6	0.77	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Trichloroethene	ND		4.6	0.61	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Trichlorofluoromethane	ND		4.6	0.85	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	0.99	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1
Vinyl chloride	ND		4.6	0.43	ug/Kg	☼	08/22/14 04:01	08/22/14 07:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 04:01*	*08/22/14 07:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*	*08/22/14 04:01*	*08/22/14 07:17*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/22/14 04:01*	*08/22/14 07:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*52 - 124*	*08/22/14 04:01*	*08/22/14 07:17*	*1*
Toluene-d8 (Surr)	*101*		*72 - 127*	*08/22/14 04:01*	*08/22/14 07:17*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		82	7.8	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Acenaphthylene	ND		82	9.3	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Acetophenone	ND		400	33	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Anthracene	ND		82	8.0	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Atrazine	ND		400	40	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Benzaldehyde	ND		400	61	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Benzo[a]anthracene	ND		82	10	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Benzo[a]pyrene	ND		82	8.1	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1

Client Sample Results

Client Sample ID: SSHS-B72-6-10 (8) **Lab Sample ID: 180-35858-4**
Date Collected: 08/15/14 08:20 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 81.9**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		82	13	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Benzo[g,h,i]perylene	ND		82	8.1	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Benzo[k]fluoranthene	ND		82	16	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
1,1'-Biphenyl	ND		400	36	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Bis(2-chloroethoxy)methane	ND		400	27	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Bis(2-chloroethyl)ether	ND		82	11	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Bis(2-ethylhexyl) phthalate	ND		820	66	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
4-Bromophenyl phenyl ether	ND		400	35	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Butyl benzyl phthalate	ND		400	56	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Caprolactam	ND		2100	310	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Carbazole	ND		82	7.5	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
4-Chloroaniline	ND		400	33	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
4-Chloro-3-methylphenol	ND		400	37	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
2-Chloronaphthalene	ND		82	8.5	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
2-Chlorophenol	ND		400	33	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
4-Chlorophenyl phenyl ether	ND		400	45	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Chrysene	ND		82	9.7	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Dibenz(a,h)anthracene	ND		82	9.1	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Dibenzofuran	ND		400	40	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
3,3'-Dichlorobenzidine	ND		400	43	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
2,4-Dichlorophenol	ND		82	8.2	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Diethyl phthalate	ND		400	44	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
2,4-Dimethylphenol	ND		400	64	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Dimethyl phthalate	ND		400	44	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Di-n-butyl phthalate	ND		400	51	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
4,6-Dinitro-2-methylphenol	ND		2100	160	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
2,4-Dinitrophenol	ND		2100	480	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
2,4-Dinitrotoluene	ND		400	33	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
2,6-Dinitrotoluene	ND		400	42	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Di-n-octyl phthalate	ND		400	43	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
1,4-Dioxane	ND		820	47	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Fluoranthene	ND		82	8.7	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Fluorene	ND		82	11	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Hexachlorobenzene	ND		82	8.7	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Hexachlorobutadiene	ND		82	9.1	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Hexachlorocyclopentadiene	ND		400	44	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Hexachloroethane	ND		400	29	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Indeno[1,2,3-cd]pyrene	ND		82	8.4	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Isophorone	ND		400	31	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
2-Methylnaphthalene	ND		82	7.3	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
2-Methylphenol	ND		400	28	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Methylphenol, 3 & 4	ND		400	40	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Naphthalene	ND		82	7.0	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
2-Nitroaniline	ND		2100	180	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
3-Nitroaniline	ND		2100	170	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
4-Nitroaniline	ND		2100	160	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Nitrobenzene	ND		820	34	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
2-Nitrophenol	ND		400	45	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
4-Nitrophenol	ND		2100	150	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1

Client Sample ID: SSHS-B72-6-10 (8) **Lab Sample ID: 180-35858-4**
Date Collected: 08/15/14 08:20 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 81.9**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		82	9.6	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
N-Nitrosodiphenylamine	ND		400	38	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
2,2'-oxybis[1-chloropropane]	ND		82	8.8	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Pentachlorophenol	ND		400	36	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Phenanthrene	ND		82	13	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Phenol	ND		82	9.6	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
Pyrene	ND		82	8.2	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
1,2,4,5-Tetrachlorobenzene	ND		400	31	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
2,3,4,6-Tetrachlorophenol	ND		400	26	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
2,4,5-Trichlorophenol	ND		400	43	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1
2,4,6-Trichlorophenol	ND		400	61	ug/Kg	☼	08/28/14 09:00	08/29/14 13:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*210*	*T J*	*ug/Kg*	☼	*13.09*		*08/28/14 09:00*	*08/29/14 13:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*35 - 105*	*08/28/14 09:00*	*08/29/14 13:13*	*1*
2-Fluorophenol (Surr)	*63*		*39 - 103*	*08/28/14 09:00*	*08/29/14 13:13*	*1*
Nitrobenzene-d5 (Surr)	*63*		*25 - 104*	*08/28/14 09:00*	*08/29/14 13:13*	*1*
Phenol-d5 (Surr)	*63*		*25 - 105*	*08/28/14 09:00*	*08/29/14 13:13*	*1*
Terphenyl-d14 (Surr)	*60*		*25 - 127*	*08/28/14 09:00*	*08/29/14 13:13*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*35 - 124*	*08/28/14 09:00*	*08/29/14 13:13*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.36	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
alpha-BHC	ND		2.0	0.32	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
alpha-Chlordane	ND		2.0	0.40	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
beta-BHC	ND		2.0	0.52	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
4,4'-DDD	ND		2.0	0.26	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
4,4'-DDE	ND		2.0	0.30	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
4,4'-DDT	ND		2.0	0.30	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
delta-BHC	ND		2.0	0.31	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
Dieldrin	ND		2.0	0.33	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
Endosulfan I	ND		2.0	0.38	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
Endosulfan II	ND		2.0	0.35	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
Endosulfan sulfate	ND		2.0	0.21	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
Endrin	ND		2.0	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
Endrin aldehyde	ND		2.0	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
Endrin ketone	ND		2.0	0.31	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
gamma-BHC (Lindane)	ND		2.0	0.35	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
gamma-Chlordane	ND		2.0	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
Heptachlor	ND		2.0	0.44	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
Heptachlor epoxide	ND		2.0	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
Methoxychlor	ND		4.0	0.42	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1
Toxaphene	ND		80	13	ug/Kg	☼	08/28/14 09:02	08/29/14 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/28/14 09:02*	*08/29/14 22:04*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 130*	*08/28/14 09:02*	*08/29/14 22:04*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B72-6-10 (8)

Date Collected: 08/15/14 08:20
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-4
Matrix: Solid
Percent Solids: 81.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*45 - 130*	*08/28/14 09:02*	*08/29/14 22:04*	*1*
Tetrachloro-m-xylene	*71*		*45 - 130*	*08/28/14 09:02*	*08/29/14 22:04*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	3.0	ug/Kg	☼	08/28/14 09:02	08/31/14 04:35	1
PCB-1221	ND		20	3.8	ug/Kg	☼	08/28/14 09:02	08/31/14 04:35	1
PCB-1232	ND		20	3.4	ug/Kg	☼	08/28/14 09:02	08/31/14 04:35	1
PCB-1242	ND		20	3.2	ug/Kg	☼	08/28/14 09:02	08/31/14 04:35	1
PCB-1248	ND		20	1.9	ug/Kg	☼	08/28/14 09:02	08/31/14 04:35	1
PCB-1254	ND		20	2.8	ug/Kg	☼	08/28/14 09:02	08/31/14 04:35	1
PCB-1260	ND		20	2.8	ug/Kg	☼	08/28/14 09:02	08/31/14 04:35	1
PCB-1262	ND		20	4.4	ug/Kg	☼	08/28/14 09:02	08/31/14 04:35	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/28/14 09:02	08/31/14 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*	*08/28/14 09:02*	*08/31/14 04:35*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/28/14 09:02*	*08/31/14 05:07*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*45 - 135*	*08/28/14 09:02*	*08/31/14 04:35*	*1*
Tetrachloro-m-xylene (Surr)	*67*		*45 - 135*	*08/28/14 09:02*	*08/31/14 05:07*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5900**		25	2.6	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Antimony	ND		1.2	0.25	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Arsenic	**7.9**		1.2	0.38	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Barium	**37**		25	0.016	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Beryllium	**0.27**	**J**	0.50	0.014	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Cadmium	**0.080**	**J**	0.62	0.018	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Calcium	**39000**		620	1.9	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Chromium	**8.4**		0.62	0.096	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Cobalt	**6.2**		6.2	0.052	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Copper	**17**		3.1	0.18	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Iron	**15000**		12	1.1	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Lead	**7.7**		1.2	0.13	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Magnesium	**11000**		620	2.6	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Manganese	**350**		1.9	0.11	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Nickel	**15**	**B**	5.0	0.059	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Potassium	**840**		620	8.0	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Selenium	ND		1.2	0.33	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Silver	ND		0.62	0.050	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Sodium	**72**	**J**	620	1.3	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Thallium	ND		2.5	0.18	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Vanadium	**11**		6.2	0.22	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1
Zinc	**50**	**B**	2.5	0.13	mg/Kg	☼	08/26/14 08:56	08/28/14 14:01	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040	0.013	mg/Kg	☼	08/28/14 10:28	08/28/14 13:48	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B72-6-10 (8)

Lab Sample ID: 180-35858-4

Date Collected: 08/15/14 08:20
Date Received: 08/16/14 09:00

Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18**		0.10	0.10	%			08/19/14 14:00	1
Percent Solids	**82**		0.10	0.10	%			08/19/14 14:00	1
Cyanide, Total	ND		0.64	0.19	mg/Kg	☼	08/27/14 07:00	08/27/14 10:08	1

Client Sample ID: SSHS-B72-11.5-13.5 (12.5)

Lab Sample ID: 180-35858-5

Date Collected: 08/15/14 08:35
Date Received: 08/16/14 09:00

Matrix: Solid
Percent Solids: 92.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	4.2	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Benzene	ND		4.2	0.56	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Bromoform	ND		4.2	0.37	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Bromomethane	ND		4.2	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
2-Butanone (MEK)	ND		4.2	0.74	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Carbon disulfide	ND		4.2	0.43	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Carbon tetrachloride	ND	*	4.2	0.37	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Chlorobenzene	ND		4.2	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Chlorobromomethane	ND		4.2	0.57	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Chlorodibromomethane	ND		4.2	0.59	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Chloroethane	ND		4.2	1.3	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Chloroform	ND		4.2	0.49	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Chloromethane	ND		4.2	0.71	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
cis-1,2-Dichloroethene	ND		4.2	0.59	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
cis-1,3-Dichloropropene	ND		4.2	0.57	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Cyclohexane	ND		4.2	0.31	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
1,2-Dibromo-3-Chloropropane	ND		4.2	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
1,2-Dibromoethane	ND		4.2	0.72	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
1,2-Dichlorobenzene	ND		4.2	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
1,3-Dichlorobenzene	ND		4.2	0.55	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
1,4-Dichlorobenzene	ND		4.2	0.53	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Dichlorobromomethane	ND		4.2	0.47	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Dichlorodifluoromethane	ND		4.2	0.56	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
1,1-Dichloroethane	ND		4.2	0.48	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
1,2-Dichloroethane	ND		4.2	0.51	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
1,1-Dichloroethene	ND		4.2	0.71	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
1,2-Dichloropropane	ND		4.2	0.45	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
1,4-Dioxane	ND		830	230	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Ethylbenzene	ND		4.2	0.54	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
2-Hexanone	ND		4.2	0.58	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Isopropylbenzene	ND		4.2	0.57	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Methyl acetate	ND		4.2	0.75	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Methylcyclohexane	ND		4.2	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Methylene Chloride	ND		4.2	0.56	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
4-Methyl-2-pentanone (MIBK)	ND		4.2	0.54	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Methyl tert-butyl ether	ND		4.2	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
m-Xylene & p-Xylene	ND		8.3	1.2	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
o-Xylene	ND		4.2	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Styrene	ND		4.2	0.59	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.60	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1

Client Sample Results

Client Sample ID: SSHS-B72-11.5-13.5 (12.5)
Date Collected: 08/15/14 08:35
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-5
Matrix: Solid
Percent Solids: 92.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		4.2	0.57	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Toluene	ND		4.2	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
trans-1,2-Dichloroethene	ND	*	4.2	0.50	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
trans-1,3-Dichloropropene	ND		4.2	0.50	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
1,2,3-Trichlorobenzene	ND		4.2	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
1,2,4-Trichlorobenzene	ND		4.2	0.74	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
1,1,1-Trichloroethane	ND	*	4.2	0.41	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
1,1,2-Trichloroethane	ND		4.2	0.69	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Trichloroethene	ND		4.2	0.55	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Trichlorofluoromethane	ND		4.2	0.77	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.2	0.89	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1
Vinyl chloride	ND		4.2	0.39	ug/Kg	☼	08/22/14 20:52	08/23/14 06:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 20:52*	*08/23/14 06:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*08/22/14 20:52*	*08/23/14 06:38*	*1*
Dibromofluoromethane (Surr)	*107*		*68 - 121*	*08/22/14 20:52*	*08/23/14 06:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*52 - 124*	*08/22/14 20:52*	*08/23/14 06:38*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*08/22/14 20:52*	*08/23/14 06:38*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	6.7	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Acenaphthylene	ND		70	8.0	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Acetophenone	ND		350	29	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Anthracene	ND		70	6.9	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Atrazine	ND		350	34	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Benzo[a]anthracene	ND		70	8.8	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Benzo[a]pyrene	ND		70	7.0	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Benzo[b]fluoranthene	ND		70	11	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Benzo[g,h,i]perylene	ND		70	7.0	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Benzo[k]fluoranthene	ND		70	14	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
1,1'-Biphenyl	ND		350	31	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Bis(2-chloroethyl)ether	ND		70	9.4	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Bis(2-ethylhexyl) phthalate	ND		700	57	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Caprolactam	ND		1800	260	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Carbazole	ND		70	6.5	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
4-Chloro-3-methylphenol	ND		350	32	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
2-Chloronaphthalene	ND		70	7.3	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Chrysene	ND		70	8.3	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Dibenz(a,h)anthracene	ND		70	7.8	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35858-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B72-11.5-13.5 (12.5) **Lab Sample ID: 180-35858-5**
Date Collected: 08/15/14 08:35 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 92.7**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		350	34	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
2,4-Dichlorophenol	ND		70	7.0	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Diethyl phthalate	ND		350	38	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Dimethyl phthalate	ND		350	38	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
2,4-Dinitrotoluene	ND		350	28	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
2,6-Dinitrotoluene	ND		350	36	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
1,4-Dioxane	ND		700	40	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Fluoranthene	ND		70	7.5	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Fluorene	ND		70	9.2	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Hexachlorobenzene	ND		70	7.5	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Hexachlorobutadiene	ND		70	7.8	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Indeno[1,2,3-cd]pyrene	ND		70	7.2	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Isophorone	ND		350	26	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
2-Methylnaphthalene	ND		70	6.3	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
2-Methylphenol	ND		350	24	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Methylphenol, 3 & 4	ND		350	34	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Naphthalene	ND		70	6.0	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
3-Nitroaniline	ND		1800	140	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Nitrobenzene	ND		700	29	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
N-Nitrosodi-n-propylamine	ND		70	8.2	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
N-Nitrosodiphenylamine	ND		350	32	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
2,2'-oxybis[1-chloropropane]	ND		70	7.6	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Pentachlorophenol	ND		350	31	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Phenanthrene	ND		70	11	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Phenol	ND		70	8.3	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
Pyrene	ND		70	7.1	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
2,4,5-Trichlorophenol	ND		350	37	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1
2,4,6-Trichlorophenol	ND		350	52	ug/Kg	☼	08/28/14 09:00	08/29/14 14:36	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*420*	*T J*	*ug/Kg*	☼	*13.11*		*08/28/14 09:00*	*08/29/14 14:36*	*1*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*20.81*		*08/28/14 09:00*	*08/29/14 14:36*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*35 - 105*	*08/28/14 09:00*	*08/29/14 14:36*	*1*
2-Fluorophenol (Surr)	*61*		*39 - 103*	*08/28/14 09:00*	*08/29/14 14:36*	*1*

Client Sample Results

Client Sample ID: SSHS-B72-11.5-13.5 (12.5)

Lab Sample ID: 180-35858-5

Date Collected: 08/15/14 08:35
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 92.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*63*		*25 - 104*	*08/28/14 09:00*	*08/29/14 14:36*	*1*
Phenol-d5 (Surr)	*60*		*25 - 105*	*08/28/14 09:00*	*08/29/14 14:36*	*1*
Terphenyl-d14 (Surr)	*58*		*25 - 127*	*08/28/14 09:00*	*08/29/14 14:36*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*35 - 124*	*08/28/14 09:00*	*08/29/14 14:36*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1
Toxaphene	ND		71	12	ug/Kg	☼	08/28/14 09:02	08/29/14 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*	*08/28/14 09:02*	*08/29/14 22:51*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*08/28/14 09:02*	*08/29/14 22:51*	*1*
Tetrachloro-m-xylene	*84*		*45 - 130*	*08/28/14 09:02*	*08/29/14 22:51*	*1*
Tetrachloro-m-xylene	*82*		*45 - 130*	*08/28/14 09:02*	*08/29/14 22:51*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/28/14 09:02	08/31/14 06:12	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/28/14 09:02	08/31/14 06:12	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/28/14 09:02	08/31/14 06:12	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/28/14 09:02	08/31/14 06:12	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/28/14 09:02	08/31/14 06:12	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/28/14 09:02	08/31/14 06:12	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/28/14 09:02	08/31/14 06:12	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/28/14 09:02	08/31/14 06:12	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/28/14 09:02	08/31/14 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 125*	*08/28/14 09:02*	*08/31/14 06:12*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/28/14 09:02*	*08/31/14 06:44*	*1*

Client Sample ID: SSHS-B72-11.5-13.5 (12.5) **Lab Sample ID: 180-35858-5**
Date Collected: 08/15/14 08:35 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 92.7**

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*82*		*45 - 135*	*08/28/14 09:02*	*08/31/14 06:12*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*	*08/28/14 09:02*	*08/31/14 06:44*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6200**		21	2.2	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Antimony	ND		1.1	0.21	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Arsenic	**6.4**		1.1	0.33	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Barium	**45**		21	0.014	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Beryllium	**0.26**	**J**	0.43	0.012	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Cadmium	**0.089**	**J**	0.53	0.015	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Calcium	**29000**		530	1.6	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Chromium	**8.0**		0.53	0.082	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Cobalt	**5.7**		5.3	0.045	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Copper	**24**		2.7	0.15	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Iron	**16000**		11	0.95	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Lead	**8.4**		1.1	0.11	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Magnesium	**5700**		530	2.2	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Manganese	**290**		1.6	0.095	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Nickel	**14**	**B**	4.3	0.051	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Potassium	**760**		530	6.8	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Selenium	ND		1.1	0.29	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Silver	ND		0.53	0.043	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Sodium	**58**	**J**	530	1.1	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Thallium	ND		2.1	0.16	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Vanadium	**12**		5.3	0.19	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1
Zinc	**64**	**B**	2.1	0.11	mg/Kg	☼	08/26/14 08:56	08/28/14 14:36	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.011	mg/Kg	☼	08/28/14 10:28	08/28/14 13:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.3**		0.10	0.10	%			08/19/14 14:31	1
Percent Solids	**93**		0.10	0.10	%			08/19/14 14:31	1
Cyanide, Total	ND		0.52	0.15	mg/Kg	☼	08/28/14 09:30	08/28/14 11:47	1

Client Sample ID: SSHS-B100-0.17-2 (1.5) **Lab Sample ID: 180-35858-8**
Date Collected: 08/15/14 12:10 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 90.0**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**24**		21	5.2	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Benzene	ND		5.2	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Bromoform	ND		5.2	0.46	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Bromomethane	ND		5.2	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
2-Butanone (MEK)	ND		5.2	0.92	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Carbon disulfide	ND		5.2	0.53	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35858-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B100-0.17-2 (1.5) **Lab Sample ID: 180-35858-8**
Date Collected: 08/15/14 12:10 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 90.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND	*	5.2	0.46	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Chlorobenzene	ND		5.2	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Chlorobromomethane	ND		5.2	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Chlorodibromomethane	ND		5.2	0.74	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Chloroethane	ND		5.2	1.6	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Chloroform	ND		5.2	0.61	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Chloromethane	ND		5.2	0.88	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
cis-1,2-Dichloroethene	ND		5.2	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
cis-1,3-Dichloropropene	ND		5.2	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Cyclohexane	ND		5.2	0.39	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
1,2-Dibromo-3-Chloropropane	ND		5.2	0.78	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
1,2-Dibromoethane	ND		5.2	0.90	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
1,2-Dichlorobenzene	ND		5.2	0.83	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
1,3-Dichlorobenzene	ND		5.2	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
1,4-Dichlorobenzene	ND		5.2	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Dichlorobromomethane	ND		5.2	0.58	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Dichlorodifluoromethane	ND		5.2	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
1,1-Dichloroethane	ND		5.2	0.60	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
1,2-Dichloroethane	ND		5.2	0.64	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
1,1-Dichloroethene	ND		5.2	0.88	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
1,2-Dichloropropane	ND		5.2	0.56	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
1,4-Dioxane	ND		1000	290	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Ethylbenzene	ND		5.2	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
2-Hexanone	ND		5.2	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Isopropylbenzene	ND		5.2	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Methyl acetate	ND		5.2	0.94	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Methylcyclohexane	ND		5.2	0.75	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Methylene Chloride	ND		5.2	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Methyl tert-butyl ether	ND		5.2	0.78	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
o-Xylene	ND		5.2	0.81	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Styrene	ND		5.2	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
1,1,2,2-Tetrachloroethane	ND		5.2	0.75	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Tetrachloroethene	ND		5.2	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Toluene	ND		5.2	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
trans-1,2-Dichloroethene	ND	*	5.2	0.62	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
trans-1,3-Dichloropropene	ND		5.2	0.62	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
1,2,3-Trichlorobenzene	ND		5.2	0.88	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
1,2,4-Trichlorobenzene	ND		5.2	0.92	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
1,1,1-Trichloroethane	ND	*	5.2	0.51	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
1,1,2-Trichloroethane	ND		5.2	0.86	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Trichloroethene	ND		5.2	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Trichlorofluoromethane	ND		5.2	0.95	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.2	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1
Vinyl chloride	ND		5.2	0.49	ug/Kg	☼	08/25/14 04:25	08/25/14 09:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/25/14 04:25*	*08/25/14 09:30*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B100-0.17-2 (1.5)

Lab Sample ID: 180-35858-8

Date Collected: 08/15/14 12:10
Date Received: 08/16/14 09:00

Matrix: Solid
Percent Solids: 90.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*08/25/14 04:25*	*08/25/14 09:30*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*08/25/14 04:25*	*08/25/14 09:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*52 - 124*	*08/25/14 04:25*	*08/25/14 09:30*	*1*
Toluene-d8 (Surr)	*101*		*72 - 127*	*08/25/14 04:25*	*08/25/14 09:30*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**10**	**J**	74	7.1	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Acenaphthylene	**21**	**J**	74	8.4	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Acetophenone	ND		360	30	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Anthracene	**24**	**J**	74	7.2	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Atrazine	ND		360	36	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Benzo[a]anthracene	**77**		74	9.2	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Benzo[a]pyrene	**74**		74	7.4	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Benzo[b]fluoranthene	**110**		74	12	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Benzo[g,h,i]perylene	**76**		74	7.3	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Benzo[k]fluoranthene	**42**	**J**	74	15	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Bis(2-chloroethyl)ether	ND		74	9.9	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Bis(2-ethylhexyl) phthalate	ND		740	59	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Carbazole	ND		74	6.8	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
2-Chloronaphthalene	ND		74	7.7	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Chrysene	**110**		74	8.8	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Dibenz(a,h)anthracene	ND		74	8.2	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
2,4-Dichlorophenol	ND		74	7.4	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
2,4-Dimethylphenol	ND		360	58	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
2,4-Dinitrotoluene	ND		360	30	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Di-n-octyl phthalate	ND		360	39	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
1,4-Dioxane	ND		740	42	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Fluoranthene	**150**		74	7.9	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Fluorene	ND		74	9.7	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Hexachlorobenzene	ND		74	7.8	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Hexachlorobutadiene	ND		74	8.2	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1

Client Sample ID: SSHS-B100-0.17-2 (1.5)

Date Collected: 08/15/14 12:10
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-8

Matrix: Solid
Percent Solids: 90.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		360	40	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Indeno[1,2,3-cd]pyrene	**51**	**J**	74	7.6	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Isophorone	ND		360	28	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
2-Methylnaphthalene	**97**		74	6.6	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Naphthalene	**57**	**J**	74	6.3	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Nitrobenzene	ND		740	31	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
2-Nitrophenol	ND		360	41	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
N-Nitrosodi-n-propylamine	ND		74	8.6	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
2,2'-oxybis[1-chloropropane]	ND		74	7.9	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Phenanthrene	**140**		74	12	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Phenol	ND		74	8.7	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
Pyrene	**120**		74	7.4	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
2,3,4,6-Tetrachlorophenol	ND		360	24	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/28/14 09:00	08/29/14 15:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190*	*T J*	*ug/Kg*	☼	*9.56*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*10.01*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*10.40*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*10.81*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown Substituted Biphenyl	*310*	*T J*	*ug/Kg*	☼	*10.91*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*11.12*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown Substituted Biphenyl	*320*	*T J*	*ug/Kg*	☼	*11.20*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Eicosane	*420*	*T J N*	*ug/Kg*	☼	*11.23*	*112-95-8*	*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown Substituted Biphenyl	*370*	*T J*	*ug/Kg*	☼	*11.39*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*11.68*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown Substituted Biphenyl	*390*	*T J*	*ug/Kg*	☼	*11.78*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown Substituted Biphenyl	*350*	*T J*	*ug/Kg*	☼	*11.81*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown Substituted Biphenyl	*240*	*T J*	*ug/Kg*	☼	*11.99*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown	*600*	*T J*	*ug/Kg*	☼	*12.69*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown	*900*	*T J*	*ug/Kg*	☼	*13.10*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*14.50*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown	*330*	*T J*	*ug/Kg*	☼	*15.88*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*16.13*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown	*360*	*T J*	*ug/Kg*	☼	*16.41*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*16.43*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*16.69*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*17.79*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*18.08*		*08/28/14 09:00*	*08/29/14 15:03*	*1*

Client Sample Results

Client Sample ID: SSHS-B100-0.17-2 (1.5)

Date Collected: 08/15/14 12:10
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-8

Matrix: Solid
Percent Solids: 90.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*290*	*T J*	*ug/Kg*	☼	*18.36*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*18.98*		*08/28/14 09:00*	*08/29/14 15:03*	*1*
Unknown	*370*	*T J*	*ug/Kg*	☼	*19.00*		*08/28/14 09:00*	*08/29/14 15:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*08/28/14 09:00*	*08/29/14 15:03*	*1*
2-Fluorophenol (Surr)	*59*		*39 - 103*	*08/28/14 09:00*	*08/29/14 15:03*	*1*
Nitrobenzene-d5 (Surr)	*66*		*25 - 104*	*08/28/14 09:00*	*08/29/14 15:03*	*1*
Phenol-d5 (Surr)	*59*		*25 - 105*	*08/28/14 09:00*	*08/29/14 15:03*	*1*
Terphenyl-d14 (Surr)	*55*		*25 - 127*	*08/28/14 09:00*	*08/29/14 15:03*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*35 - 124*	*08/28/14 09:00*	*08/29/14 15:03*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**46**	**p**	1.9	0.33	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
alpha-Chlordane	**7.4**	**p**	1.9	0.37	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
beta-BHC	**9.2**	**p**	1.9	0.48	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
4,4'-DDD	**5.5**	**p**	1.9	0.24	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
4,4'-DDT	**22**	**p**	1.9	0.28	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
Dieldrin	**9.1**	**p**	1.9	0.31	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
Endosulfan I	**20**		1.9	0.35	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
Endosulfan II	**3.0**	**p**	1.9	0.33	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
Endosulfan sulfate	**12**	**p**	1.9	0.19	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
Endrin	**62**	**p**	1.9	0.36	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
Endrin aldehyde	**14**		1.9	0.36	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
Endrin ketone	**10**	**p**	1.9	0.29	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
gamma-Chlordane	**250**		1.9	0.37	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
Heptachlor	**11**	**p**	1.9	0.41	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
Heptachlor epoxide	**200**	**p**	1.9	0.36	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
Methoxychlor	**56**	**p**	3.7	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1
Toxaphene	ND		74	12	ug/Kg	☼	08/28/14 09:02	08/29/14 23:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/28/14 09:02*	*08/29/14 23:07*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*45 - 130*	*08/28/14 09:02*	*08/29/14 23:07*	*1*
Tetrachloro-m-xylene	*77*		*45 - 130*	*08/28/14 09:02*	*08/29/14 23:07*	*1*
Tetrachloro-m-xylene	*75*		*45 - 130*	*08/28/14 09:02*	*08/29/14 23:07*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		190	28	ug/Kg	☼	08/28/14 09:02	08/31/14 07:16	10
PCB-1221	ND		190	35	ug/Kg	☼	08/28/14 09:02	08/31/14 07:16	10
PCB-1232	ND		190	32	ug/Kg	☼	08/28/14 09:02	08/31/14 07:16	10
PCB-1242	ND		190	30	ug/Kg	☼	08/28/14 09:02	08/31/14 07:16	10
PCB-1248	**13000**		190	18	ug/Kg	☼	08/28/14 09:02	08/31/14 07:16	10
PCB-1254	ND		190	26	ug/Kg	☼	08/28/14 09:02	08/31/14 07:16	10

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B100-0.17-2 (1.5)
Date Collected: 08/15/14 12:10
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-8
Matrix: Solid
Percent Solids: 90.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	**890**		190	26	ug/Kg	☼	08/28/14 09:02	08/31/14 07:16	10
PCB-1262	ND		190	41	ug/Kg	☼	08/28/14 09:02	08/31/14 07:16	10
PCB-1268	ND		190	24	ug/Kg	☼	08/28/14 09:02	08/31/14 07:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 125*	*08/28/14 09:02*	*08/31/14 06:44*	*10*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 125*	*08/28/14 09:02*	*08/31/14 07:16*	*10*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*	*08/28/14 09:02*	*08/31/14 06:44*	*10*
Tetrachloro-m-xylene (Surr)	*78*		*45 - 135*	*08/28/14 09:02*	*08/31/14 07:16*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6300**		22	2.3	mg/Kg	☼	08/26/14 08:56	08/28/14 14:41	1
Antimony	**1.7**		1.1	0.22	mg/Kg	☼	08/26/14 08:56	08/28/14 14:41	1
Arsenic	**18**		2.2	0.67	mg/Kg	☼	08/26/14 08:56	08/28/14 15:12	2
Barium	**110**		22	0.014	mg/Kg	☼	08/26/14 08:56	08/28/14 14:41	1
Beryllium	**0.31**	**J**	0.44	0.012	mg/Kg	☼	08/26/14 08:56	08/28/14 14:41	1
Cadmium	**0.33**	**J**	0.55	0.016	mg/Kg	☼	08/26/14 08:56	08/28/14 14:41	1
Calcium	**13000**		550	1.7	mg/Kg	☼	08/26/14 08:56	08/28/14 14:41	1
Chromium	**75**		0.55	0.085	mg/Kg	☼	08/26/14 08:56	08/28/14 14:41	1
Cobalt	**8.7**		5.5	0.046	mg/Kg	☼	08/26/14 08:56	08/28/14 14:41	1
Copper	**800**		2.7	0.16	mg/Kg	☼	08/26/14 08:56	08/28/14 14:41	1
Iron	**60000**		22	2.0	mg/Kg	☼	08/26/14 08:56	08/28/14 15:12	2
Lead	**260**		2.2	0.22	mg/Kg	☼	08/26/14 08:56	08/28/14 15:12	2
Magnesium	**3900**		550	2.3	mg/Kg	☼	08/26/14 08:56	08/28/14 14:41	1
Manganese	**560**		1.6	0.098	mg/Kg	☼	08/26/14 08:56	08/28/14 14:41	1
Nickel	**140**	**B**	8.8	0.10	mg/Kg	☼	08/26/14 08:56	08/28/14 15:12	2
Potassium	**430**	**J**	550	7.0	mg/Kg	☼	08/26/14 08:56	08/28/14 14:41	1
Selenium	**1.6**		1.1	0.29	mg/Kg	☼	08/26/14 08:56	08/28/14 14:41	1
Silver	**0.15**	**J**	0.55	0.044	mg/Kg	☼	08/26/14 08:56	08/28/14 14:41	1
Sodium	**200**	**J**	550	1.2	mg/Kg	☼	08/26/14 08:56	08/28/14 14:41	1
Thallium	**0.20**	**J**	2.2	0.16	mg/Kg	☼	08/26/14 08:56	08/28/14 14:41	1
Vanadium	**24**		11	0.38	mg/Kg	☼	08/26/14 08:56	08/28/14 15:12	2
Zinc	**260**	**B**	4.4	0.23	mg/Kg	☼	08/26/14 08:56	08/28/14 15:12	2

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.19**		0.035	0.012	mg/Kg	☼	08/28/14 10:28	08/28/14 13:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10**		0.10	0.10	%			08/19/14 14:31	1
Percent Solids	**90**		0.10	0.10	%			08/19/14 14:31	1
Cyanide, Total	**0.46**	**J**	0.56	0.16	mg/Kg	☼	08/28/14 09:30	08/28/14 11:47	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B100-4-6 (5.5)

Date Collected: 08/15/14 12:25
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-9
Matrix: Solid
Percent Solids: 83.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**21**		21	5.3	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Benzene	ND		5.3	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Bromoform	ND		5.3	0.47	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Bromomethane	ND		5.3	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
2-Butanone (MEK)	ND		5.3	0.94	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Carbon disulfide	**1.4**	**J**	5.3	0.55	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Carbon tetrachloride	ND	*	5.3	0.48	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Chlorobenzene	ND		5.3	0.81	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Chlorobromomethane	ND		5.3	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Chlorodibromomethane	ND		5.3	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Chloroethane	ND		5.3	1.7	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Chloroform	**1.4**	**J**	5.3	0.62	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Chloromethane	ND		5.3	0.91	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
cis-1,2-Dichloroethene	ND		5.3	0.75	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
cis-1,3-Dichloropropene	ND		5.3	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Cyclohexane	**8.9**		5.3	0.40	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
1,2-Dibromo-3-Chloropropane	ND		5.3	0.80	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
1,2-Dibromoethane	ND		5.3	0.92	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
1,2-Dichlorobenzene	ND		5.3	0.85	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
1,3-Dichlorobenzene	ND		5.3	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
1,4-Dichlorobenzene	ND		5.3	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Dichlorobromomethane	ND		5.3	0.60	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Dichlorodifluoromethane	ND		5.3	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
1,1-Dichloroethane	ND		5.3	0.61	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
1,2-Dichloroethane	ND		5.3	0.65	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
1,1-Dichloroethene	ND		5.3	0.90	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
1,2-Dichloropropane	ND		5.3	0.58	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
1,4-Dioxane	ND		1100	290	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Ethylbenzene	ND		5.3	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
2-Hexanone	ND		5.3	0.74	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Isopropylbenzene	ND		5.3	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Methyl acetate	ND		5.3	0.96	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Methylcyclohexane	ND		5.3	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Methylene Chloride	ND		5.3	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Methyl tert-butyl ether	ND		5.3	0.80	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
o-Xylene	ND		5.3	0.83	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Styrene	ND		5.3	0.75	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Tetrachloroethene	ND		5.3	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Toluene	ND		5.3	0.78	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
trans-1,2-Dichloroethene	ND	*	5.3	0.64	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
trans-1,3-Dichloropropene	ND		5.3	0.64	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
1,2,3-Trichlorobenzene	ND		5.3	0.90	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
1,2,4-Trichlorobenzene	ND		5.3	0.94	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
1,1,1-Trichloroethane	ND	*	5.3	0.52	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
1,1,2-Trichloroethane	ND		5.3	0.89	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Trichloroethene	ND		5.3	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1

Client Sample Results

Client Sample ID: SSHS-B100-4-6 (5.5)
Lab Sample ID: 180-35858-9
Date Collected: 08/15/14 12:25
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		5.3	0.98	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.3	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1
Vinyl chloride	ND		5.3	0.50	ug/Kg	☼	08/25/14 04:25	08/25/14 09:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Pentane, 2-methyl-	*11*	*T J N*	*ug/Kg*	☼	*4.61*	*107-83-5*	*08/25/14 04:25*	*08/25/14 09:52*	*1*
Unknown	*16*	*T J*	*ug/Kg*	☼	*4.99*		*08/25/14 04:25*	*08/25/14 09:52*	*1*
Hexane	*9.4*	*T J N*	*ug/Kg*	☼	*5.39*	*110-54-3*	*08/25/14 04:25*	*08/25/14 09:52*	*1*
Hexane, 2-methyl-	*11*	*T J N*	*ug/Kg*	☼	*6.94*	*591-76-4*	*08/25/14 04:25*	*08/25/14 09:52*	*1*
Unknown	*10*	*T J*	*ug/Kg*	☼	*7.02*		*08/25/14 04:25*	*08/25/14 09:52*	*1*
Unknown	*19*	*T J*	*ug/Kg*	☼	*7.14*		*08/25/14 04:25*	*08/25/14 09:52*	*1*
Unknown	*7.9*	*T J*	*ug/Kg*	☼	*8.66*		*08/25/14 04:25*	*08/25/14 09:52*	*1*
Unknown	*13*	*T J*	*ug/Kg*	☼	*8.86*		*08/25/14 04:25*	*08/25/14 09:52*	*1*
Unknown	*19*	*T J*	*ug/Kg*	☼	*9.01*		*08/25/14 04:25*	*08/25/14 09:52*	*1*
Unknown	*6.8*	*T J*	*ug/Kg*	☼	*10.45*		*08/25/14 04:25*	*08/25/14 09:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*	*08/25/14 04:25*	*08/25/14 09:52*	*1*
Dibromofluoromethane (Surr)	*110*		*68 - 121*	*08/25/14 04:25*	*08/25/14 09:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*52 - 124*	*08/25/14 04:25*	*08/25/14 09:52*	*1*
Toluene-d8 (Surr)	*107*		*72 - 127*	*08/25/14 04:25*	*08/25/14 09:52*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	7.6	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Acenaphthylene	ND		79	9.0	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Acetophenone	ND		390	32	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Anthracene	ND		79	7.7	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Atrazine	ND		390	38	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Benzaldehyde	ND		390	59	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Benzo[a]anthracene	ND		79	9.9	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Benzo[a]pyrene	ND		79	7.9	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Benzo[b]fluoranthene	ND		79	12	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Benzo[g,h,i]perylene	ND		79	7.9	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Benzo[k]fluoranthene	ND		79	16	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
1,1'-Biphenyl	ND		390	35	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Bis(2-chloroethoxy)methane	ND		390	26	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Bis(2-chloroethyl)ether	ND		79	11	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Bis(2-ethylhexyl) phthalate	ND		790	64	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
4-Bromophenyl phenyl ether	ND		390	34	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Butyl benzyl phthalate	ND		390	54	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Caprolactam	ND		2000	300	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Carbazole	ND		79	7.3	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
4-Chloroaniline	ND		390	32	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
4-Chloro-3-methylphenol	ND		390	36	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
2-Chloronaphthalene	ND		79	8.2	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
2-Chlorophenol	ND		390	32	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
4-Chlorophenyl phenyl ether	ND		390	44	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Chrysene	ND		79	9.4	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Dibenz(a,h)anthracene	ND		79	8.8	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1

Client Sample ID: SSHS-B100-4-6 (5.5)
Lab Sample ID: 180-35858-9
Date Collected: 08/15/14 12:25
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 83.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		390	39	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
3,3'-Dichlorobenzidine	ND		390	42	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
2,4-Dichlorophenol	ND		79	7.9	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Diethyl phthalate	ND		390	43	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
2,4-Dimethylphenol	ND		390	62	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Dimethyl phthalate	ND		390	43	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Di-n-butyl phthalate	ND		390	49	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
2,4-Dinitrophenol	ND		2000	470	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
2,4-Dinitrotoluene	ND		390	32	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
2,6-Dinitrotoluene	ND		390	41	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Di-n-octyl phthalate	ND		390	42	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
1,4-Dioxane	ND		790	45	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Fluoranthene	**20**	**J**	79	8.4	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Fluorene	ND		79	10	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Hexachlorobenzene	ND		79	8.4	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Hexachlorobutadiene	ND		79	8.8	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Hexachlorocyclopentadiene	ND		390	43	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Hexachloroethane	ND		390	28	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Indeno[1,2,3-cd]pyrene	ND		79	8.1	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Isophorone	ND		390	30	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
2-Methylnaphthalene	**48**	**J**	79	7.1	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
2-Methylphenol	ND		390	28	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Methylphenol, 3 & 4	ND		390	39	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Naphthalene	**28**	**J**	79	6.8	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Nitrobenzene	ND		790	33	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
2-Nitrophenol	ND		390	44	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
4-Nitrophenol	ND		2000	140	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
N-Nitrosodi-n-propylamine	ND		79	9.3	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
N-Nitrosodiphenylamine	ND		390	37	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
2,2'-oxybis[1-chloropropane]	ND		79	8.5	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Pentachlorophenol	ND		390	35	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Phenanthrene	**56**	**J**	79	13	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Phenol	ND		79	9.3	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
Pyrene	**19**	**J**	79	8.0	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
1,2,4,5-Tetrachlorobenzene	ND		390	30	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
2,3,4,6-Tetrachlorophenol	ND		390	25	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
2,4,5-Trichlorophenol	ND		390	42	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1
2,4,6-Trichlorophenol	ND		390	59	ug/Kg	☼	08/28/14 09:00	08/29/14 15:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*260*	*T J*	*ug/Kg*	☼	*5.23*		*08/28/14 09:00*	*08/29/14 15:30*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*12.68*		*08/28/14 09:00*	*08/29/14 15:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*35 - 105*	*08/28/14 09:00*	*08/29/14 15:30*	*1*
2-Fluorophenol (Surr)	*59*		*39 - 103*	*08/28/14 09:00*	*08/29/14 15:30*	*1*

Client Sample ID: SSHS-B100-4-6 (5.5) **Lab Sample ID: 180-35858-9**
Date Collected: 08/15/14 12:25 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 83.4**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*67*		*25 - 104*	*08/28/14 09:00*	*08/29/14 15:30*	*1*
Phenol-d5 (Surr)	*58*		*25 - 105*	*08/28/14 09:00*	*08/29/14 15:30*	*1*
Terphenyl-d14 (Surr)	*59*		*25 - 127*	*08/28/14 09:00*	*08/29/14 15:30*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*35 - 124*	*08/28/14 09:00*	*08/29/14 15:30*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.35	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
alpha-BHC	ND		2.0	0.32	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
alpha-Chlordane	ND		2.0	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
beta-BHC	ND		2.0	0.51	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
4,4'-DDD	ND		2.0	0.26	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
4,4'-DDE	ND		2.0	0.30	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
4,4'-DDT	ND		2.0	0.29	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
delta-BHC	ND		2.0	0.30	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
Dieldrin	ND		2.0	0.33	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
Endosulfan I	ND		2.0	0.37	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
Endosulfan II	ND		2.0	0.35	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
Endosulfan sulfate	ND		2.0	0.21	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
Endrin	ND		2.0	0.38	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
Endrin aldehyde	ND		2.0	0.38	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
Endrin ketone	ND		2.0	0.31	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
gamma-BHC (Lindane)	ND		2.0	0.35	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
gamma-Chlordane	ND		2.0	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
Heptachlor	ND		2.0	0.44	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
Heptachlor epoxide	ND		2.0	0.38	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
Methoxychlor	**0.43**	**J p**	3.9	0.41	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1
Toxaphene	ND		79	13	ug/Kg	☼	08/28/14 09:02	08/29/14 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*08/28/14 09:02*	*08/29/14 23:22*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*08/28/14 09:02*	*08/29/14 23:22*	*1*
Tetrachloro-m-xylene	*73*		*45 - 130*	*08/28/14 09:02*	*08/29/14 23:22*	*1*
Tetrachloro-m-xylene	*71*		*45 - 130*	*08/28/14 09:02*	*08/29/14 23:22*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	2.9	ug/Kg	☼	08/28/14 09:02	08/31/14 07:16	1
PCB-1221	ND		20	3.8	ug/Kg	☼	08/28/14 09:02	08/31/14 07:16	1
PCB-1232	ND		20	3.4	ug/Kg	☼	08/28/14 09:02	08/31/14 07:16	1
PCB-1242	ND		20	3.2	ug/Kg	☼	08/28/14 09:02	08/31/14 07:16	1
PCB-1248	**25**		20	1.9	ug/Kg	☼	08/28/14 09:02	08/31/14 07:16	1
PCB-1254	ND		20	2.8	ug/Kg	☼	08/28/14 09:02	08/31/14 07:16	1
PCB-1260	ND		20	2.8	ug/Kg	☼	08/28/14 09:02	08/31/14 07:16	1
PCB-1262	ND		20	4.3	ug/Kg	☼	08/28/14 09:02	08/31/14 07:16	1
PCB-1268	ND		20	2.5	ug/Kg	☼	08/28/14 09:02	08/31/14 07:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/28/14 09:02*	*08/31/14 07:16*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/28/14 09:02*	*08/31/14 07:49*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B100-4-6 (5.5)

Lab Sample ID: 180-35858-9

Date Collected: 08/15/14 12:25
Date Received: 08/16/14 09:00

Matrix: Solid
Percent Solids: 83.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*74*		*45 - 135*	*08/28/14 09:02*	*08/31/14 07:16*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*45 - 135*	*08/28/14 09:02*	*08/31/14 07:49*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3100**		23	2.4	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Antimony	ND		1.1	0.23	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Arsenic	**7.8**		1.1	0.35	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Barium	**58**		23	0.014	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Beryllium	**0.49**		0.45	0.013	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Cadmium	**0.067**	**J**	0.57	0.016	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Calcium	**7600**		570	1.7	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Chromium	**9.4**		0.57	0.087	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Cobalt	**4.2**	**J**	5.7	0.047	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Copper	**45**		2.8	0.16	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Iron	**22000**		11	1.0	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Lead	**17**		1.1	0.12	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Magnesium	**1600**		570	2.3	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Manganese	**200**		1.7	0.10	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Nickel	**21**	**B**	4.5	0.054	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Potassium	**580**		570	7.2	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Selenium	**1.3**		1.1	0.30	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Silver	ND		0.57	0.046	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Sodium	**290**	**J**	570	1.2	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Vanadium	**20**		5.7	0.20	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1
Zinc	**25**	**B**	2.3	0.12	mg/Kg	☼	08/26/14 08:56	08/28/14 14:46	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.037	0.012	mg/Kg	☼	08/28/14 10:28	08/28/14 13:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		0.10	0.10	%			08/19/14 14:31	1
Percent Solids	**83**		0.10	0.10	%			08/19/14 14:31	1
Cyanide, Total	**1.9**		0.63	0.19	mg/Kg	☼	08/28/14 09:30	08/28/14 11:47	1

Client Sample ID: SSHS-B100-6-10 (8)

Lab Sample ID: 180-35858-10

Date Collected: 08/15/14 12:35
Date Received: 08/16/14 09:00

Matrix: Solid
Percent Solids: 81.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.7	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Benzene	ND		4.7	0.64	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Bromoform	ND		4.7	0.42	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Bromomethane	ND		4.7	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
2-Butanone (MEK)	ND		4.7	0.83	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Carbon disulfide	ND		4.7	0.48	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1

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

Client Sample ID: SSHS-B100-6-10 (8) **Lab Sample ID: 180-35858-10**
Date Collected: 08/15/14 12:35 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 81.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND	*	4.7	0.42	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Chlorobenzene	ND		4.7	0.71	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Chlorobromomethane	ND		4.7	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Chlorodibromomethane	ND		4.7	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Chloroethane	ND		4.7	1.5	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Chloroform	ND		4.7	0.55	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Chloromethane	ND		4.7	0.80	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
cis-1,2-Dichloroethene	ND		4.7	0.66	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
cis-1,3-Dichloropropene	ND		4.7	0.64	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Cyclohexane	ND		4.7	0.35	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
1,2-Dibromo-3-Chloropropane	ND		4.7	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
1,2-Dibromoethane	ND		4.7	0.81	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
1,2-Dichlorobenzene	ND		4.7	0.75	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
1,3-Dichlorobenzene	ND		4.7	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
1,4-Dichlorobenzene	ND		4.7	0.60	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Dichlorobromomethane	ND		4.7	0.53	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Dichlorodifluoromethane	ND		4.7	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
1,1-Dichloroethane	ND		4.7	0.54	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
1,2-Dichloroethane	ND		4.7	0.58	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
1,1-Dichloroethene	ND		4.7	0.80	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
1,2-Dichloropropane	ND		4.7	0.51	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
1,4-Dioxane	ND		940	260	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Ethylbenzene	ND		4.7	0.60	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
2-Hexanone	ND		4.7	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Isopropylbenzene	ND		4.7	0.64	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Methyl acetate	ND		4.7	0.85	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Methylcyclohexane	ND		4.7	0.68	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Methylene Chloride	ND		4.7	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Methyl tert-butyl ether	ND		4.7	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
m-Xylene & p-Xylene	ND		9.4	1.4	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
o-Xylene	ND		4.7	0.73	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Styrene	ND		4.7	0.66	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.68	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Tetrachloroethene	ND		4.7	0.64	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Toluene	ND		4.7	0.69	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
trans-1,2-Dichloroethene	ND	*	4.7	0.56	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
trans-1,3-Dichloropropene	ND		4.7	0.56	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
1,2,3-Trichlorobenzene	ND		4.7	0.79	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
1,2,4-Trichlorobenzene	ND		4.7	0.83	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
1,1,1-Trichloroethane	ND	*	4.7	0.46	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
1,1,2-Trichloroethane	ND		4.7	0.78	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Trichloroethene	ND		4.7	0.62	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Trichlorofluoromethane	ND		4.7	0.86	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.7	1.0	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1
Vinyl chloride	ND		4.7	0.44	ug/Kg	☼	08/22/14 20:52	08/23/14 07:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 20:52*	*08/23/14 07:45*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B100-6-10 (8)

Date Collected: 08/15/14 12:35
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-10
Matrix: Solid
Percent Solids: 81.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*63 - 120*	*08/22/14 20:52*	*08/23/14 07:45*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/22/14 20:52*	*08/23/14 07:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*52 - 124*	*08/22/14 20:52*	*08/23/14 07:45*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/22/14 20:52*	*08/23/14 07:45*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		82	7.8	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Acenaphthylene	ND		82	9.3	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Acetophenone	ND		400	33	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Anthracene	ND		82	8.0	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Atrazine	ND		400	40	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Benzaldehyde	ND		400	61	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Benzo[a]anthracene	ND		82	10	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Benzo[a]pyrene	ND		82	8.1	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Benzo[b]fluoranthene	ND		82	13	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Benzo[g,h,i]perylene	ND		82	8.1	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Benzo[k]fluoranthene	ND		82	16	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
1,1'-Biphenyl	ND		400	36	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Bis(2-chloroethoxy)methane	ND		400	27	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Bis(2-chloroethyl)ether	ND		82	11	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Bis(2-ethylhexyl) phthalate	ND		820	66	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
4-Bromophenyl phenyl ether	ND		400	35	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Butyl benzyl phthalate	ND		400	56	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Caprolactam	ND		2100	310	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Carbazole	ND		82	7.5	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
4-Chloroaniline	ND		400	33	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
4-Chloro-3-methylphenol	ND		400	37	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
2-Chloronaphthalene	ND		82	8.5	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
2-Chlorophenol	ND		400	33	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
4-Chlorophenyl phenyl ether	ND		400	45	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Chrysene	ND		82	9.7	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Dibenz(a,h)anthracene	ND		82	9.0	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Dibenzofuran	ND		400	40	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
3,3'-Dichlorobenzidine	ND		400	43	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
2,4-Dichlorophenol	ND		82	8.2	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Diethyl phthalate	ND		400	44	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
2,4-Dimethylphenol	ND		400	64	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Dimethyl phthalate	ND		400	44	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Di-n-butyl phthalate	ND		400	51	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
4,6-Dinitro-2-methylphenol	ND		2100	160	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
2,4-Dinitrophenol	ND		2100	480	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
2,4-Dinitrotoluene	ND		400	33	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
2,6-Dinitrotoluene	ND		400	42	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Di-n-octyl phthalate	ND		400	43	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
1,4-Dioxane	ND		820	47	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Fluoranthene	**18**	**J**	82	8.7	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Fluorene	ND		82	11	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Hexachlorobenzene	ND		82	8.7	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Hexachlorobutadiene	ND		82	9.1	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1

Client Sample ID: SSHS-B100-6-10 (8) **Lab Sample ID: 180-35858-10**
Date Collected: 08/15/14 12:35 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 81.5**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		400	44	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Hexachloroethane	ND		400	29	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Indeno[1,2,3-cd]pyrene	ND		82	8.4	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Isophorone	ND		400	31	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
2-Methylnaphthalene	ND		82	7.3	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
2-Methylphenol	ND		400	28	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Methylphenol, 3 & 4	ND		400	40	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Naphthalene	ND		82	7.0	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
2-Nitroaniline	ND		2100	180	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
3-Nitroaniline	ND		2100	170	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
4-Nitroaniline	ND		2100	160	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Nitrobenzene	ND		820	34	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
2-Nitrophenol	ND		400	45	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
4-Nitrophenol	ND		2100	150	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
N-Nitrosodi-n-propylamine	ND		82	9.5	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
N-Nitrosodiphenylamine	ND		400	38	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
2,2'-oxybis[1-chloropropane]	ND		82	8.8	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Pentachlorophenol	ND		400	36	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Phenanthrene	ND		82	13	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Phenol	ND		82	9.6	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
Pyrene	**20**	**J**	82	8.2	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
1,2,4,5-Tetrachlorobenzene	ND		400	31	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
2,3,4,6-Tetrachlorophenol	ND		400	26	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
2,4,5-Trichlorophenol	ND		400	43	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1
2,4,6-Trichlorophenol	ND		400	61	ug/Kg	☼	08/28/14 09:00	08/29/14 15:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*290*	*T J*	*ug/Kg*	☼	*15.18*		*08/28/14 09:00*	*08/29/14 15:58*	*1*
Unknown	*930*	*T J*	*ug/Kg*	☼	*16.19*		*08/28/14 09:00*	*08/29/14 15:58*	*1*
Unknown	*450*	*T J*	*ug/Kg*	☼	*16.59*		*08/28/14 09:00*	*08/29/14 15:58*	*1*
Unknown	*780*	*T J*	*ug/Kg*	☼	*16.65*		*08/28/14 09:00*	*08/29/14 15:58*	*1*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*17.67*		*08/28/14 09:00*	*08/29/14 15:58*	*1*
Unknown	*590*	*T J*	*ug/Kg*	☼	*18.06*		*08/28/14 09:00*	*08/29/14 15:58*	*1*
Unknown	*680*	*T J*	*ug/Kg*	☼	*19.20*		*08/28/14 09:00*	*08/29/14 15:58*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*19.61*		*08/28/14 09:00*	*08/29/14 15:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*35 - 105*	*08/28/14 09:00*	*08/29/14 15:58*	*1*
2-Fluorophenol (Surr)	*62*		*39 - 103*	*08/28/14 09:00*	*08/29/14 15:58*	*1*
Nitrobenzene-d5 (Surr)	*65*		*25 - 104*	*08/28/14 09:00*	*08/29/14 15:58*	*1*
Phenol-d5 (Surr)	*63*		*25 - 105*	*08/28/14 09:00*	*08/29/14 15:58*	*1*
Terphenyl-d14 (Surr)	*65*		*25 - 127*	*08/28/14 09:00*	*08/29/14 15:58*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*35 - 124*	*08/28/14 09:00*	*08/29/14 15:58*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.36	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
alpha-BHC	ND		2.0	0.32	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
alpha-Chlordane	ND		2.0	0.40	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
beta-BHC	ND		2.0	0.52	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1

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

Client Sample ID: SSHS-B100-6-10 (8)
Lab Sample ID: 180-35858-10
Date Collected: 08/15/14 12:35
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 81.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.0	0.26	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
4,4'-DDE	ND		2.0	0.30	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
4,4'-DDT	ND		2.0	0.30	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
delta-BHC	ND		2.0	0.30	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
Dieldrin	ND		2.0	0.33	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
Endosulfan I	ND		2.0	0.37	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
Endosulfan II	ND		2.0	0.35	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
Endosulfan sulfate	ND		2.0	0.21	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
Endrin	ND		2.0	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
Endrin aldehyde	ND		2.0	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
Endrin ketone	ND		2.0	0.31	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
gamma-BHC (Lindane)	ND		2.0	0.35	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
gamma-Chlordane	ND		2.0	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
Heptachlor	ND		2.0	0.44	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
Heptachlor epoxide	ND		2.0	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
Methoxychlor	ND		3.9	0.42	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1
Toxaphene	ND		80	13	ug/Kg	☼	08/28/14 09:02	08/29/14 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/28/14 09:02*	*08/29/14 23:38*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/28/14 09:02*	*08/29/14 23:38*	*1*
Tetrachloro-m-xylene	*75*		*45 - 130*	*08/28/14 09:02*	*08/29/14 23:38*	*1*
Tetrachloro-m-xylene	*73*		*45 - 130*	*08/28/14 09:02*	*08/29/14 23:38*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	3.0	ug/Kg	☼	08/28/14 09:02	08/31/14 07:49	1
PCB-1221	ND		20	3.8	ug/Kg	☼	08/28/14 09:02	08/31/14 07:49	1
PCB-1232	ND		20	3.4	ug/Kg	☼	08/28/14 09:02	08/31/14 07:49	1
PCB-1242	ND		20	3.2	ug/Kg	☼	08/28/14 09:02	08/31/14 07:49	1
PCB-1248	ND		20	1.9	ug/Kg	☼	08/28/14 09:02	08/31/14 07:49	1
PCB-1254	ND		20	2.8	ug/Kg	☼	08/28/14 09:02	08/31/14 07:49	1
PCB-1260	ND		20	2.8	ug/Kg	☼	08/28/14 09:02	08/31/14 07:49	1
PCB-1262	ND		20	4.4	ug/Kg	☼	08/28/14 09:02	08/31/14 07:49	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/28/14 09:02	08/31/14 07:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/28/14 09:02*	*08/31/14 07:49*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 125*	*08/28/14 09:02*	*08/31/14 08:21*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*	*08/28/14 09:02*	*08/31/14 07:49*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*45 - 135*	*08/28/14 09:02*	*08/31/14 08:21*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		23	2.4	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Antimony	ND		1.2	0.23	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Arsenic	**7.8**		1.2	0.35	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Barium	**110**		23	0.015	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Beryllium	**0.53**		0.46	0.013	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Cadmium	**0.094**	**J**	0.58	0.017	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1

Client Sample ID: SSHS-B100-6-10 (8)

Lab Sample ID: 180-35858-10

Date Collected: 08/15/14 12:35
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 81.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**4500**		580	1.7	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Chromium	**13**		0.58	0.089	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Cobalt	**9.4**		5.8	0.048	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Copper	**22**		2.9	0.17	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Iron	**22000**		12	1.0	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Lead	**17**		1.2	0.12	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Magnesium	**3200**		580	2.4	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Manganese	**580**		1.7	0.10	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Nickel	**19**	**B**	4.6	0.055	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Potassium	**1500**		580	7.4	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Selenium	**0.43**	**J**	1.2	0.31	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Silver	ND		0.58	0.047	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Sodium	**170**	**J**	580	1.2	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Vanadium	**16**		5.8	0.20	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1
Zinc	**65**	**B**	2.3	0.12	mg/Kg	☼	08/26/14 08:56	08/28/14 14:51	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**		0.038	0.013	mg/Kg	☼	08/28/14 10:28	08/28/14 13:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18**		0.10	0.10	%			08/19/14 14:31	1
Percent Solids	**82**		0.10	0.10	%			08/19/14 14:31	1
Cyanide, Total	ND		0.59	0.17	mg/Kg	☼	08/28/14 09:30	08/28/14 11:54	1

Client Sample ID: SSHS-B100-10-13.5 (12)

Lab Sample ID: 180-35858-11

Date Collected: 08/15/14 12:55
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 82.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**5.4**	**J**	20	5.1	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Benzene	ND		5.1	0.69	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Bromoform	ND		5.1	0.45	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Bromomethane	ND		5.1	0.76	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
2-Butanone (MEK)	ND		5.1	0.90	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Carbon disulfide	ND		5.1	0.52	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Carbon tetrachloride	ND	*	5.1	0.46	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Chlorobenzene	ND		5.1	0.78	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Chlorobromomethane	ND		5.1	0.71	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Chlorodibromomethane	ND		5.1	0.73	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Chloroethane	ND		5.1	1.6	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Chloroform	ND		5.1	0.60	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Chloromethane	ND		5.1	0.87	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
cis-1,2-Dichloroethene	ND		5.1	0.72	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
cis-1,3-Dichloropropene	ND		5.1	0.69	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Cyclohexane	ND		5.1	0.38	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
1,2-Dibromo-3-Chloropropane	ND		5.1	0.77	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1

Client Sample ID: SSHS-B100-10-13.5 (12)
Lab Sample ID: 180-35858-11
Date Collected: 08/15/14 12:55
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.1	0.88	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
1,2-Dichlorobenzene	ND		5.1	0.82	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
1,3-Dichlorobenzene	ND		5.1	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
1,4-Dichlorobenzene	ND		5.1	0.65	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Dichlorobromomethane	ND		5.1	0.58	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Dichlorodifluoromethane	ND		5.1	0.68	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
1,1-Dichloroethane	ND		5.1	0.59	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
1,2-Dichloroethane	ND		5.1	0.63	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
1,1-Dichloroethene	ND		5.1	0.87	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
1,2-Dichloropropane	ND		5.1	0.56	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
1,4-Dioxane	ND		1000	280	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Ethylbenzene	ND		5.1	0.66	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
2-Hexanone	ND		5.1	0.71	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Isopropylbenzene	ND		5.1	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Methyl acetate	ND		5.1	0.92	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Methylcyclohexane	ND		5.1	0.74	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Methylene Chloride	ND		5.1	0.69	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Methyl tert-butyl ether	ND		5.1	0.77	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
o-Xylene	ND		5.1	0.80	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Styrene	ND		5.1	0.72	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
1,1,2,2-Tetrachloroethane	ND		5.1	0.74	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Tetrachloroethene	ND		5.1	0.70	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Toluene	ND		5.1	0.75	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
trans-1,2-Dichloroethene	ND	*	5.1	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
trans-1,3-Dichloropropene	ND		5.1	0.61	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
1,2,3-Trichlorobenzene	ND		5.1	0.87	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
1,2,4-Trichlorobenzene	ND		5.1	0.90	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
1,1,1-Trichloroethane	ND	*	5.1	0.50	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
1,1,2-Trichloroethane	ND		5.1	0.85	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Trichloroethene	ND		5.1	0.67	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Trichlorofluoromethane	ND		5.1	0.94	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.1	1.1	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1
Vinyl chloride	ND		5.1	0.48	ug/Kg	☼	08/22/14 20:52	08/23/14 08:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/22/14 20:52*	*08/23/14 08:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/22/14 20:52*	*08/23/14 08:08*	*1*
Dibromofluoromethane (Surr)	*111*		*68 - 121*	*08/22/14 20:52*	*08/23/14 08:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*52 - 124*	*08/22/14 20:52*	*08/23/14 08:08*	*1*
Toluene-d8 (Surr)	*104*		*72 - 127*	*08/22/14 20:52*	*08/23/14 08:08*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		81	7.8	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Acenaphthylene	ND		81	9.3	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Acetophenone	ND		400	33	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1

Client Sample Results

Client Sample ID: SSHS-B100-10-13.5 (12)

Lab Sample ID: 180-35858-11

Date Collected: 08/15/14 12:55

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 82.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		81	7.9	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Atrazine	ND		400	39	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Benzaldehyde	ND		400	61	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Benzo[a]anthracene	ND		81	10	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Benzo[a]pyrene	ND		81	8.1	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Benzo[b]fluoranthene	ND		81	13	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Benzo[g,h,i]perylene	ND		81	8.0	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Benzo[k]fluoranthene	ND		81	16	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
1,1'-Biphenyl	ND		400	36	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Bis(2-chloroethoxy)methane	ND		400	27	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Bis(2-chloroethyl)ether	ND		81	11	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Bis(2-ethylhexyl) phthalate	ND		810	65	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
4-Bromophenyl phenyl ether	ND		400	35	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Butyl benzyl phthalate	ND		400	55	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Caprolactam	ND		2100	310	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Carbazole	ND		81	7.5	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
4-Chloroaniline	ND		400	32	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
4-Chloro-3-methylphenol	ND		400	37	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
2-Chloronaphthalene	ND		81	8.4	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
2-Chlorophenol	ND		400	33	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
4-Chlorophenyl phenyl ether	ND		400	45	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Chrysene	ND		81	9.6	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Dibenz(a,h)anthracene	ND		81	9.0	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Dibenzofuran	ND		400	40	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
3,3'-Dichlorobenzidine	ND		400	43	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
2,4-Dichlorophenol	ND		81	8.1	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Diethyl phthalate	ND		400	44	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
2,4-Dimethylphenol	ND		400	63	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Dimethyl phthalate	ND		400	44	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Di-n-butyl phthalate	ND		400	51	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
4,6-Dinitro-2-methylphenol	ND		2100	160	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
2,4-Dinitrophenol	ND		2100	480	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
2,4-Dinitrotoluene	ND		400	33	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
2,6-Dinitrotoluene	ND		400	42	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Di-n-octyl phthalate	ND		400	43	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
1,4-Dioxane	ND		810	46	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Fluoranthene	ND		81	8.6	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Fluorene	ND		81	11	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Hexachlorobenzene	ND		81	8.6	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Hexachlorobutadiene	ND		81	9.0	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Hexachlorocyclopentadiene	ND		400	44	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Hexachloroethane	ND		400	29	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Indeno[1,2,3-cd]pyrene	ND		81	8.3	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Isophorone	ND		400	30	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
2-Methylnaphthalene	ND		81	7.3	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
2-Methylphenol	ND		400	28	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Methylphenol, 3 & 4	ND		400	40	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Naphthalene	ND		81	7.0	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
2-Nitroaniline	ND		2100	180	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1

Client Sample ID: SSHS-B100-10-13.5 (12)
Date Collected: 08/15/14 12:55
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-11
Matrix: Solid
Percent Solids: 82.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		2100	170	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
4-Nitroaniline	ND		2100	160	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Nitrobenzene	ND		810	34	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
2-Nitrophenol	ND		400	45	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
4-Nitrophenol	ND		2100	150	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
N-Nitrosodi-n-propylamine	ND		81	9.5	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
N-Nitrosodiphenylamine	ND		400	37	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
2,2'-oxybis[1-chloropropane]	ND		81	8.7	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Pentachlorophenol	ND		400	36	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Phenanthrene	ND		81	13	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Phenol	ND		81	9.6	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
Pyrene	ND		81	8.2	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
1,2,4,5-Tetrachlorobenzene	ND		400	31	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
2,3,4,6-Tetrachlorophenol	ND		400	26	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
2,4,5-Trichlorophenol	ND		400	43	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1
2,4,6-Trichlorophenol	ND		400	61	ug/Kg	☼	08/28/14 09:00	08/29/14 16:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*170*	*T J*	*ug/Kg*	☼	*16.06*		*08/28/14 09:00*	*08/29/14 16:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*35 - 105*	*08/28/14 09:00*	*08/29/14 16:25*	*1*
2-Fluorophenol (Surr)	*59*		*39 - 103*	*08/28/14 09:00*	*08/29/14 16:25*	*1*
Nitrobenzene-d5 (Surr)	*61*		*25 - 104*	*08/28/14 09:00*	*08/29/14 16:25*	*1*
Phenol-d5 (Surr)	*59*		*25 - 105*	*08/28/14 09:00*	*08/29/14 16:25*	*1*
Terphenyl-d14 (Surr)	*59*		*25 - 127*	*08/28/14 09:00*	*08/29/14 16:25*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*35 - 124*	*08/28/14 09:00*	*08/29/14 16:25*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.36	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
alpha-BHC	ND		2.0	0.33	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
alpha-Chlordane	ND		2.0	0.40	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
beta-BHC	ND		2.0	0.52	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
4,4'-DDD	ND		2.0	0.26	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
4,4'-DDE	ND		2.0	0.30	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
4,4'-DDT	ND		2.0	0.30	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
delta-BHC	ND		2.0	0.31	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
Dieldrin	ND		2.0	0.33	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
Endosulfan I	ND		2.0	0.38	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
Endosulfan II	ND		2.0	0.35	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
Endosulfan sulfate	ND		2.0	0.21	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
Endrin	ND		2.0	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
Endrin aldehyde	ND		2.0	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
Endrin ketone	ND		2.0	0.31	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
gamma-BHC (Lindane)	ND		2.0	0.35	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
gamma-Chlordane	ND		2.0	0.40	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
Heptachlor	ND		2.0	0.45	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
Heptachlor epoxide	ND		2.0	0.39	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1
Methoxychlor	ND		4.0	0.42	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B100-10-13.5 (12)
Date Collected: 08/15/14 12:55
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-11
Matrix: Solid
Percent Solids: 82.0

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		81	13	ug/Kg	☼	08/28/14 09:02	08/29/14 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/28/14 09:02*	*08/29/14 23:53*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 130*	*08/28/14 09:02*	*08/29/14 23:53*	*1*
Tetrachloro-m-xylene	*71*		*45 - 130*	*08/28/14 09:02*	*08/29/14 23:53*	*1*
Tetrachloro-m-xylene	*68*		*45 - 130*	*08/28/14 09:02*	*08/29/14 23:53*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	3.0	ug/Kg	☼	08/28/14 09:02	08/31/14 08:21	1
PCB-1221	ND		20	3.8	ug/Kg	☼	08/28/14 09:02	08/31/14 08:21	1
PCB-1232	ND		20	3.4	ug/Kg	☼	08/28/14 09:02	08/31/14 08:21	1
PCB-1242	ND		20	3.3	ug/Kg	☼	08/28/14 09:02	08/31/14 08:21	1
PCB-1248	ND		20	1.9	ug/Kg	☼	08/28/14 09:02	08/31/14 08:21	1
PCB-1254	ND		20	2.9	ug/Kg	☼	08/28/14 09:02	08/31/14 08:21	1
PCB-1260	ND		20	2.9	ug/Kg	☼	08/28/14 09:02	08/31/14 08:21	1
PCB-1262	ND		20	4.4	ug/Kg	☼	08/28/14 09:02	08/31/14 08:21	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/28/14 09:02	08/31/14 08:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/28/14 09:02*	*08/31/14 08:21*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*45 - 125*	*08/28/14 09:02*	*08/31/14 08:53*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*45 - 135*	*08/28/14 09:02*	*08/31/14 08:21*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*45 - 135*	*08/28/14 09:02*	*08/31/14 08:53*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		24	2.5	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Antimony	ND		1.2	0.24	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Arsenic	**8.2**		1.2	0.37	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Barium	**81**		24	0.015	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Beryllium	**0.57**		0.48	0.014	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Cadmium	**0.057**	**J**	0.60	0.017	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Calcium	**1100**		600	1.8	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Chromium	**15**		0.60	0.093	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Cobalt	**10**		6.0	0.051	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Copper	**15**		3.0	0.17	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Iron	**24000**		12	1.1	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Lead	**13**		1.2	0.12	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Magnesium	**3100**		600	2.5	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Manganese	**450**		1.8	0.11	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Nickel	**19**	**B**	4.8	0.057	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Potassium	**2200**		600	7.7	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Selenium	**0.37**	**J**	1.2	0.32	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Silver	ND		0.60	0.049	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Sodium	**210**	**J**	600	1.3	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Thallium	ND		2.4	0.18	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Vanadium	**19**		6.0	0.21	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1
Zinc	**63**	**B**	2.4	0.12	mg/Kg	☼	08/26/14 08:56	08/28/14 14:57	1

Client Sample ID: SSHS-B100-10-13.5 (12)

Lab Sample ID: 180-35858-11

Date Collected: 08/15/14 12:55
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 82.0

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.028**	**J**	0.037	0.012	mg/Kg	☼	08/28/14 10:28	08/28/14 14:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18**		0.10	0.10	%			08/19/14 14:31	1
Percent Solids	**82**		0.10	0.10	%			08/19/14 14:31	1
Cyanide, Total	ND		0.59	0.17	mg/Kg	☼	08/28/14 09:30	08/28/14 11:54	1

Client Sample ID: SSHS-B43-A-SS

Lab Sample ID: 180-35858-13

Date Collected: 08/15/14 10:55
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 79.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**520**	**J**	1100	270	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Benzene	ND		270	53	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Bromoform	ND		270	57	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Bromomethane	ND	*	270	84	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
2-Butanone (MEK)	ND		270	58	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Carbon disulfide	ND		270	57	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Carbon tetrachloride	ND		270	58	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Chlorobenzene	ND		270	28	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Chlorobromomethane	ND		270	54	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Chlorodibromomethane	ND		270	34	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Chloroethane	ND	*	270	40	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Chloroform	ND		270	54	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Chloromethane	ND		270	74	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
cis-1,2-Dichloroethene	ND		270	35	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
cis-1,3-Dichloropropene	ND		270	39	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Cyclohexane	ND		270	32	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
1,2-Dibromo-3-Chloropropane	ND		270	19	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
1,2-Dibromoethane	ND	*	270	33	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
1,2-Dichlorobenzene	ND		270	36	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
1,3-Dichlorobenzene	ND		270	27	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
1,4-Dichlorobenzene	ND		270	28	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Dichlorobromomethane	ND		270	50	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Dichlorodifluoromethane	ND		270	34	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
1,1-Dichloroethane	ND		270	54	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
1,2-Dichloroethane	ND		270	51	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
1,1-Dichloroethene	**1900**		270	57	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
1,2-Dichloropropane	ND		270	68	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
1,4-Dioxane	ND		53000	5200	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Ethylbenzene	ND		270	33	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
2-Hexanone	ND		270	30	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Isopropylbenzene	ND		270	28	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Methyl acetate	**2400**		270	65	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Methylcyclohexane	ND		270	30	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Methylene Chloride	ND		270	58	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
4-Methyl-2-pentanone (MIBK)	ND		270	31	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Methyl tert-butyl ether	ND		270	55	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1

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

Client Sample ID: SSHS-B43-A-SS
Date Collected: 08/15/14 10:55
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-13
Matrix: Solid
Percent Solids: 79.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		530	68	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
o-Xylene	ND		270	39	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Styrene	ND		270	34	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
1,1,2,2-Tetrachloroethane	ND		270	50	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Tetrachloroethene	ND		270	44	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Toluene	ND		270	45	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
trans-1,2-Dichloroethene	ND		270	40	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
trans-1,3-Dichloropropene	ND		270	31	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
1,2,3-Trichlorobenzene	ND		270	33	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
1,2,4-Trichlorobenzene	ND		270	20	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
1,1,1-Trichloroethane	ND		270	55	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
1,1,2-Trichloroethane	ND		270	62	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Trichloroethene	ND		270	43	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Trichlorofluoromethane	ND		270	60	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1100**		270	18	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1
Vinyl chloride	ND		270	69	ug/Kg	☼	08/24/14 10:06	08/25/14 17:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethene, 1-chloro-1-fluoro-	*510*	*T J N*	*ug/Kg*	☼	*1.89*	*2317-91-1*	*08/24/14 10:06*	*08/25/14 17:11*	*1*
Unknown	*6800*	*T J*	*ug/Kg*	☼	*3.36*		*08/24/14 10:06*	*08/25/14 17:11*	*1*
Isopropyl Alcohol	*520*	*T J N*	*ug/Kg*	☼	*4.36*	*67-63-0*	*08/24/14 10:06*	*08/25/14 17:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*63 - 120*	*08/24/14 10:06*	*08/25/14 17:11*	*1*
Dibromofluoromethane (Surr)	*82*		*68 - 121*	*08/24/14 10:06*	*08/25/14 17:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*70*		*52 - 124*	*08/24/14 10:06*	*08/25/14 17:11*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/24/14 10:06*	*08/25/14 17:11*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		82	7.9	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Acenaphthylene	ND		82	9.4	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Acetophenone	ND		400	34	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Anthracene	ND		82	8.0	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Atrazine	ND		400	40	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Benzaldehyde	ND		400	61	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Benzo[a]anthracene	**28**	**J**	82	10	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Benzo[a]pyrene	**26**	**J**	82	8.2	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Benzo[b]fluoranthene	**29**	**J**	82	13	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Benzo[g,h,i]perylene	**21**	**J**	82	8.1	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Benzo[k]fluoranthene	**17**	**J**	82	17	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
1,1'-Biphenyl	ND		400	37	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Bis(2-chloroethoxy)methane	ND		400	27	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Bis(2-chloroethyl)ether	ND		82	11	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Bis(2-ethylhexyl) phthalate	ND		820	66	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
4-Bromophenyl phenyl ether	ND		400	36	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Butyl benzyl phthalate	ND		400	56	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Caprolactam	ND		2100	310	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Carbazole	ND		82	7.5	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1

Client Sample Results

Client Sample ID: SSHS-B43-A-SS

Lab Sample ID: 180-35858-13

Date Collected: 08/15/14 10:55
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 79.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		400	33	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
4-Chloro-3-methylphenol	ND		400	38	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
2-Chloronaphthalene	ND		82	8.5	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
2-Chlorophenol	ND		400	33	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
4-Chlorophenyl phenyl ether	ND		400	45	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Chrysene	**27**	**J**	82	9.7	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Dibenz(a,h)anthracene	ND		82	9.1	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Dibenzofuran	ND		400	40	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
3,3'-Dichlorobenzidine	ND		400	43	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
2,4-Dichlorophenol	ND		82	8.2	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Diethyl phthalate	ND		400	45	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
2,4-Dimethylphenol	ND		400	64	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Dimethyl phthalate	ND		400	45	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Di-n-butyl phthalate	ND		400	51	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
4,6-Dinitro-2-methylphenol	ND		2100	160	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
2,4-Dinitrophenol	ND		2100	490	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
2,4-Dinitrotoluene	ND		400	33	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
2,6-Dinitrotoluene	ND		400	42	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Di-n-octyl phthalate	ND		400	43	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
1,4-Dioxane	ND		820	47	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Fluoranthene	**35**	**J**	82	8.8	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Fluorene	ND		82	11	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Hexachlorobenzene	ND		82	8.7	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Hexachlorobutadiene	ND		82	9.2	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Hexachlorocyclopentadiene	ND		400	44	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Hexachloroethane	ND		400	29	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Indeno[1,2,3-cd]pyrene	**19**	**J**	82	8.4	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Isophorone	ND		400	31	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
2-Methylnaphthalene	ND		82	7.4	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
2-Methylphenol	ND		400	29	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Methylphenol, 3 & 4	ND		400	40	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Naphthalene	ND		82	7.1	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
2-Nitroaniline	ND		2100	180	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
3-Nitroaniline	ND		2100	170	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
4-Nitroaniline	ND		2100	170	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Nitrobenzene	ND		820	34	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
2-Nitrophenol	ND		400	45	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
4-Nitrophenol	ND		2100	150	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
N-Nitrosodi-n-propylamine	ND		82	9.6	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
N-Nitrosodiphenylamine	ND		400	38	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
2,2'-oxybis[1-chloropropane]	ND		82	8.8	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Pentachlorophenol	ND		400	37	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Phenanthrene	**17**	**J**	82	13	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Phenol	ND		82	9.7	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
Pyrene	**34**	**J**	82	8.3	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
1,2,4,5-Tetrachlorobenzene	ND		400	31	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
2,3,4,6-Tetrachlorophenol	ND		400	26	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
2,4,5-Trichlorophenol	ND		400	44	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1
2,4,6-Trichlorophenol	ND		400	61	ug/Kg	☼	08/28/14 09:00	08/29/14 16:53	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B43-A-SS

Date Collected: 08/15/14 10:55
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-13

Matrix: Solid
Percent Solids: 79.9

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*320*	*T J*	*ug/Kg*	☼	*1.50*		*08/28/14 09:00*	*08/29/14 16:53*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*12.23*		*08/28/14 09:00*	*08/29/14 16:53*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*16.07*		*08/28/14 09:00*	*08/29/14 16:53*	*1*
Unknown	*1300*	*T J*	*ug/Kg*	☼	*16.21*		*08/28/14 09:00*	*08/29/14 16:53*	*1*
Unknown Straight Chain Alkane	*240*	*T J*	*ug/Kg*	☼	*16.62*		*08/28/14 09:00*	*08/29/14 16:53*	*1*
Unknown	*670*	*T J*	*ug/Kg*	☼	*16.67*		*08/28/14 09:00*	*08/29/14 16:53*	*1*
Unknown	*650*	*T J*	*ug/Kg*	☼	*17.70*		*08/28/14 09:00*	*08/29/14 16:53*	*1*
Unknown Straight Chain Alkane	*530*	*T J*	*ug/Kg*	☼	*18.09*		*08/28/14 09:00*	*08/29/14 16:53*	*1*
Unknown	*560*	*T J*	*ug/Kg*	☼	*19.23*		*08/28/14 09:00*	*08/29/14 16:53*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*19.65*		*08/28/14 09:00*	*08/29/14 16:53*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*20.32*		*08/28/14 09:00*	*08/29/14 16:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 105*	*08/28/14 09:00*	*08/29/14 16:53*	*1*
2-Fluorophenol (Surr)	*68*		*39 - 103*	*08/28/14 09:00*	*08/29/14 16:53*	*1*
Nitrobenzene-d5 (Surr)	*71*		*25 - 104*	*08/28/14 09:00*	*08/29/14 16:53*	*1*
Phenol-d5 (Surr)	*67*		*25 - 105*	*08/28/14 09:00*	*08/29/14 16:53*	*1*
Terphenyl-d14 (Surr)	*64*		*25 - 127*	*08/28/14 09:00*	*08/29/14 16:53*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*35 - 124*	*08/28/14 09:00*	*08/29/14 16:53*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.1	0.37	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
alpha-BHC	ND		2.1	0.33	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
alpha-Chlordane	ND		2.1	0.41	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
beta-BHC	ND		2.1	0.53	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
4,4'-DDD	ND		2.1	0.27	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
4,4'-DDE	ND		2.1	0.31	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
4,4'-DDT	**4.5**		2.1	0.31	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
delta-BHC	ND		2.1	0.31	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
Dieldrin	ND		2.1	0.34	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
Endosulfan I	ND		2.1	0.38	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
Endosulfan II	ND		2.1	0.36	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
Endosulfan sulfate	**0.24**	**J p**	2.1	0.21	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
Endrin	**2.4**		2.1	0.40	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
Endrin aldehyde	ND		2.1	0.40	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
Endrin ketone	ND		2.1	0.32	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
gamma-BHC (Lindane)	ND		2.1	0.36	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
gamma-Chlordane	**0.42**	**J p**	2.1	0.40	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
Heptachlor	ND		2.1	0.45	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
Heptachlor epoxide	ND		2.1	0.40	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
Methoxychlor	**0.51**	**J p**	4.0	0.43	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1
Toxaphene	ND		82	14	ug/Kg	☼	08/28/14 09:02	08/30/14 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*08/28/14 09:02*	*08/30/14 00:09*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/28/14 09:02*	*08/30/14 00:09*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/28/14 09:02*	*08/30/14 00:09*	*1*
Tetrachloro-m-xylene	*78*		*45 - 130*	*08/28/14 09:02*	*08/30/14 00:09*	*1*

Client Sample ID: SSHS-B43-A-SS

Date Collected: 08/15/14 10:55
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-13

Matrix: Solid
Percent Solids: 79.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	3.0	ug/Kg	☼	08/28/14 09:02	08/31/14 09:26	1
PCB-1221	ND		20	3.9	ug/Kg	☼	08/28/14 09:02	08/31/14 09:26	1
PCB-1232	ND		20	3.5	ug/Kg	☼	08/28/14 09:02	08/31/14 09:26	1
PCB-1242	ND		20	3.3	ug/Kg	☼	08/28/14 09:02	08/31/14 09:26	1
PCB-1248	**56**		20	1.9	ug/Kg	☼	08/28/14 09:02	08/31/14 09:26	1
PCB-1254	ND		20	2.9	ug/Kg	☼	08/28/14 09:02	08/31/14 09:26	1
PCB-1260	ND		20	2.9	ug/Kg	☼	08/28/14 09:02	08/31/14 09:26	1
PCB-1262	ND		20	4.5	ug/Kg	☼	08/28/14 09:02	08/31/14 09:26	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/28/14 09:02	08/31/14 09:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/28/14 09:02*	*08/31/14 08:53*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 125*	*08/28/14 09:02*	*08/31/14 09:26*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*45 - 135*	*08/28/14 09:02*	*08/31/14 08:53*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*45 - 135*	*08/28/14 09:02*	*08/31/14 09:26*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		25	2.6	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Antimony	ND		1.2	0.25	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Arsenic	**8.1**		1.2	0.38	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Barium	**100**		25	0.016	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Beryllium	**0.53**		0.50	0.014	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Cadmium	**0.13**	**J**	0.62	0.018	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Calcium	**2000**		620	1.9	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Chromium	**13**		0.62	0.096	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Cobalt	**9.0**		6.2	0.052	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Copper	**22**		3.1	0.18	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Iron	**21000**		12	1.1	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Lead	**15**		1.2	0.13	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Magnesium	**2800**		620	2.6	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Manganese	**490**		1.9	0.11	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Nickel	**32**	**B**	5.0	0.059	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Potassium	**1100**		620	7.9	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Selenium	**0.42**	**J**	1.2	0.33	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Silver	ND		0.62	0.050	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Sodium	**30**	**J**	620	1.3	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Thallium	ND		2.5	0.18	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Vanadium	**15**		6.2	0.22	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1
Zinc	**100**	**B**	2.5	0.13	mg/Kg	☼	08/26/14 08:56	08/28/14 15:02	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.023**	**J**	0.040	0.013	mg/Kg	☼	08/28/14 10:28	08/28/14 14:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**20**		0.10	0.10	%			08/19/14 14:31	1
Percent Solids	**80**		0.10	0.10	%			08/19/14 14:31	1
Cyanide, Total	**0.71**		0.61	0.18	mg/Kg	☼	08/28/14 09:30	08/28/14 11:54	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35858-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B43-A-0.17-2 (1.5)

Lab Sample ID: 180-35858-14
Date Collected: 08/15/14 11:00
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 84.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**88**		23	5.8	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Benzene	ND		5.8	0.78	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Bromoform	ND		5.8	0.51	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Bromomethane	ND		5.8	0.86	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
2-Butanone (MEK)	ND		5.8	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Carbon disulfide	ND		5.8	0.59	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Carbon tetrachloride	ND	*	5.8	0.52	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Chlorobenzene	ND		5.8	0.88	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Chlorobromomethane	ND		5.8	0.80	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Chlorodibromomethane	ND		5.8	0.82	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Chloroethane	ND		5.8	1.8	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Chloroform	ND		5.8	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Chloromethane	ND		5.8	0.99	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
cis-1,2-Dichloroethene	ND		5.8	0.82	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
cis-1,3-Dichloropropene	ND		5.8	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Cyclohexane	ND		5.8	0.43	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
1,2-Dibromo-3-Chloropropane	ND		5.8	0.87	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
1,2-Dibromoethane	ND		5.8	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
1,2-Dichlorobenzene	ND		5.8	0.93	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
1,3-Dichlorobenzene	ND		5.8	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
1,4-Dichlorobenzene	ND		5.8	0.74	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Dichlorobromomethane	ND		5.8	0.65	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Dichlorodifluoromethane	ND		5.8	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
1,1-Dichloroethane	ND		5.8	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
1,2-Dichloroethane	ND		5.8	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
1,1-Dichloroethene	ND		5.8	0.98	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
1,2-Dichloropropane	ND		5.8	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
1,4-Dioxane	ND		1200	320	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Ethylbenzene	ND		5.8	0.75	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
2-Hexanone	ND		5.8	0.80	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Isopropylbenzene	ND		5.8	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Methyl acetate	ND		5.8	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Methylcyclohexane	ND		5.8	0.84	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Methylene Chloride	ND		5.8	0.78	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.8	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Methyl tert-butyl ether	ND		5.8	0.87	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
m-Xylene & p-Xylene	ND		12	1.7	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
o-Xylene	ND		5.8	0.90	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Styrene	ND		5.8	0.82	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
1,1,2,2-Tetrachloroethane	ND		5.8	0.83	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Tetrachloroethene	ND		5.8	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Toluene	ND		5.8	0.85	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
trans-1,2-Dichloroethene	ND	*	5.8	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
trans-1,3-Dichloropropene	ND		5.8	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
1,2,3-Trichlorobenzene	ND		5.8	0.98	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
1,2,4-Trichlorobenzene	ND		5.8	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
1,1,1-Trichloroethane	ND	*	5.8	0.56	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
1,1,2-Trichloroethane	ND		5.8	0.97	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Trichloroethene	ND		5.8	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B43-A-0.17-2 (1.5)
Date Collected: 08/15/14 11:00
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-14
Matrix: Solid
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		5.8	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.8	1.2	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1
Vinyl chloride	ND		5.8	0.54	ug/Kg	☼	08/25/14 04:25	08/25/14 10:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/25/14 04:25*	*08/25/14 10:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/25/14 04:25*	*08/25/14 10:14*	*1*
Dibromofluoromethane (Surr)	*109*		*68 - 121*	*08/25/14 04:25*	*08/25/14 10:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*52 - 124*	*08/25/14 04:25*	*08/25/14 10:14*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/25/14 04:25*	*08/25/14 10:14*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**8.5**	**J**	77	7.4	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Acenaphthylene	**93**		77	8.8	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Acetophenone	ND		380	31	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Anthracene	**63**	**J**	77	7.5	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Atrazine	ND		380	37	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Benzaldehyde	ND		380	57	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Benzo[a]anthracene	**180**		77	9.6	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Benzo[a]pyrene	**180**		77	7.7	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Benzo[b]fluoranthene	**240**		77	12	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Benzo[g,h,i]perylene	**160**		77	7.6	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Benzo[k]fluoranthene	**97**		77	15	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
1,1'-Biphenyl	ND		380	34	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Bis(2-chloroethoxy)methane	ND		380	25	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Bis(2-chloroethyl)ether	ND		77	10	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Bis(2-ethylhexyl) phthalate	ND		770	62	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
4-Bromophenyl phenyl ether	ND		380	33	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Butyl benzyl phthalate	ND		380	52	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Caprolactam	ND		2000	290	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Carbazole	**13**	**J**	77	7.1	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
4-Chloroaniline	ND		380	31	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
4-Chloro-3-methylphenol	ND		380	35	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
2-Chloronaphthalene	ND		77	8.0	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
2-Chlorophenol	ND		380	31	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
4-Chlorophenyl phenyl ether	ND		380	43	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Chrysene	**220**		77	9.1	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Dibenz(a,h)anthracene	**31**	**J**	77	8.5	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Dibenzofuran	ND		380	38	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
3,3'-Dichlorobenzidine	ND		380	40	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
2,4-Dichlorophenol	ND		77	7.7	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Diethyl phthalate	ND		380	42	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
2,4-Dimethylphenol	ND		380	60	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Dimethyl phthalate	ND		380	42	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Di-n-butyl phthalate	ND		380	48	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
4,6-Dinitro-2-methylphenol	ND		2000	150	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
2,4-Dinitrophenol	ND		2000	460	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1

Client Sample Results

Client Sample ID: SSHS-B43-A-0.17-2 (1.5)

Lab Sample ID: 180-35858-14

Date Collected: 08/15/14 11:00
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 84.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
2,6-Dinitrotoluene	ND		380	39	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Di-n-octyl phthalate	ND		380	40	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
1,4-Dioxane	ND		770	44	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Fluoranthene	**280**		77	8.2	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Fluorene	**15**	**J**	77	10	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Hexachlorobenzene	ND		77	8.2	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Hexachlorobutadiene	ND		77	8.6	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Hexachlorocyclopentadiene	ND		380	41	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Hexachloroethane	ND		380	28	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Indeno[1,2,3-cd]pyrene	**130**		77	7.9	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Isophorone	ND		380	29	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
2-Methylnaphthalene	**32**	**J**	77	6.9	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Methylphenol, 3 & 4	ND		380	37	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Naphthalene	**22**	**J**	77	6.6	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
2-Nitroaniline	ND		2000	170	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Nitrobenzene	ND		770	32	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
2-Nitrophenol	ND		380	42	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
4-Nitrophenol	ND		2000	140	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
N-Nitrosodi-n-propylamine	ND		77	9.0	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
N-Nitrosodiphenylamine	ND		380	35	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
2,2'-oxybis[1-chloropropane]	ND		77	8.3	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Pentachlorophenol	ND		380	34	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Phenanthrene	**140**		77	12	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Phenol	ND		77	9.0	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
Pyrene	**280**		77	7.7	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
2,3,4,6-Tetrachlorophenol	ND		380	25	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
2,4,5-Trichlorophenol	ND		380	41	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1
2,4,6-Trichlorophenol	ND		380	57	ug/Kg	☼	08/28/14 09:00	08/29/14 17:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*300*	*T J*	*ug/Kg*	☼	*16.21*		*08/28/14 09:00*	*08/29/14 17:20*	*1*
Unknown PAH	*200*	*T J*	*ug/Kg*	☼	*16.95*		*08/28/14 09:00*	*08/29/14 17:20*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*18.08*		*08/28/14 09:00*	*08/29/14 17:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*35 - 105*	*08/28/14 09:00*	*08/29/14 17:20*	*1*
2-Fluorophenol (Surr)	*56*		*39 - 103*	*08/28/14 09:00*	*08/29/14 17:20*	*1*
Nitrobenzene-d5 (Surr)	*58*		*25 - 104*	*08/28/14 09:00*	*08/29/14 17:20*	*1*
Phenol-d5 (Surr)	*56*		*25 - 105*	*08/28/14 09:00*	*08/29/14 17:20*	*1*
Terphenyl-d14 (Surr)	*56*		*25 - 127*	*08/28/14 09:00*	*08/29/14 17:20*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*35 - 124*	*08/28/14 09:00*	*08/29/14 17:20*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.34	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1

Client Sample ID: SSHS-B43-A-0.17-2 (1.5) **Lab Sample ID: 180-35858-14**
Date Collected: 08/15/14 11:00 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 84.9**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		2.0	0.31	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
alpha-Chlordane	ND		2.0	0.38	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
beta-BHC	ND		2.0	0.50	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
4,4'-DDD	ND		2.0	0.25	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
4,4'-DDE	ND		2.0	0.29	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
4,4'-DDT	**4.3**	**p**	2.0	0.29	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
delta-BHC	**0.70**	**J p**	2.0	0.29	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
Dieldrin	**1.8**	**J**	2.0	0.32	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
Endosulfan I	**0.91**	**J**	2.0	0.36	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
Endosulfan II	ND		2.0	0.34	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
Endosulfan sulfate	**0.97**	**J p**	2.0	0.20	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
Endrin	**14**		2.0	0.37	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
Endrin aldehyde	**1.7**	**J**	2.0	0.37	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
Endrin ketone	ND		2.0	0.30	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
gamma-BHC (Lindane)	ND		2.0	0.34	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
gamma-Chlordane	**6.5**	**p**	2.0	0.38	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
Heptachlor	ND		2.0	0.43	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
Heptachlor epoxide	**1.9**	**J p**	2.0	0.37	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
Methoxychlor	**1.2**	**J p**	3.8	0.40	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1
Toxaphene	ND		77	13	ug/Kg	☼	08/28/14 09:02	08/30/14 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*08/28/14 09:02*	*08/30/14 00:24*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*08/28/14 09:02*	*08/30/14 00:24*	*1*
Tetrachloro-m-xylene	*77*		*45 - 130*	*08/28/14 09:02*	*08/30/14 00:24*	*1*
Tetrachloro-m-xylene	*74*		*45 - 130*	*08/28/14 09:02*	*08/30/14 00:24*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/28/14 09:02	08/31/14 09:58	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/28/14 09:02	08/31/14 09:58	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/28/14 09:02	08/31/14 09:58	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/28/14 09:02	08/31/14 09:58	1
PCB-1248	**410**		19	1.8	ug/Kg	☼	08/28/14 09:02	08/31/14 09:58	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/28/14 09:02	08/31/14 09:58	1
PCB-1260	**97**		19	2.7	ug/Kg	☼	08/28/14 09:02	08/31/14 09:58	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/28/14 09:02	08/31/14 09:58	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/28/14 09:02	08/31/14 09:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/28/14 09:02*	*08/31/14 09:26*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/28/14 09:02*	*08/31/14 09:58*	*1*
Tetrachloro-m-xylene (Surr)	*67*		*45 - 135*	*08/28/14 09:02*	*08/31/14 09:26*	*1*
Tetrachloro-m-xylene (Surr)	*66*		*45 - 135*	*08/28/14 09:02*	*08/31/14 09:58*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8200**		23	2.4	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Antimony	ND		1.1	0.23	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Arsenic	**8.4**		1.1	0.35	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1

Client Sample ID: SSHS-B43-A-0.17-2 (1.5) Lab Sample ID: 180-35858-14

Date Collected: 08/15/14 11:00 **Matrix: Solid**

Date Received: 08/16/14 09:00 **Percent Solids: 84.9**

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**88**		23	0.015	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Beryllium	**0.43**	**J**	0.46	0.013	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Cadmium	**0.097**	**J**	0.57	0.016	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Calcium	**2000**		570	1.7	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Chromium	**12**		0.57	0.088	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Cobalt	**6.8**		5.7	0.048	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Copper	**33**		2.9	0.16	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Iron	**19000**		11	1.0	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Lead	**22**		1.1	0.12	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Magnesium	**2100**		570	2.4	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Manganese	**460**		1.7	0.10	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Nickel	**19**	**B**	4.6	0.054	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Potassium	**840**		570	7.3	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Selenium	**0.56**	**J**	1.1	0.31	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Silver	ND		0.57	0.046	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Sodium	**69**	**J**	570	1.2	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Thallium	ND		2.3	0.17	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Vanadium	**14**		5.7	0.20	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1
Zinc	**75**	**B**	2.3	0.12	mg/Kg	☼	08/26/14 08:56	08/28/14 15:07	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.044**		0.038	0.012	mg/Kg	☼	08/28/14 10:28	08/28/14 14:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15**		0.10	0.10	%			08/19/14 14:31	1
Percent Solids	**85**		0.10	0.10	%			08/19/14 14:31	1
Cyanide, Total	**0.39**	**J**	0.58	0.17	mg/Kg	☼	08/28/14 09:30	08/28/14 11:54	1

Client Sample ID: SSHS-B43-A-2-6 (4) Lab Sample ID: 180-35858-15

Date Collected: 08/15/14 11:10 **Matrix: Solid**

Date Received: 08/16/14 09:00 **Percent Solids: 89.5**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.7	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Benzene	ND		4.7	0.63	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Bromoform	ND		4.7	0.42	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Bromomethane	ND		4.7	0.69	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
2-Butanone (MEK)	ND		4.7	0.83	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Carbon disulfide	ND		4.7	0.48	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Carbon tetrachloride	ND		4.7	0.42	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Chlorobenzene	ND		4.7	0.71	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Chlorobromomethane	ND		4.7	0.65	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Chlorodibromomethane	ND		4.7	0.67	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Chloroethane	ND		4.7	1.5	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Chloroform	ND		4.7	0.55	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Chloromethane	ND		4.7	0.80	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
cis-1,2-Dichloroethene	ND		4.7	0.66	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1

Client Sample Results

Client Sample ID: SSHS-B43-A-2-6 (4)
Date Collected: 08/15/14 11:10
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-15
Matrix: Solid
Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		4.7	0.64	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Cyclohexane	ND		4.7	0.35	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
1,2-Dibromo-3-Chloropropane	ND		4.7	0.70	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
1,2-Dibromoethane	ND		4.7	0.81	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
1,2-Dichlorobenzene	ND		4.7	0.75	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
1,3-Dichlorobenzene	ND		4.7	0.62	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
1,4-Dichlorobenzene	ND		4.7	0.60	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Dichlorobromomethane	ND		4.7	0.53	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Dichlorodifluoromethane	ND		4.7	0.63	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
1,1-Dichloroethane	ND		4.7	0.54	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
1,2-Dichloroethane	ND		4.7	0.58	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
1,1-Dichloroethene	ND		4.7	0.80	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
1,2-Dichloropropane	ND		4.7	0.51	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
1,4-Dioxane	ND		940	260	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Ethylbenzene	ND		4.7	0.60	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
2-Hexanone	ND		4.7	0.65	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Isopropylbenzene	ND		4.7	0.64	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Methyl acetate	ND		4.7	0.85	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Methylcyclohexane	ND		4.7	0.68	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Methylene Chloride	ND		4.7	0.63	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	0.61	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Methyl tert-butyl ether	ND		4.7	0.70	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
m-Xylene & p-Xylene	ND		9.4	1.4	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
o-Xylene	ND		4.7	0.73	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Styrene	ND		4.7	0.66	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.67	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Tetrachloroethene	ND		4.7	0.64	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Toluene	ND		4.7	0.69	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
trans-1,2-Dichloroethene	ND		4.7	0.56	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
trans-1,3-Dichloropropene	ND		4.7	0.56	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
1,2,3-Trichlorobenzene	ND		4.7	0.79	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
1,2,4-Trichlorobenzene	ND		4.7	0.83	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
1,1,1-Trichloroethane	ND		4.7	0.46	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
1,1,2-Trichloroethane	ND		4.7	0.78	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Trichloroethene	ND		4.7	0.62	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Trichlorofluoromethane	ND		4.7	0.86	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.0	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1
Vinyl chloride	ND		4.7	0.44	ug/Kg	☼	08/21/14 05:34	08/21/14 08:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/21/14 05:34*	*08/21/14 08:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*	*08/21/14 05:34*	*08/21/14 08:25*	*1*
Dibromofluoromethane (Surr)	*100*		*68 - 121*	*08/21/14 05:34*	*08/21/14 08:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*52 - 124*	*08/21/14 05:34*	*08/21/14 08:25*	*1*
Toluene-d8 (Surr)	*101*		*72 - 127*	*08/21/14 05:34*	*08/21/14 08:25*	*1*

Client Sample Results

Client Sample ID: SSHS-B43-A-2-6 (4)
Date Collected: 08/15/14 11:10
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-15
Matrix: Solid
Percent Solids: 89.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	7.2	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Acenaphthylene	ND		75	8.5	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Acetophenone	ND		370	31	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Anthracene	ND		75	7.3	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Atrazine	ND		370	36	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Benzaldehyde	ND		370	56	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Benzo[a]anthracene	ND		75	9.3	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Benzo[a]pyrene	ND		75	7.5	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Benzo[b]fluoranthene	ND		75	12	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Benzo[g,h,i]perylene	ND		75	7.4	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Benzo[k]fluoranthene	ND		75	15	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
1,1'-Biphenyl	ND		370	33	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Bis(2-chloroethoxy)methane	ND		370	25	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Bis(2-chloroethyl)ether	ND		75	10	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Bis(2-ethylhexyl) phthalate	ND		750	60	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
4-Bromophenyl phenyl ether	ND		370	32	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Butyl benzyl phthalate	ND		370	51	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Carbazole	ND		75	6.9	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
4-Chloroaniline	ND		370	30	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
4-Chloro-3-methylphenol	ND		370	34	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
2-Chloronaphthalene	ND		75	7.8	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
2-Chlorophenol	ND		370	30	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
4-Chlorophenyl phenyl ether	ND		370	41	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Chrysene	ND		75	8.9	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Dibenz(a,h)anthracene	ND		75	8.3	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
3,3'-Dichlorobenzidine	ND		370	39	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
2,4-Dichlorophenol	ND		75	7.5	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Diethyl phthalate	ND		370	41	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
2,4-Dimethylphenol	ND		370	58	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Dimethyl phthalate	ND		370	41	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Di-n-butyl phthalate	ND		370	47	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
2,4-Dinitrophenol	ND		1900	440	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
2,4-Dinitrotoluene	ND		370	30	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
2,6-Dinitrotoluene	ND		370	38	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Di-n-octyl phthalate	ND		370	39	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
1,4-Dioxane	ND		750	43	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Fluoranthene	ND		75	8.0	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Fluorene	ND		75	9.8	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Hexachlorobenzene	ND		75	7.9	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Hexachlorobutadiene	ND		75	8.3	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Hexachlorocyclopentadiene	ND		370	40	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Hexachloroethane	ND		370	27	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Indeno[1,2,3-cd]pyrene	ND		75	7.7	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Isophorone	ND		370	28	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
2-Methylnaphthalene	ND		75	6.7	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
2-Methylphenol	ND		370	26	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1

Client Sample ID: SSHS-B43-A-2-6 (4)

Lab Sample ID: 180-35858-15

Date Collected: 08/15/14 11:10
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 89.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		370	36	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Naphthalene	ND		75	6.4	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Nitrobenzene	ND		750	31	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
2-Nitrophenol	ND		370	41	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
N-Nitrosodi-n-propylamine	ND		75	8.7	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
N-Nitrosodiphenylamine	ND		370	35	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
2,2'-oxybis[1-chloropropane]	ND		75	8.0	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Pentachlorophenol	ND		370	33	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Phenanthrene	ND		75	12	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Phenol	ND		75	8.8	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
Pyrene	ND		75	7.5	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
1,2,4,5-Tetrachlorobenzene	ND		370	28	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
2,3,4,6-Tetrachlorophenol	ND		370	24	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
2,4,5-Trichlorophenol	ND		370	40	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1
2,4,6-Trichlorophenol	ND		370	56	ug/Kg	☼	08/28/14 16:17	08/29/14 19:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/28/14 16:17*	*08/29/14 19:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*35 - 105*	*08/28/14 16:17*	*08/29/14 19:37*	*1*
2-Fluorophenol (Surr)	*55*		*39 - 103*	*08/28/14 16:17*	*08/29/14 19:37*	*1*
Nitrobenzene-d5 (Surr)	*61*		*25 - 104*	*08/28/14 16:17*	*08/29/14 19:37*	*1*
Phenol-d5 (Surr)	*57*		*25 - 105*	*08/28/14 16:17*	*08/29/14 19:37*	*1*
Terphenyl-d14 (Surr)	*62*		*25 - 127*	*08/28/14 16:17*	*08/29/14 19:37*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*35 - 124*	*08/28/14 16:17*	*08/29/14 19:37*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
alpha-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
beta-BHC	ND		1.9	0.48	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
4,4'-DDT	**7.6**		1.9	0.28	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
Dieldrin	**0.87**	**J**	1.9	0.31	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
Endosulfan I	ND		1.9	0.35	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
Endosulfan sulfate	**0.46**	**J p**	1.9	0.19	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
Endrin	**3.8**		1.9	0.36	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
Endrin aldehyde	**0.50**	**J p**	1.9	0.36	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
gamma-Chlordane	**1.3**	**J p**	1.9	0.37	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1

Client Sample Results

Client Sample ID: SSHS-B43-A-2-6 (4)

Lab Sample ID: 180-35858-15

Date Collected: 08/15/14 11:10

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 89.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1
Toxaphene	ND		74	12	ug/Kg	☼	08/28/14 16:07	08/31/14 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*45 - 130*	*08/28/14 16:07*	*08/31/14 13:21*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/28/14 16:07*	*08/31/14 13:21*	*1*
Tetrachloro-m-xylene	*102*		*45 - 130*	*08/28/14 16:07*	*08/31/14 13:21*	*1*
Tetrachloro-m-xylene	*97*		*45 - 130*	*08/28/14 16:07*	*08/31/14 13:21*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.8	ug/Kg	☼	08/28/14 16:07	09/01/14 00:52	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/28/14 16:07	09/01/14 00:52	1
PCB-1232	ND		18	3.2	ug/Kg	☼	08/28/14 16:07	09/01/14 00:52	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/28/14 16:07	09/01/14 00:52	1
PCB-1248	**29**		18	1.7	ug/Kg	☼	08/28/14 16:07	09/01/14 00:52	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/28/14 16:07	09/01/14 00:52	1
PCB-1260	**33**		18	2.6	ug/Kg	☼	08/28/14 16:07	09/01/14 00:52	1
PCB-1262	ND		18	4.1	ug/Kg	☼	08/28/14 16:07	09/01/14 00:52	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/28/14 16:07	09/01/14 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/28/14 16:07*	*09/01/14 00:21*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/28/14 16:07*	*09/01/14 00:52*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*45 - 135*	*08/28/14 16:07*	*09/01/14 00:21*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*45 - 135*	*08/28/14 16:07*	*09/01/14 00:52*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9800**		22	2.3	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Arsenic	**11**		1.1	0.33	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Barium	**74**		22	0.014	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Beryllium	**0.41**	**J**	0.43	0.012	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Cadmium	**0.053**	**J**	0.54	0.016	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Calcium	**1400**		540	1.6	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Chromium	**11**	**B**	0.54	0.084	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Cobalt	**7.8**		5.4	0.045	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Copper	**21**		2.7	0.16	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Iron	**18000**		11	0.96	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Lead	**17**		1.1	0.11	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Magnesium	**2100**		540	2.2	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Manganese	**650**		1.6	0.096	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Nickel	**15**		4.3	0.052	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Potassium	**660**		540	6.9	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Selenium	**0.45**	**J**	1.1	0.29	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Silver	ND		0.54	0.044	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Sodium	**45**	**J**	540	1.1	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1

Client Sample ID: SSHS-B43-A-2-6 (4)

Lab Sample ID: 180-35858-15
Date Collected: 08/15/14 11:10
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 89.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		2.2	0.16	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Vanadium	**16**		5.4	0.19	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1
Zinc	**56**	**B**	2.2	0.11	mg/Kg	☼	08/26/14 08:58	08/28/14 15:54	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.045**		0.035	0.011	mg/Kg	☼	08/28/14 10:30	08/28/14 14:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10**		0.10	0.10	%			08/19/14 14:00	1
Percent Solids	**90**		0.10	0.10	%			08/19/14 14:00	1
Cyanide, Total	**1.3**		0.55	0.16	mg/Kg	☼	08/28/14 09:30	08/28/14 11:54	1

Client Sample ID: SSHS-B43-A-7-9 (8)

Lab Sample ID: 180-35858-16
Date Collected: 08/15/14 11:35
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 91.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.7	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Benzene	ND		4.7	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Bromoform	ND		4.7	0.41	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Bromomethane	ND		4.7	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
2-Butanone (MEK)	ND		4.7	0.82	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Carbon disulfide	ND		4.7	0.48	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Carbon tetrachloride	ND	*	4.7	0.42	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Chlorobenzene	ND		4.7	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Chlorobromomethane	ND		4.7	0.64	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Chlorodibromomethane	ND		4.7	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Chloroethane	ND		4.7	1.4	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Chloroform	ND		4.7	0.54	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Chloromethane	ND		4.7	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
cis-1,2-Dichloroethene	ND		4.7	0.65	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
cis-1,3-Dichloropropene	ND		4.7	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Cyclohexane	ND		4.7	0.35	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
1,2-Dibromo-3-Chloropropane	ND		4.7	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
1,2-Dibromoethane	ND		4.7	0.80	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
1,2-Dichlorobenzene	ND		4.7	0.74	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
1,3-Dichlorobenzene	ND		4.7	0.61	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
1,4-Dichlorobenzene	ND		4.7	0.59	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Dichlorobromomethane	ND		4.7	0.52	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Dichlorodifluoromethane	ND		4.7	0.62	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
1,1-Dichloroethane	ND		4.7	0.54	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
1,2-Dichloroethane	ND		4.7	0.57	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
1,1-Dichloroethene	ND		4.7	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
1,2-Dichloropropane	ND		4.7	0.51	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
1,4-Dioxane	ND		930	260	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Ethylbenzene	ND		4.7	0.60	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
2-Hexanone	ND		4.7	0.64	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1

Client Sample ID: SSHS-B43-A-7-9 (8)
Date Collected: 08/15/14 11:35
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-16
Matrix: Solid
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		4.7	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Methyl acetate	ND		4.7	0.84	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Methylcyclohexane	ND		4.7	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Methylene Chloride	ND		4.7	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	0.61	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Methyl tert-butyl ether	ND		4.7	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
m-Xylene & p-Xylene	ND		9.3	1.4	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
o-Xylene	ND		4.7	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Styrene	ND		4.7	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Tetrachloroethene	ND		4.7	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Toluene	ND		4.7	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
trans-1,2-Dichloroethene	ND	*	4.7	0.55	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
trans-1,3-Dichloropropene	ND		4.7	0.56	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
1,2,3-Trichlorobenzene	ND		4.7	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
1,2,4-Trichlorobenzene	ND		4.7	0.82	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
1,1,1-Trichloroethane	ND	*	4.7	0.45	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
1,1,2-Trichloroethane	ND		4.7	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Trichloroethene	ND		4.7	0.61	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Trichlorofluoromethane	ND		4.7	0.86	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.7	0.99	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1
Vinyl chloride	ND		4.7	0.44	ug/Kg	☼	08/25/14 04:25	08/25/14 10:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/25/14 04:25*	*08/25/14 10:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/25/14 04:25*	*08/25/14 10:37*	*1*
Dibromofluoromethane (Surr)	*101*		*68 - 121*	*08/25/14 04:25*	*08/25/14 10:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*52 - 124*	*08/25/14 04:25*	*08/25/14 10:37*	*1*
Toluene-d8 (Surr)	*101*		*72 - 127*	*08/25/14 04:25*	*08/25/14 10:37*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	6.8	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Acenaphthylene	ND		71	8.1	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Acetophenone	ND		350	29	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Anthracene	ND		71	6.9	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Atrazine	ND		350	35	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Benzo[a]anthracene	ND		71	8.9	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Benzo[a]pyrene	ND		71	7.1	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Benzo[b]fluoranthene	ND		71	11	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Benzo[g,h,i]perylene	ND		71	7.1	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Benzo[k]fluoranthene	ND		71	14	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
1,1'-Biphenyl	ND		350	32	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Bis(2-chloroethyl)ether	ND		71	9.5	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Bis(2-ethylhexyl) phthalate	ND		710	57	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1

Client Sample ID: SSHS-B43-A-7-9 (8) **Lab Sample ID: 180-35858-16**
Date Collected: 08/15/14 11:35 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 91.6**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Carbazole	ND		71	6.5	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
4-Chloro-3-methylphenol	ND		350	33	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
2-Chloronaphthalene	ND		71	7.4	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Chrysene	ND		71	8.4	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Dibenz(a,h)anthracene	ND		71	7.9	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
2,4-Dichlorophenol	ND		71	7.1	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Dimethyl phthalate	ND		350	39	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
2,4-Dinitrotoluene	ND		350	29	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
2,6-Dinitrotoluene	ND		350	37	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
1,4-Dioxane	ND		710	41	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Fluoranthene	ND		71	7.6	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Fluorene	ND		71	9.3	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Hexachlorobenzene	ND		71	7.6	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Hexachlorobutadiene	ND		71	7.9	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Indeno[1,2,3-cd]pyrene	ND		71	7.3	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Isophorone	ND		350	27	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
2-Methylnaphthalene	ND		71	6.4	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Naphthalene	ND		71	6.1	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Nitrobenzene	ND		710	30	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
N-Nitrosodi-n-propylamine	ND		71	8.3	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
2,2'-oxybis[1-chloropropane]	ND		71	7.7	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Phenanthrene	ND		71	11	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Phenol	ND		71	8.4	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
Pyrene	ND		71	7.2	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1

Client Sample Results

Client Sample ID: SSHS-B43-A-7-9 (8)

Lab Sample ID: 180-35858-16

Date Collected: 08/15/14 11:35
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 91.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/28/14 09:00	08/29/14 17:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*230*	*T J*	*ug/Kg*	☼	*4.46*		*08/28/14 09:00*	*08/29/14 17:47*	*1*
Unknown	*140*	*T J*	*ug/Kg*	☼	*10.71*		*08/28/14 09:00*	*08/29/14 17:47*	*1*
Unknown	*400*	*T J*	*ug/Kg*	☼	*11.89*		*08/28/14 09:00*	*08/29/14 17:47*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*12.70*		*08/28/14 09:00*	*08/29/14 17:47*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*13.12*		*08/28/14 09:00*	*08/29/14 17:47*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*13.27*		*08/28/14 09:00*	*08/29/14 17:47*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*13.29*		*08/28/14 09:00*	*08/29/14 17:47*	*1*
Unknown	*850*	*T J*	*ug/Kg*	☼	*13.32*		*08/28/14 09:00*	*08/29/14 17:47*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*14.32*		*08/28/14 09:00*	*08/29/14 17:47*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*16.17*		*08/28/14 09:00*	*08/29/14 17:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*35 - 105*	*08/28/14 09:00*	*08/29/14 17:47*	*1*
2-Fluorophenol (Surr)	*61*		*39 - 103*	*08/28/14 09:00*	*08/29/14 17:47*	*1*
Nitrobenzene-d5 (Surr)	*62*		*25 - 104*	*08/28/14 09:00*	*08/29/14 17:47*	*1*
Phenol-d5 (Surr)	*61*		*25 - 105*	*08/28/14 09:00*	*08/29/14 17:47*	*1*
Terphenyl-d14 (Surr)	*57*		*25 - 127*	*08/28/14 09:00*	*08/29/14 17:47*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*35 - 124*	*08/28/14 09:00*	*08/29/14 17:47*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1
Toxaphene	ND		71	12	ug/Kg	☼	08/28/14 09:02	08/30/14 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 130*	*08/28/14 09:02*	*08/30/14 00:40*	*1*

Client Sample Results

Client Sample ID: SSHS-B43-A-7-9 (8) **Lab Sample ID: 180-35858-16**
Date Collected: 08/15/14 11:35 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 91.6**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/28/14 09:02*	*08/30/14 00:40*	*1*
Tetrachloro-m-xylene	*80*		*45 - 130*	*08/28/14 09:02*	*08/30/14 00:40*	*1*
Tetrachloro-m-xylene	*75*		*45 - 130*	*08/28/14 09:02*	*08/30/14 00:40*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/28/14 09:02	08/31/14 09:58	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/28/14 09:02	08/31/14 09:58	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/28/14 09:02	08/31/14 09:58	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/28/14 09:02	08/31/14 09:58	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/28/14 09:02	08/31/14 09:58	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/28/14 09:02	08/31/14 09:58	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/28/14 09:02	08/31/14 09:58	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/28/14 09:02	08/31/14 09:58	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/28/14 09:02	08/31/14 09:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 125*	*08/28/14 09:02*	*08/31/14 09:58*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/28/14 09:02*	*08/31/14 10:30*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*	*08/28/14 09:02*	*08/31/14 09:58*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*45 - 135*	*08/28/14 09:02*	*08/31/14 10:30*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6600**		20	2.1	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Antimony	ND		1.0	0.20	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Arsenic	**8.0**		1.0	0.31	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Barium	**36**		20	0.013	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Beryllium	**0.31**	**J**	0.40	0.011	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Cadmium	**0.051**	**J**	0.50	0.014	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Calcium	**770**		500	1.5	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Chromium	**8.2**	**B**	0.50	0.077	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Cobalt	**5.6**		5.0	0.042	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Copper	**18**		2.5	0.14	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Iron	**16000**		10	0.89	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Lead	**8.0**		1.0	0.10	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Magnesium	**1900**		500	2.1	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Manganese	**340**		1.5	0.089	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Nickel	**14**		4.0	0.048	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Potassium	**770**		500	6.4	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Selenium	ND		1.0	0.27	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Silver	ND		0.50	0.040	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Sodium	**35**	**J**	500	1.1	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Thallium	**0.18**	**J**	2.0	0.15	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Vanadium	**12**		5.0	0.17	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1
Zinc	**44**	**B**	2.0	0.10	mg/Kg	☼	08/26/14 08:58	08/28/14 16:19	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.012	mg/Kg	☼	08/28/14 10:30	08/28/14 14:18	1

Client Sample Results

Client Sample ID: SSHS-B43-A-7-9 (8)

Lab Sample ID: 180-35858-16

Date Collected: 08/15/14 11:35

Matrix: Solid

Date Received: 08/16/14 09:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.4**		0.10	0.10	%			08/19/14 14:00	1
Percent Solids	**92**		0.10	0.10	%			08/19/14 14:00	1
Cyanide, Total	ND		0.53	0.16	mg/Kg	☼	08/28/14 09:30	08/28/14 11:54	1

Client Sample ID: SSHS-B43-A-11.5-13.5 (12.5)

Lab Sample ID: 180-35858-17

Date Collected: 08/15/14 11:40

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 95.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Benzene	ND		5.0	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Bromoform	ND		5.0	0.44	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Bromomethane	ND		5.0	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Carbon disulfide	ND		5.0	0.51	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Carbon tetrachloride	ND	*	5.0	0.44	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Chlorobenzene	ND		5.0	0.75	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Chlorobromomethane	ND		5.0	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Chloroethane	ND		5.0	1.5	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Chloroform	ND		5.0	0.58	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Chloromethane	ND		5.0	0.85	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
cis-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Cyclohexane	ND		5.0	0.37	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.74	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
1,2-Dichlorobenzene	ND		5.0	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
1,3-Dichlorobenzene	ND		5.0	0.65	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
1,4-Dichlorobenzene	ND		5.0	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Dichlorodifluoromethane	ND		5.0	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
1,1-Dichloroethane	ND		5.0	0.57	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
1,1-Dichloroethene	ND		5.0	0.84	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
1,4-Dioxane	ND		990	270	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Ethylbenzene	ND		5.0	0.64	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
2-Hexanone	ND		5.0	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Isopropylbenzene	ND		5.0	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Methyl acetate	ND		5.0	0.90	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Methylcyclohexane	ND		5.0	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Methylene Chloride	ND		5.0	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Methyl tert-butyl ether	ND		5.0	0.74	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
m-Xylene & p-Xylene	ND		9.9	1.5	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
o-Xylene	ND		5.0	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Styrene	ND		5.0	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1

Client Sample ID: SSHS-B43-A-11.5-13.5 (12.5) **Lab Sample ID: 180-35858-17**
Date Collected: 08/15/14 11:40 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 95.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.0	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Toluene	ND		5.0	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
trans-1,2-Dichloroethene	ND	*	5.0	0.59	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
trans-1,3-Dichloropropene	ND		5.0	0.59	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
1,1,1-Trichloroethane	ND	*	5.0	0.48	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Trichloroethene	ND		5.0	0.65	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Trichlorofluoromethane	ND		5.0	0.91	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.0	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1
Vinyl chloride	ND		5.0	0.47	ug/Kg	☼	08/25/14 04:25	08/25/14 10:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/25/14 04:25*	*08/25/14 10:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*63 - 120*	*08/25/14 04:25*	*08/25/14 10:59*	*1*
Dibromofluoromethane (Surr)	*113*		*68 - 121*	*08/25/14 04:25*	*08/25/14 10:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*52 - 124*	*08/25/14 04:25*	*08/25/14 10:59*	*1*
Toluene-d8 (Surr)	*108*		*72 - 127*	*08/25/14 04:25*	*08/25/14 10:59*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	6.6	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Acenaphthylene	ND		69	7.9	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Acetophenone	ND		340	28	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Anthracene	ND		69	6.7	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Atrazine	ND		340	34	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Benzaldehyde	ND		340	52	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Benzo[a]anthracene	ND		69	8.6	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Benzo[a]pyrene	ND		69	6.9	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Benzo[b]fluoranthene	ND		69	11	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Benzo[g,h,i]perylene	ND		69	6.8	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Benzo[k]fluoranthene	ND		69	14	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
1,1'-Biphenyl	ND		340	31	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Bis(2-chloroethoxy)methane	ND		340	23	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Bis(2-chloroethyl)ether	ND		69	9.2	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Bis(2-ethylhexyl) phthalate	ND		690	56	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
4-Bromophenyl phenyl ether	ND		340	30	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Butyl benzyl phthalate	ND		340	47	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Caprolactam	ND		1800	260	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Carbazole	ND		69	6.3	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
4-Chloroaniline	ND		340	28	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
4-Chloro-3-methylphenol	ND		340	32	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
2-Chloronaphthalene	ND		69	7.2	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
2-Chlorophenol	ND		340	28	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
4-Chlorophenyl phenyl ether	ND		340	38	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Chrysene	ND		69	8.2	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Dibenz(a,h)anthracene	ND		69	7.7	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1

Client Sample ID: SSHS-B43-A-11.5-13.5 (12.5)

Lab Sample ID: 180-35858-17

Date Collected: 08/15/14 11:40 **Matrix: Solid**

Date Received: 08/16/14 09:00 **Percent Solids: 95.7**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		340	34	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
3,3'-Dichlorobenzidine	ND		340	36	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
2,4-Dichlorophenol	ND		69	6.9	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Diethyl phthalate	ND		340	38	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
2,4-Dimethylphenol	ND		340	54	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Dimethyl phthalate	ND		340	37	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Di-n-butyl phthalate	ND		340	43	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
2,4-Dinitrophenol	ND		1800	410	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
2,4-Dinitrotoluene	ND		340	28	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
2,6-Dinitrotoluene	ND		340	36	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Di-n-octyl phthalate	ND		340	36	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
1,4-Dioxane	ND		690	39	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Fluoranthene	ND		69	7.4	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Fluorene	ND		69	9.1	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Hexachlorobenzene	ND		69	7.3	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Hexachlorobutadiene	ND		69	7.7	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Hexachlorocyclopentadiene	ND		340	37	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Hexachloroethane	ND		340	25	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Indeno[1,2,3-cd]pyrene	ND		69	7.1	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Isophorone	ND		340	26	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
2-Methylnaphthalene	ND		69	6.2	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
2-Methylphenol	ND		340	24	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Methylphenol, 3 & 4	ND		340	34	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Naphthalene	ND		69	5.9	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
2-Nitroaniline	ND		1800	150	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
3-Nitroaniline	ND		1800	140	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Nitrobenzene	ND		690	29	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
2-Nitrophenol	ND		340	38	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
N-Nitrosodi-n-propylamine	ND		69	8.1	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
N-Nitrosodiphenylamine	ND		340	32	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
2,2'-oxybis[1-chloropropane]	ND		69	7.4	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Pentachlorophenol	ND		340	31	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Phenanthrene	ND		69	11	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Phenol	ND		69	8.1	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
Pyrene	ND		69	7.0	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
1,2,4,5-Tetrachlorobenzene	ND		340	26	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
2,3,4,6-Tetrachlorophenol	ND		340	22	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
2,4,5-Trichlorophenol	ND		340	37	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1
2,4,6-Trichlorophenol	ND		340	52	ug/Kg	☼	08/28/14 09:00	08/29/14 18:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*140*	*T J*	*ug/Kg*	☼	*13.12*		*08/28/14 09:00*	*08/29/14 18:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 105*	*08/28/14 09:00*	*08/29/14 18:15*	*1*
2-Fluorophenol (Surr)	*61*		*39 - 103*	*08/28/14 09:00*	*08/29/14 18:15*	*1*
Nitrobenzene-d5 (Surr)	*64*		*25 - 104*	*08/28/14 09:00*	*08/29/14 18:15*	*1*

Client Sample ID: SSHS-B43-A-11.5-13.5 (12.5)
Date Collected: 08/15/14 11:40
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-17
Matrix: Solid
Percent Solids: 95.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*62*		*25 - 105*	*08/28/14 09:00*	*08/29/14 18:15*	*1*
Terphenyl-d14 (Surr)	*67*		*25 - 127*	*08/28/14 09:00*	*08/29/14 18:15*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*35 - 124*	*08/28/14 09:00*	*08/29/14 18:15*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.30	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
alpha-BHC	ND		1.7	0.28	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
alpha-Chlordane	ND		1.7	0.34	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
beta-BHC	ND		1.7	0.44	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
4,4'-DDD	ND		1.7	0.22	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
4,4'-DDE	ND		1.7	0.26	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
4,4'-DDT	ND		1.7	0.25	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
delta-BHC	ND		1.7	0.26	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
Dieldrin	ND		1.7	0.28	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
Endosulfan I	ND		1.7	0.32	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
Endosulfan II	ND		1.7	0.30	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
Endosulfan sulfate	ND		1.7	0.18	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
Endrin	ND		1.7	0.33	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
Endrin aldehyde	ND		1.7	0.33	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
Endrin ketone	ND		1.7	0.26	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
gamma-BHC (Lindane)	ND		1.7	0.30	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
gamma-Chlordane	ND		1.7	0.33	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
Heptachlor	ND		1.7	0.38	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
Heptachlor epoxide	ND		1.7	0.33	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
Methoxychlor	ND		3.4	0.35	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1
Toxaphene	ND		68	11	ug/Kg	☼	08/28/14 09:02	08/30/14 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*08/28/14 09:02*	*08/30/14 00:55*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*	*08/28/14 09:02*	*08/30/14 00:55*	*1*
Tetrachloro-m-xylene	*83*		*45 - 130*	*08/28/14 09:02*	*08/30/14 00:55*	*1*
Tetrachloro-m-xylene	*81*		*45 - 130*	*08/28/14 09:02*	*08/30/14 00:55*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg	☼	08/28/14 09:02	08/31/14 10:30	1
PCB-1221	ND		17	3.2	ug/Kg	☼	08/28/14 09:02	08/31/14 10:30	1
PCB-1232	ND		17	2.9	ug/Kg	☼	08/28/14 09:02	08/31/14 10:30	1
PCB-1242	ND		17	2.8	ug/Kg	☼	08/28/14 09:02	08/31/14 10:30	1
PCB-1248	ND		17	1.6	ug/Kg	☼	08/28/14 09:02	08/31/14 10:30	1
PCB-1254	ND		17	2.4	ug/Kg	☼	08/28/14 09:02	08/31/14 10:30	1
PCB-1260	ND		17	2.4	ug/Kg	☼	08/28/14 09:02	08/31/14 10:30	1
PCB-1262	ND		17	3.7	ug/Kg	☼	08/28/14 09:02	08/31/14 10:30	1
PCB-1268	ND		17	2.2	ug/Kg	☼	08/28/14 09:02	08/31/14 10:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/28/14 09:02*	*08/31/14 10:30*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/28/14 09:02*	*08/31/14 11:03*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*	*08/28/14 09:02*	*08/31/14 10:30*	*1*

Client Sample Results

Client Sample ID: SSHS-B43-A-11.5-13.5 (12.5)

Lab Sample ID: 180-35858-17
Date Collected: 08/15/14 11:40
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 95.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*74*		*45 - 135*	*08/28/14 09:02*	*08/31/14 11:03*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6000**		22	2.2	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Antimony	ND		1.1	0.21	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Arsenic	**5.3**		1.1	0.33	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Barium	**35**		22	0.014	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Beryllium	**0.24**	**J**	0.43	0.012	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Cadmium	**0.037**	**J**	0.54	0.015	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Calcium	**42000**		540	1.6	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Chromium	**7.6**	**B**	0.54	0.083	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Cobalt	**5.3**	**J**	5.4	0.045	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Copper	**23**		2.7	0.16	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Iron	**14000**		11	0.96	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Lead	**5.6**		1.1	0.11	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Magnesium	**14000**		540	2.2	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Manganese	**340**		1.6	0.096	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Nickel	**13**		4.3	0.051	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Potassium	**850**		540	6.9	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Selenium	**0.39**	**J**	1.1	0.29	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Silver	ND		0.54	0.044	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Sodium	**79**	**J**	540	1.1	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Vanadium	**11**		5.4	0.19	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1
Zinc	**43**	**B**	2.2	0.11	mg/Kg	☼	08/26/14 08:58	08/28/14 16:24	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.010	mg/Kg	☼	08/28/14 10:30	08/28/14 14:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.3**		0.10	0.10	%			08/19/14 14:31	1
Percent Solids	**96**		0.10	0.10	%			08/19/14 14:31	1
Cyanide, Total	ND		0.52	0.15	mg/Kg	☼	08/28/14 09:30	08/28/14 11:54	1

Client Sample ID: SSHS-B71-0.17-2 (1.5)

Lab Sample ID: 180-35858-19
Date Collected: 08/15/14 08:50
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 91.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**6.1**	**J**	21	5.3	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Benzene	ND		5.3	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Bromoform	ND		5.3	0.47	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Bromomethane	ND		5.3	0.78	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
2-Butanone (MEK)	ND		5.3	0.93	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Carbon disulfide	ND		5.3	0.54	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Carbon tetrachloride	ND	*	5.3	0.47	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B71-0.17-2 (1.5)
Date Collected: 08/15/14 08:50
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-19
Matrix: Solid
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		5.3	0.80	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Chlorobromomethane	ND		5.3	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Chlorodibromomethane	ND		5.3	0.75	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Chloroethane	ND		5.3	1.6	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Chloroform	ND		5.3	0.62	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Chloromethane	ND		5.3	0.90	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
cis-1,2-Dichloroethene	ND		5.3	0.75	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
cis-1,3-Dichloropropene	ND		5.3	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Cyclohexane	ND		5.3	0.39	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
1,2-Dibromo-3-Chloropropane	ND		5.3	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
1,2-Dibromoethane	ND		5.3	0.91	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
1,2-Dichlorobenzene	ND		5.3	0.85	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
1,3-Dichlorobenzene	ND		5.3	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
1,4-Dichlorobenzene	ND		5.3	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Dichlorobromomethane	ND		5.3	0.59	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Dichlorodifluoromethane	ND		5.3	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
1,1-Dichloroethane	ND		5.3	0.61	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
1,2-Dichloroethane	ND		5.3	0.65	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
1,1-Dichloroethene	ND		5.3	0.90	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
1,2-Dichloropropane	ND		5.3	0.58	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
1,4-Dioxane	ND		1100	290	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Ethylbenzene	ND		5.3	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
2-Hexanone	ND		5.3	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Isopropylbenzene	ND		5.3	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Methyl acetate	ND		5.3	0.96	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Methylcyclohexane	ND		5.3	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Methylene Chloride	ND		5.3	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Methyl tert-butyl ether	ND		5.3	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
o-Xylene	ND		5.3	0.83	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Styrene	ND		5.3	0.75	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Tetrachloroethene	ND		5.3	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Toluene	ND		5.3	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
trans-1,2-Dichloroethene	ND	*	5.3	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
trans-1,3-Dichloropropene	ND		5.3	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
1,2,3-Trichlorobenzene	ND		5.3	0.90	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
1,2,4-Trichlorobenzene	ND		5.3	0.93	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
1,1,1-Trichloroethane	ND	*	5.3	0.52	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
1,1,2-Trichloroethane	ND		5.3	0.88	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Trichloroethene	ND		5.3	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Trichlorofluoromethane	ND		5.3	0.97	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.3	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1
Vinyl chloride	ND		5.3	0.50	ug/Kg	☼	08/25/14 04:25	08/25/14 11:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl Alcohol	*5.9*	*T J N*	*ug/Kg*	☼	*4.16*	*67-63-0*	*08/25/14 04:25*	*08/25/14 11:21*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-35858-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B71-0.17-2 (1.5)
Lab Sample ID: 180-35858-19

Date Collected: 08/15/14 08:50
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 91.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*63 - 120*	*08/25/14 04:25*	*08/25/14 11:21*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/25/14 04:25*	*08/25/14 11:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*	*08/25/14 04:25*	*08/25/14 11:21*	*1*
Toluene-d8 (Surr)	*108*		*72 - 127*	*08/25/14 04:25*	*08/25/14 11:21*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Acenaphthylene	**33**	**J**	73	8.3	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Acetophenone	ND		360	30	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Anthracene	**37**	**J**	73	7.1	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Atrazine	ND		360	35	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Benzaldehyde	ND		360	54	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Benzo[a]anthracene	**140**		73	9.1	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Benzo[a]pyrene	**140**		73	7.3	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Benzo[b]fluoranthene	**170**		73	11	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Benzo[g,h,i]perylene	**120**		73	7.2	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Benzo[k]fluoranthene	**51**	**J**	73	15	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Bis(2-chloroethyl)ether	ND		73	9.8	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Caprolactam	ND		1900	270	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Carbazole	ND		73	6.7	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Chrysene	**130**		73	8.7	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Dibenz(a,h)anthracene	**38**	**J**	73	8.1	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
2,4-Dinitrophenol	ND		1900	430	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Fluoranthene	**220**		73	7.8	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Fluorene	ND		73	9.6	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Hexachlorobenzene	ND		73	7.7	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Hexachlorobutadiene	ND		73	8.1	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1

Client Sample ID: SSHS-B71-0.17-2 (1.5)
Lab Sample ID: 180-35858-19
Date Collected: 08/15/14 08:50
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 91.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Indeno[1,2,3-cd]pyrene	**97**		73	7.5	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Isophorone	ND		360	27	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
2-Methylnaphthalene	**41**	**J**	73	6.5	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Naphthalene	**35**	**J**	73	6.3	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
N-Nitrosodi-n-propylamine	ND		73	8.5	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
2,2'-oxybis[1-chloropropane]	ND		73	7.8	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Phenanthrene	**110**		73	12	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Phenol	ND		73	8.6	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
Pyrene	**190**		73	7.4	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/28/14 09:00	08/29/14 18:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*150*	*T J*	*ug/Kg*	☼	*10.01*		*08/28/14 09:00*	*08/29/14 18:42*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*11.23*		*08/28/14 09:00*	*08/29/14 18:42*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*12.68*		*08/28/14 09:00*	*08/29/14 18:42*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*13.10*		*08/28/14 09:00*	*08/29/14 18:42*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*16.93*		*08/28/14 09:00*	*08/29/14 18:42*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*18.35*		*08/28/14 09:00*	*08/29/14 18:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*35 - 105*	*08/28/14 09:00*	*08/29/14 18:42*	*1*
2-Fluorophenol (Surr)	*62*		*39 - 103*	*08/28/14 09:00*	*08/29/14 18:42*	*1*
Nitrobenzene-d5 (Surr)	*67*		*25 - 104*	*08/28/14 09:00*	*08/29/14 18:42*	*1*
Phenol-d5 (Surr)	*61*		*25 - 105*	*08/28/14 09:00*	*08/29/14 18:42*	*1*
Terphenyl-d14 (Surr)	*59*		*25 - 127*	*08/28/14 09:00*	*08/29/14 18:42*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*35 - 124*	*08/28/14 09:00*	*08/29/14 18:42*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
alpha-Chlordane	**0.54**	**J**	1.8	0.35	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1

Client Sample ID: SSHS-B71-0.17-2 (1.5)
Lab Sample ID: 180-35858-19
Date Collected: 08/15/14 08:50
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 91.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
Endosulfan sulfate	**0.24**	**J p**	1.8	0.19	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
gamma-Chlordane	**0.99**	**J**	1.8	0.35	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
Heptachlor	**0.42**	**J p**	1.8	0.40	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1
Toxaphene	ND		72	12	ug/Kg	☼	08/28/14 09:28	08/30/14 02:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*	*08/28/14 09:28*	*08/30/14 02:29*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/28/14 09:28*	*08/30/14 02:29*	*1*
Tetrachloro-m-xylene	*74*		*45 - 130*	*08/28/14 09:28*	*08/30/14 02:29*	*1*
Tetrachloro-m-xylene	*72*		*45 - 130*	*08/28/14 09:28*	*08/30/14 02:29*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/28/14 09:28	08/31/14 11:35	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/28/14 09:28	08/31/14 11:35	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/28/14 09:28	08/31/14 11:35	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/28/14 09:28	08/31/14 11:35	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/28/14 09:28	08/31/14 11:35	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/28/14 09:28	08/31/14 11:35	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/28/14 09:28	08/31/14 11:35	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/28/14 09:28	08/31/14 11:35	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/28/14 09:28	08/31/14 11:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 125*	*08/28/14 09:28*	*08/31/14 11:35*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/28/14 09:28*	*08/31/14 12:07*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*45 - 135*	*08/28/14 09:28*	*08/31/14 11:35*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*45 - 135*	*08/28/14 09:28*	*08/31/14 12:07*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8200**		22	2.3	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Arsenic	**6.0**		1.1	0.34	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Barium	**89**		22	0.014	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Beryllium	**0.32**	**J**	0.44	0.012	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Cadmium	**0.066**	**J**	0.55	0.016	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Calcium	**23000**		550	1.6	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Chromium	**8.8**	**B**	0.55	0.085	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1

Client Sample ID: SSHS-B71-0.17-2 (1.5)

Lab Sample ID: 180-35858-19

Date Collected: 08/15/14 08:50
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 91.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**5.0**	**J**	5.5	0.046	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Copper	**29**		2.7	0.16	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Iron	**14000**		11	0.97	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Lead	**21**		1.1	0.11	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Magnesium	**3400**		550	2.3	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Manganese	**360**		1.6	0.098	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Nickel	**13**		4.4	0.052	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Potassium	**770**		550	7.0	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Selenium	ND		1.1	0.29	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Silver	ND		0.55	0.044	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Sodium	**200**	**J**	550	1.2	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Vanadium	**12**		5.5	0.19	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1
Zinc	**61**	**B**	2.2	0.11	mg/Kg	☼	08/26/14 08:58	08/28/14 16:29	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**		0.036	0.012	mg/Kg	☼	08/28/14 10:30	08/28/14 14:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.9**		0.10	0.10	%			08/19/14 14:31	1
Percent Solids	**91**		0.10	0.10	%			08/19/14 14:31	1
Cyanide, Total	ND		0.53	0.15	mg/Kg	☼	08/28/14 09:30	08/28/14 12:02	1

Client Sample ID: SSHS-B71-2.5-4.5 (3.5)

Lab Sample ID: 180-35858-20

Date Collected: 08/15/14 09:10
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 90.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	5.2	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Benzene	ND		5.2	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Bromoform	ND		5.2	0.46	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Bromomethane	ND		5.2	0.78	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
2-Butanone (MEK)	ND		5.2	0.93	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Carbon disulfide	ND		5.2	0.54	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Carbon tetrachloride	ND	*	5.2	0.47	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Chlorobenzene	ND		5.2	0.80	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Chlorobromomethane	ND		5.2	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Chlorodibromomethane	ND		5.2	0.74	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Chloroethane	ND		5.2	1.6	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Chloroform	ND		5.2	0.61	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Chloromethane	ND		5.2	0.89	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
cis-1,2-Dichloroethene	ND		5.2	0.74	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
cis-1,3-Dichloropropene	ND		5.2	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Cyclohexane	ND		5.2	0.39	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
1,2-Dibromo-3-Chloropropane	ND		5.2	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
1,2-Dibromoethane	ND		5.2	0.91	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
1,2-Dichlorobenzene	ND		5.2	0.84	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-35858-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: SSHS-B71-2.5-4.5 (3.5) Lab Sample ID: 180-35858-20

Date Collected: 08/15/14 09:10 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 90.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.2	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
1,4-Dichlorobenzene	ND		5.2	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Dichlorobromomethane	ND		5.2	0.59	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Dichlorodifluoromethane	ND		5.2	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
1,1-Dichloroethane	ND		5.2	0.60	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
1,2-Dichloroethane	ND		5.2	0.64	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
1,1-Dichloroethene	ND		5.2	0.89	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
1,2-Dichloropropane	ND		5.2	0.57	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
1,4-Dioxane	ND		1000	290	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Ethylbenzene	ND		5.2	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
2-Hexanone	ND		5.2	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Isopropylbenzene	ND		5.2	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Methyl acetate	ND		5.2	0.95	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Methylcyclohexane	ND		5.2	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Methylene Chloride	ND		5.2	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Methyl tert-butyl ether	ND		5.2	0.78	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
o-Xylene	ND		5.2	0.82	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Styrene	ND		5.2	0.74	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
1,1,2,2-Tetrachloroethane	ND		5.2	0.75	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Tetrachloroethene	ND		5.2	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Toluene	ND		5.2	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
trans-1,2-Dichloroethene	ND	*	5.2	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
trans-1,3-Dichloropropene	ND		5.2	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
1,2,3-Trichlorobenzene	ND		5.2	0.89	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
1,2,4-Trichlorobenzene	ND		5.2	0.93	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
1,1,1-Trichloroethane	ND	*	5.2	0.51	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
1,1,2-Trichloroethane	ND		5.2	0.87	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Trichloroethene	ND		5.2	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Trichlorofluoromethane	ND		5.2	0.96	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.2	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1
Vinyl chloride	ND		5.2	0.49	ug/Kg	☼	08/25/14 04:25	08/25/14 11:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/25/14 04:25*	*08/25/14 11:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*63 - 120*	*08/25/14 04:25*	*08/25/14 11:43*	*1*
Dibromofluoromethane (Surr)	*108*		*68 - 121*	*08/25/14 04:25*	*08/25/14 11:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*52 - 124*	*08/25/14 04:25*	*08/25/14 11:43*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*08/25/14 04:25*	*08/25/14 11:43*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	6.9	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Acenaphthylene	ND		72	8.2	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Acetophenone	ND		360	30	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Anthracene	ND		72	7.0	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Atrazine	ND		360	35	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B71-2.5-4.5 (3.5)

Date Collected: 08/15/14 09:10
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-20

Matrix: Solid
Percent Solids: 90.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		360	54	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Benzo[a]anthracene	ND		72	9.0	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Benzo[a]pyrene	ND		72	7.2	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Benzo[b]fluoranthene	ND		72	11	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Benzo[g,h,i]perylene	ND		72	7.1	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Benzo[k]fluoranthene	ND		72	15	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
1,1'-Biphenyl	ND		360	32	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Bis(2-chloroethyl)ether	ND		72	9.6	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Bis(2-ethylhexyl) phthalate	ND		720	58	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
4-Bromophenyl phenyl ether	ND		360	31	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Butyl benzyl phthalate	ND		360	49	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Carbazole	ND		72	6.6	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
4-Chloro-3-methylphenol	ND		360	33	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
2-Chloronaphthalene	ND		72	7.5	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
2-Chlorophenol	ND		360	29	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
4-Chlorophenyl phenyl ether	ND		360	40	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Chrysene	ND		72	8.6	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Dibenz(a,h)anthracene	ND		72	8.0	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Dibenzofuran	ND		360	35	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
3,3'-Dichlorobenzidine	ND		360	38	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
2,4-Dichlorophenol	ND		72	7.2	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Diethyl phthalate	ND		360	39	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
2,4-Dimethylphenol	ND		360	56	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Dimethyl phthalate	ND		360	39	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Di-n-butyl phthalate	ND		360	45	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
2,4-Dinitrophenol	ND		1800	430	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
2,6-Dinitrotoluene	ND		360	37	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
1,4-Dioxane	ND		720	41	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Fluoranthene	**15**	**J**	72	7.7	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Fluorene	ND		72	9.5	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Hexachlorobenzene	ND		72	7.7	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Indeno[1,2,3-cd]pyrene	ND		72	7.4	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Isophorone	ND		360	27	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
2-Methylnaphthalene	**9.6**	**J**	72	6.5	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
2-Methylphenol	ND		360	25	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Methylphenol, 3 & 4	ND		360	35	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Naphthalene	ND		72	6.2	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
4-Nitroaniline	ND		1800	150	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1

Client Sample ID: SSHS-B71-2.5-4.5 (3.5)
Lab Sample ID: 180-35858-20
Date Collected: 08/15/14 09:10
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 90.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		720	30	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
N-Nitrosodi-n-propylamine	ND		72	8.4	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
N-Nitrosodiphenylamine	ND		360	33	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
2,2'-oxybis[1-chloropropane]	ND		72	7.8	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Pentachlorophenol	ND		360	32	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Phenanthrene	**13**	**J**	72	11	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Phenol	ND		72	8.5	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
Pyrene	**13**	**J**	72	7.3	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
1,2,4,5-Tetrachlorobenzene	ND		360	27	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
2,4,5-Trichlorophenol	ND		360	38	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1
2,4,6-Trichlorophenol	ND		360	54	ug/Kg	☼	08/28/14 09:00	08/29/14 19:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*180*	*T J*	*ug/Kg*	☼	*12.70*		*08/28/14 09:00*	*08/29/14 19:09*	*1*
Unknown	*520*	*T J*	*ug/Kg*	☼	*13.12*		*08/28/14 09:00*	*08/29/14 19:09*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*14.49*		*08/28/14 09:00*	*08/29/14 19:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*35 - 105*	*08/28/14 09:00*	*08/29/14 19:09*	*1*
2-Fluorophenol (Surr)	*60*		*39 - 103*	*08/28/14 09:00*	*08/29/14 19:09*	*1*
Nitrobenzene-d5 (Surr)	*63*		*25 - 104*	*08/28/14 09:00*	*08/29/14 19:09*	*1*
Phenol-d5 (Surr)	*59*		*25 - 105*	*08/28/14 09:00*	*08/29/14 19:09*	*1*
Terphenyl-d14 (Surr)	*63*		*25 - 127*	*08/28/14 09:00*	*08/29/14 19:09*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*35 - 124*	*08/28/14 09:00*	*08/29/14 19:09*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
alpha-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
beta-BHC	ND		1.8	0.47	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
4,4'-DDD	ND		1.8	0.24	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
4,4'-DDT	ND		1.8	0.27	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
delta-BHC	ND		1.8	0.28	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
Dieldrin	ND		1.8	0.30	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
Endosulfan I	ND		1.8	0.34	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
Endosulfan sulfate	ND		1.8	0.19	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
Endrin	ND		1.8	0.35	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
Endrin aldehyde	ND		1.8	0.35	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
Endrin ketone	ND		1.8	0.28	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
gamma-BHC (Lindane)	ND		1.8	0.32	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
gamma-Chlordane	ND		1.8	0.36	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
Heptachlor	ND		1.8	0.40	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
Heptachlor epoxide	ND		1.8	0.35	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1

Client Sample Results

Client Sample ID: SSHS-B71-2.5-4.5 (3.5)
Lab Sample ID: 180-35858-20
Date Collected: 08/15/14 09:10
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 90.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		73	12	ug/Kg	☼	08/28/14 09:02	08/30/14 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*	*08/28/14 09:02*	*08/30/14 01:11*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/28/14 09:02*	*08/30/14 01:11*	*1*
Tetrachloro-m-xylene	*79*		*45 - 130*	*08/28/14 09:02*	*08/30/14 01:11*	*1*
Tetrachloro-m-xylene	*74*		*45 - 130*	*08/28/14 09:02*	*08/30/14 01:11*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/28/14 09:02	08/31/14 11:03	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/28/14 09:02	08/31/14 11:03	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/28/14 09:02	08/31/14 11:03	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/28/14 09:02	08/31/14 11:03	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/28/14 09:02	08/31/14 11:03	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/28/14 09:02	08/31/14 11:03	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/28/14 09:02	08/31/14 11:03	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/28/14 09:02	08/31/14 11:03	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/28/14 09:02	08/31/14 11:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 125*	*08/28/14 09:02*	*08/31/14 11:03*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 125*	*08/28/14 09:02*	*08/31/14 11:35*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*45 - 135*	*08/28/14 09:02*	*08/31/14 11:03*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*45 - 135*	*08/28/14 09:02*	*08/31/14 11:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9100**		21	2.2	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Antimony	ND		1.0	0.21	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Arsenic	**11**		1.0	0.32	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Barium	**55**		21	0.013	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Beryllium	**0.40**	**J**	0.41	0.012	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Cadmium	**0.034**	**J**	0.52	0.015	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Calcium	**2300**		520	1.6	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Chromium	**11**	**B**	0.52	0.080	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Cobalt	**7.1**		5.2	0.043	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Copper	**27**		2.6	0.15	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Iron	**19000**		10	0.92	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Lead	**16**		1.0	0.11	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Magnesium	**2100**		520	2.1	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Manganese	**590**		1.5	0.092	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Nickel	**17**		4.1	0.049	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Potassium	**1000**		520	6.6	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Selenium	**0.49**	**J**	1.0	0.28	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Silver	ND		0.52	0.042	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Sodium	**43**	**J**	520	1.1	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Thallium	ND		2.1	0.15	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Vanadium	**17**		5.2	0.18	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1
Zinc	**55**	**B**	2.1	0.11	mg/Kg	☼	08/26/14 08:58	08/28/14 16:44	1

Client Sample Results

Client Sample ID: SSHS-B71-2.5-4.5 (3.5)

Lab Sample ID: 180-35858-20

Date Collected: 08/15/14 09:10

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 90.5

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.012	mg/Kg	☼	08/28/14 10:30	08/28/14 14:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.5**		0.10	0.10	%			08/19/14 14:00	1
Percent Solids	**90**		0.10	0.10	%			08/19/14 14:00	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/28/14 09:30	08/28/14 12:02	1

Client Sample ID: SSHS-B71-6-9.5R (8)

Lab Sample ID: 180-35858-21

Date Collected: 08/15/14 09:25

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 96.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	4.7	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Benzene	ND		4.7	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Bromoform	ND		4.7	0.41	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Bromomethane	ND		4.7	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
2-Butanone (MEK)	ND		4.7	0.82	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Carbon disulfide	ND		4.7	0.48	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Carbon tetrachloride	ND	*	4.7	0.42	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Chlorobenzene	ND		4.7	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Chlorobromomethane	ND		4.7	0.64	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Chlorodibromomethane	ND		4.7	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Chloroethane	ND		4.7	1.4	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Chloroform	ND		4.7	0.55	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Chloromethane	ND		4.7	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
cis-1,2-Dichloroethene	ND		4.7	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
cis-1,3-Dichloropropene	ND		4.7	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Cyclohexane	ND		4.7	0.35	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
1,2-Dibromo-3-Chloropropane	ND		4.7	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
1,2-Dibromoethane	ND		4.7	0.80	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
1,2-Dichlorobenzene	ND		4.7	0.74	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
1,3-Dichlorobenzene	ND		4.7	0.61	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
1,4-Dichlorobenzene	ND		4.7	0.59	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Dichlorobromomethane	ND		4.7	0.52	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Dichlorodifluoromethane	ND		4.7	0.62	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
1,1-Dichloroethane	ND		4.7	0.54	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
1,2-Dichloroethane	ND		4.7	0.57	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
1,1-Dichloroethene	ND		4.7	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
1,2-Dichloropropane	ND		4.7	0.51	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
1,4-Dioxane	ND		930	260	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Ethylbenzene	ND		4.7	0.60	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
2-Hexanone	ND		4.7	0.64	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Isopropylbenzene	ND		4.7	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Methyl acetate	ND		4.7	0.84	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Methylcyclohexane	ND		4.7	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Methylene Chloride	ND		4.7	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	0.61	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Methyl tert-butyl ether	ND		4.7	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1

Client Sample ID: SSHS-B71-6-9.5R (8)
Lab Sample ID: 180-35858-21
Date Collected: 08/15/14 09:25
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 96.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		9.3	1.4	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
o-Xylene	ND		4.7	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Styrene	ND		4.7	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Tetrachloroethene	ND		4.7	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Toluene	ND		4.7	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
trans-1,2-Dichloroethene	ND	*	4.7	0.56	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
trans-1,3-Dichloropropene	ND		4.7	0.56	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
1,2,3-Trichlorobenzene	ND		4.7	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
1,2,4-Trichlorobenzene	ND		4.7	0.82	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
1,1,1-Trichloroethane	ND	*	4.7	0.45	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
1,1,2-Trichloroethane	ND		4.7	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Trichloroethene	ND		4.7	0.61	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Trichlorofluoromethane	ND		4.7	0.86	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.7	0.99	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1
Vinyl chloride	ND		4.7	0.44	ug/Kg	☼	08/25/14 04:25	08/25/14 12:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/25/14 04:25*	*08/25/14 12:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*63 - 120*	*08/25/14 04:25*	*08/25/14 12:06*	*1*
Dibromofluoromethane (Surr)	*115*		*68 - 121*	*08/25/14 04:25*	*08/25/14 12:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*52 - 124*	*08/25/14 04:25*	*08/25/14 12:06*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/25/14 04:25*	*08/25/14 12:06*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	6.7	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Acenaphthylene	ND		70	7.9	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Acetophenone	ND		340	28	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Anthracene	ND		70	6.8	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Atrazine	ND		340	34	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Benzaldehyde	ND		340	52	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Benzo[a]anthracene	ND		70	8.7	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Benzo[a]pyrene	ND		70	6.9	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Benzo[b]fluoranthene	ND		70	11	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Benzo[g,h,i]perylene	ND		70	6.9	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Benzo[k]fluoranthene	ND		70	14	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
1,1'-Biphenyl	ND		340	31	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Bis(2-chloroethoxy)methane	ND		340	23	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Bis(2-chloroethyl)ether	ND		70	9.3	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Bis(2-ethylhexyl) phthalate	ND		700	56	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
4-Bromophenyl phenyl ether	ND		340	30	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Butyl benzyl phthalate	ND		340	47	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Caprolactam	ND		1800	260	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Carbazole	ND		70	6.4	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
4-Chloroaniline	ND		340	28	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
4-Chloro-3-methylphenol	ND		340	32	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
2-Chloronaphthalene	ND		70	7.2	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1

Client Sample Results

Client Sample ID: SSHS-B71-6-9.5R (8)
Date Collected: 08/15/14 09:25
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-21
Matrix: Solid
Percent Solids: 96.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		340	28	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
4-Chlorophenyl phenyl ether	ND		340	39	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Chrysene	ND		70	8.3	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Dibenz(a,h)anthracene	ND		70	7.7	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Dibenzofuran	ND		340	34	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
3,3'-Dichlorobenzidine	ND		340	37	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
2,4-Dichlorophenol	ND		70	7.0	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Diethyl phthalate	ND		340	38	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
2,4-Dimethylphenol	ND		340	54	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Dimethyl phthalate	ND		340	38	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Di-n-butyl phthalate	ND		340	43	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
2,4-Dinitrophenol	ND		1800	410	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
2,4-Dinitrotoluene	ND		340	28	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
2,6-Dinitrotoluene	ND		340	36	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Di-n-octyl phthalate	ND		340	37	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
1,4-Dioxane	ND		700	40	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Fluoranthene	ND		70	7.4	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Fluorene	ND		70	9.1	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Hexachlorobenzene	ND		70	7.4	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Hexachlorobutadiene	ND		70	7.8	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Hexachlorocyclopentadiene	ND		340	37	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Hexachloroethane	ND		340	25	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Indeno[1,2,3-cd]pyrene	ND		70	7.1	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Isophorone	ND		340	26	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
2-Methylnaphthalene	ND		70	6.2	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
2-Methylphenol	ND		340	24	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Methylphenol, 3 & 4	ND		340	34	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Naphthalene	ND		70	6.0	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
3-Nitroaniline	ND		1800	140	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Nitrobenzene	ND		700	29	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
2-Nitrophenol	ND		340	38	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
N-Nitrosodi-n-propylamine	ND		70	8.1	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
N-Nitrosodiphenylamine	ND		340	32	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
2,2'-oxybis[1-chloropropane]	ND		70	7.5	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Pentachlorophenol	ND		340	31	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Phenanthrene	ND		70	11	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Phenol	ND		70	8.2	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
Pyrene	ND		70	7.0	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
1,2,4,5-Tetrachlorobenzene	ND		340	26	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
2,3,4,6-Tetrachlorophenol	ND		340	22	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
2,4,5-Trichlorophenol	ND		340	37	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1
2,4,6-Trichlorophenol	ND		340	52	ug/Kg	☼	08/28/14 16:17	08/29/14 18:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*220*	*T J*	*ug/Kg*	☼	*12.83*		*08/28/14 16:17*	*08/29/14 18:05*	*1*

Client Sample ID: SSHS-B71-6-9.5R (8)
Lab Sample ID: 180-35858-21
Date Collected: 08/15/14 09:25
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 96.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*35 - 105*	*08/28/14 16:17*	*08/29/14 18:05*	*1*
2-Fluorophenol (Surr)	*61*		*39 - 103*	*08/28/14 16:17*	*08/29/14 18:05*	*1*
Nitrobenzene-d5 (Surr)	*62*		*25 - 104*	*08/28/14 16:17*	*08/29/14 18:05*	*1*
Phenol-d5 (Surr)	*64*		*25 - 105*	*08/28/14 16:17*	*08/29/14 18:05*	*1*
Terphenyl-d14 (Surr)	*67*		*25 - 127*	*08/28/14 16:17*	*08/29/14 18:05*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*35 - 124*	*08/28/14 16:17*	*08/29/14 18:05*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.31	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
alpha-BHC	ND		1.8	0.28	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
alpha-Chlordane	ND		1.8	0.34	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
beta-BHC	ND		1.8	0.45	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
4,4'-DDE	ND		1.8	0.26	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
gamma-BHC (Lindane)	ND		1.8	0.30	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
gamma-Chlordane	ND		1.8	0.34	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
Methoxychlor	ND		3.4	0.36	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1
Toxaphene	ND		70	12	ug/Kg	☼	08/28/14 16:07	08/31/14 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 130*	*08/28/14 16:07*	*08/31/14 14:08*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 130*	*08/28/14 16:07*	*08/31/14 14:08*	*1*
Tetrachloro-m-xylene	*102*		*45 - 130*	*08/28/14 16:07*	*08/31/14 14:08*	*1*
Tetrachloro-m-xylene	*93*		*45 - 130*	*08/28/14 16:07*	*08/31/14 14:08*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.6	ug/Kg	☼	08/28/14 16:07	09/01/14 01:55	1
PCB-1221	ND		17	3.3	ug/Kg	☼	08/28/14 16:07	09/01/14 01:55	1
PCB-1232	ND		17	3.0	ug/Kg	☼	08/28/14 16:07	09/01/14 01:55	1
PCB-1242	ND		17	2.8	ug/Kg	☼	08/28/14 16:07	09/01/14 01:55	1
PCB-1248	ND		17	1.6	ug/Kg	☼	08/28/14 16:07	09/01/14 01:55	1
PCB-1254	ND		17	2.5	ug/Kg	☼	08/28/14 16:07	09/01/14 01:55	1
PCB-1260	ND		17	2.5	ug/Kg	☼	08/28/14 16:07	09/01/14 01:55	1
PCB-1262	ND		17	3.8	ug/Kg	☼	08/28/14 16:07	09/01/14 01:55	1
PCB-1268	ND		17	2.2	ug/Kg	☼	08/28/14 16:07	09/01/14 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*	*08/28/14 16:07*	*09/01/14 01:55*	*1*

Client Sample Results

Client Sample ID: SSHS-B71-6-9.5R (8)

Lab Sample ID: 180-35858-21

Date Collected: 08/15/14 09:25
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 96.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*	*08/28/14 16:07*	*09/01/14 02:26*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*45 - 135*	*08/28/14 16:07*	*09/01/14 01:55*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*45 - 135*	*08/28/14 16:07*	*09/01/14 02:26*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5300**		20	2.1	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Antimony	ND		1.0	0.20	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Arsenic	**12**		1.0	0.31	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Barium	**42**		20	0.013	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Beryllium	**0.21**	**J**	0.41	0.011	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Cadmium	**0.015**	**J**	0.51	0.015	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Calcium	**36000**		510	1.5	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Chromium	**8.0**	**B**	0.51	0.079	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Cobalt	**4.5**	**J**	5.1	0.043	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Copper	**16**		2.5	0.15	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Iron	**13000**		10	0.90	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Lead	**7.2**		1.0	0.10	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Magnesium	**11000**		510	2.1	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Manganese	**420**		1.5	0.091	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Nickel	**11**		4.1	0.048	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Potassium	**780**		510	6.5	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Selenium	**0.64**	**J**	1.0	0.27	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Silver	ND		0.51	0.041	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Sodium	**89**	**J**	510	1.1	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Vanadium	**9.6**		5.1	0.18	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1
Zinc	**43**	**B**	2.0	0.11	mg/Kg	☼	08/26/14 08:58	08/28/14 16:50	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.011	mg/Kg	☼	08/28/14 10:30	08/28/14 14:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**3.7**		0.10	0.10	%			08/19/14 14:00	1
Percent Solids	**96**		0.10	0.10	%			08/19/14 14:00	1
Cyanide, Total	ND		0.52	0.15	mg/Kg	☼	08/28/14 09:30	08/28/14 12:02	1

Client Sample ID: SSHS-B42-A-SS

Lab Sample ID: 180-35858-22

Date Collected: 08/15/14 10:00
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 82.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		23	5.8	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Benzene	ND		5.8	0.78	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Bromoform	ND		5.8	0.51	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Bromomethane	ND		5.8	0.85	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
2-Butanone (MEK)	ND		5.8	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1

Client Sample ID: SSHS-B42-A-SS **Lab Sample ID: 180-35858-22**
Date Collected: 08/15/14 10:00 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 82.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.8	0.59	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Carbon tetrachloride	ND	*	5.8	0.51	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Chlorobenzene	ND		5.8	0.87	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Chlorobromomethane	ND		5.8	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Chlorodibromomethane	ND		5.8	0.82	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Chloroethane	ND		5.8	1.8	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Chloroform	ND		5.8	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Chloromethane	ND		5.8	0.98	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
cis-1,2-Dichloroethene	ND		5.8	0.81	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
cis-1,3-Dichloropropene	ND		5.8	0.78	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Cyclohexane	ND		5.8	0.43	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
1,2-Dibromo-3-Chloropropane	ND		5.8	0.86	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
1,2-Dibromoethane	ND		5.8	0.99	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
1,2-Dichlorobenzene	ND		5.8	0.92	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
1,3-Dichlorobenzene	ND		5.8	0.75	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
1,4-Dichlorobenzene	ND		5.8	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Dichlorobromomethane	ND		5.8	0.65	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Dichlorodifluoromethane	ND		5.8	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
1,1-Dichloroethane	ND		5.8	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
1,2-Dichloroethane	ND		5.8	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
1,1-Dichloroethene	ND		5.8	0.98	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
1,2-Dichloropropane	ND		5.8	0.62	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
1,4-Dioxane	ND		1200	320	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Ethylbenzene	ND		5.8	0.74	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
2-Hexanone	ND		5.8	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Isopropylbenzene	ND		5.8	0.78	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Methyl acetate	ND		5.8	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Methylcyclohexane	ND		5.8	0.83	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Methylene Chloride	ND		5.8	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.8	0.75	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Methyl tert-butyl ether	ND		5.8	0.86	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
m-Xylene & p-Xylene	ND		12	1.7	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
o-Xylene	ND		5.8	0.90	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Styrene	ND		5.8	0.81	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
1,1,2,2-Tetrachloroethane	ND		5.8	0.83	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Tetrachloroethene	ND		5.8	0.78	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Toluene	ND		5.8	0.84	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
trans-1,2-Dichloroethene	ND	*	5.8	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
trans-1,3-Dichloropropene	ND		5.8	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
1,2,3-Trichlorobenzene	ND		5.8	0.97	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
1,2,4-Trichlorobenzene	ND		5.8	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
1,1,1-Trichloroethane	ND	*	5.8	0.56	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
1,1,2-Trichloroethane	ND		5.8	0.96	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Trichloroethene	ND		5.8	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Trichlorofluoromethane	ND		5.8	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.8	1.2	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1
Vinyl chloride	ND		5.8	0.54	ug/Kg	☼	08/25/14 04:25	08/25/14 12:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/25/14 04:25*	*08/25/14 12:28*	*1*

Client Sample ID: SSHS-B42-A-SS

Lab Sample ID: 180-35858-22

Date Collected: 08/15/14 10:00
Date Received: 08/16/14 09:00
Matrix: Solid
Percent Solids: 82.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/25/14 04:25*	*08/25/14 12:28*	*1*
Dibromofluoromethane (Surr)	*109*		*68 - 121*	*08/25/14 04:25*	*08/25/14 12:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*52 - 124*	*08/25/14 04:25*	*08/25/14 12:28*	*1*
Toluene-d8 (Surr)	*109*		*72 - 127*	*08/25/14 04:25*	*08/25/14 12:28*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		81	7.7	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Acenaphthylene	**180**		81	9.2	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Acetophenone	ND		400	33	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Anthracene	**92**		81	7.9	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Atrazine	ND		400	39	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Benzaldehyde	ND		400	60	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Benzo[a]anthracene	**370**		81	10	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Benzo[a]pyrene	**410**		81	8.1	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Benzo[b]fluoranthene	**560**		81	13	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Benzo[g,h,i]perylene	**430**		81	8.0	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Benzo[k]fluoranthene	**280**		81	16	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
1,1'-Biphenyl	ND		400	36	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Bis(2-chloroethoxy)methane	ND		400	27	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Bis(2-chloroethyl)ether	ND		81	11	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Bis(2-ethylhexyl) phthalate	ND		810	65	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
4-Bromophenyl phenyl ether	ND		400	35	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Butyl benzyl phthalate	ND		400	55	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Caprolactam	ND		2100	300	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Carbazole	**18**	**J**	81	7.4	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
4-Chloroaniline	ND		400	32	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
4-Chloro-3-methylphenol	ND		400	37	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
2-Chloronaphthalene	ND		81	8.4	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
2-Chlorophenol	ND		400	33	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
4-Chlorophenyl phenyl ether	ND		400	45	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Chrysene	**480**		81	9.6	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Dibenz(a,h)anthracene	**95**		81	9.0	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Dibenzofuran	ND		400	40	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
3,3'-Dichlorobenzidine	ND		400	43	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
2,4-Dichlorophenol	ND		81	8.1	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Diethyl phthalate	ND		400	44	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
2,4-Dimethylphenol	ND		400	63	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Dimethyl phthalate	ND		400	44	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Di-n-butyl phthalate	ND		400	50	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
4,6-Dinitro-2-methylphenol	ND		2100	160	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
2,4-Dinitrophenol	ND		2100	480	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
2,4-Dinitrotoluene	ND		400	33	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
2,6-Dinitrotoluene	ND		400	42	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Di-n-octyl phthalate	ND		400	42	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
1,4-Dioxane	ND		810	46	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Fluoranthene	**500**		81	8.6	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Fluorene	**11**	**J**	81	11	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Hexachlorobenzene	ND		81	8.6	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Hexachlorobutadiene	ND		81	9.0	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1

Client Sample Results

Client Sample ID: SSHS-B42-A-SS

Lab Sample ID: 180-35858-22

Date Collected: 08/15/14 10:00
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 82.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		400	43	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Hexachloroethane	ND		400	29	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Indeno[1,2,3-cd]pyrene	**340**		81	8.3	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Isophorone	ND		400	30	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
2-Methylnaphthalene	**91**		81	7.2	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
2-Methylphenol	ND		400	28	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Methylphenol, 3 & 4	ND		400	39	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Naphthalene	**130**		81	6.9	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
2-Nitroaniline	ND		2100	180	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
3-Nitroaniline	ND		2100	170	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
4-Nitroaniline	ND		2100	160	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Nitrobenzene	ND		810	34	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
2-Nitrophenol	ND		400	44	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
4-Nitrophenol	ND		2100	150	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
N-Nitrosodi-n-propylamine	ND		81	9.5	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
N-Nitrosodiphenylamine	ND		400	37	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
2,2'-oxybis[1-chloropropane]	ND		81	8.7	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Pentachlorophenol	ND		400	36	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Phenanthrene	**140**		81	13	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Phenol	ND		81	9.5	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
Pyrene	**560**		81	8.1	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
1,2,4,5-Tetrachlorobenzene	ND		400	31	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
2,3,4,6-Tetrachlorophenol	ND		400	26	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
2,4,5-Trichlorophenol	ND		400	43	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1
2,4,6-Trichlorophenol	ND		400	60	ug/Kg	☼	08/28/14 16:17	08/29/14 18:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown PAH	*170*	*T J*	*ug/Kg*	☼	*14.63*		*08/28/14 16:17*	*08/29/14 18:33*	*1*
Unknown	*2300*	*T J*	*ug/Kg*	☼	*15.82*		*08/28/14 16:17*	*08/29/14 18:33*	*1*
Unknown	*2000*	*T J*	*ug/Kg*	☼	*16.27*		*08/28/14 16:17*	*08/29/14 18:33*	*1*
Unknown	*480*	*T J*	*ug/Kg*	☼	*16.54*		*08/28/14 16:17*	*08/29/14 18:33*	*1*
Unknown	*550*	*T J*	*ug/Kg*	☼	*17.29*		*08/28/14 16:17*	*08/29/14 18:33*	*1*
Unknown	*500*	*T J*	*ug/Kg*	☼	*17.68*		*08/28/14 16:17*	*08/29/14 18:33*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*17.75*		*08/28/14 16:17*	*08/29/14 18:33*	*1*
Unknown	*450*	*T J*	*ug/Kg*	☼	*18.78*		*08/28/14 16:17*	*08/29/14 18:33*	*1*
Unknown	*330*	*T J*	*ug/Kg*	☼	*19.17*		*08/28/14 16:17*	*08/29/14 18:33*	*1*
Unknown	*360*	*T J*	*ug/Kg*	☼	*19.27*		*08/28/14 16:17*	*08/29/14 18:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*35 - 105*	*08/28/14 16:17*	*08/29/14 18:33*	*1*
2-Fluorophenol (Surr)	*59*		*39 - 103*	*08/28/14 16:17*	*08/29/14 18:33*	*1*
Nitrobenzene-d5 (Surr)	*65*		*25 - 104*	*08/28/14 16:17*	*08/29/14 18:33*	*1*
Phenol-d5 (Surr)	*66*		*25 - 105*	*08/28/14 16:17*	*08/29/14 18:33*	*1*
Terphenyl-d14 (Surr)	*67*		*25 - 127*	*08/28/14 16:17*	*08/29/14 18:33*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*35 - 124*	*08/28/14 16:17*	*08/29/14 18:33*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.1	0.36	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
alpha-BHC	**0.35**	**J p**	2.1	0.33	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1

Client Sample Results

Client Sample ID: SSHS-B42-A-SS

Lab Sample ID: 180-35858-22

Date Collected: 08/15/14 10:00
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 82.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-Chlordane	ND		2.1	0.40	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
beta-BHC	ND		2.1	0.52	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
4,4'-DDD	**0.76**	**J**	2.1	0.26	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
4,4'-DDE	ND		2.1	0.30	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
4,4'-DDT	**1.2**	**J**	2.1	0.30	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
delta-BHC	ND		2.1	0.31	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
Dieldrin	ND		2.1	0.34	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
Endosulfan I	ND		2.1	0.38	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
Endosulfan II	ND		2.1	0.36	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
Endosulfan sulfate	ND		2.1	0.21	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
Endrin	**0.52**	**J**	2.1	0.39	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
Endrin aldehyde	ND		2.1	0.39	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
Endrin ketone	ND		2.1	0.31	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
gamma-BHC (Lindane)	ND		2.1	0.35	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
gamma-Chlordane	ND		2.1	0.40	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
Heptachlor	ND		2.1	0.45	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
Heptachlor epoxide	ND		2.1	0.39	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
Methoxychlor	ND		4.0	0.42	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1
Toxaphene	ND		81	13	ug/Kg	☼	08/28/14 16:07	08/31/14 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*	*08/28/14 16:07*	*08/31/14 14:23*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/28/14 16:07*	*08/31/14 14:23*	*1*
Tetrachloro-m-xylene	*74*		*45 - 130*	*08/28/14 16:07*	*08/31/14 14:23*	*1*
Tetrachloro-m-xylene	*67*		*45 - 130*	*08/28/14 16:07*	*08/31/14 14:23*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	3.0	ug/Kg	☼	08/28/14 16:07	09/01/14 02:26	1
PCB-1221	ND		20	3.8	ug/Kg	☼	08/28/14 16:07	09/01/14 02:26	1
PCB-1232	ND		20	3.4	ug/Kg	☼	08/28/14 16:07	09/01/14 02:26	1
PCB-1242	ND		20	3.3	ug/Kg	☼	08/28/14 16:07	09/01/14 02:26	1
PCB-1248	ND		20	1.9	ug/Kg	☼	08/28/14 16:07	09/01/14 02:26	1
PCB-1254	ND		20	2.9	ug/Kg	☼	08/28/14 16:07	09/01/14 02:26	1
PCB-1260	ND		20	2.9	ug/Kg	☼	08/28/14 16:07	09/01/14 02:26	1
PCB-1262	ND		20	4.4	ug/Kg	☼	08/28/14 16:07	09/01/14 02:26	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/28/14 16:07	09/01/14 02:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 125*	*08/28/14 16:07*	*09/01/14 02:26*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/28/14 16:07*	*09/01/14 02:58*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*45 - 135*	*08/28/14 16:07*	*09/01/14 02:26*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*45 - 135*	*08/28/14 16:07*	*09/01/14 02:58*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9400**		24	2.5	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Antimony	ND		1.2	0.24	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Arsenic	**7.3**		1.2	0.37	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Barium	**110**		24	0.016	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B42-A-SS

Lab Sample ID: 180-35858-22
Date Collected: 08/15/14 10:00
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 82.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.49**		0.49	0.014	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Cadmium	**0.14**	**J**	0.61	0.017	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Calcium	**1700**		610	1.8	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Chromium	**15**	**B**	0.61	0.094	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Cobalt	**7.6**		6.1	0.051	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Copper	**19**		3.1	0.18	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Iron	**18000**		12	1.1	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Lead	**20**		1.2	0.12	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Magnesium	**2400**		610	2.5	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Manganese	**400**		1.8	0.11	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Nickel	**18**		4.9	0.058	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Potassium	**1000**		610	7.8	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Selenium	ND		1.2	0.33	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Silver	ND		0.61	0.049	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Sodium	**43**	**J**	610	1.3	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Thallium	ND		2.4	0.18	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Vanadium	**15**		6.1	0.21	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1
Zinc	**58**	**B**	2.4	0.13	mg/Kg	☼	08/26/14 08:58	08/28/14 16:55	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**	**J**	0.039	0.013	mg/Kg	☼	08/28/14 10:30	08/28/14 14:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		0.10	0.10	%			08/19/14 14:00	1
Percent Solids	**83**		0.10	0.10	%			08/19/14 14:00	1
Cyanide, Total	**0.20**	**J**	0.63	0.18	mg/Kg	☼	08/28/14 09:30	08/28/14 12:02	1

Client Sample ID: SSHS-B42-A-0.17-2 (1)

Lab Sample ID: 180-35858-23
Date Collected: 08/15/14 10:08
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 86.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**19**	**J**	24	5.9	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Benzene	ND		5.9	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Bromoform	ND		5.9	0.52	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Bromomethane	ND		5.9	0.87	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
2-Butanone (MEK)	ND		5.9	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Carbon disulfide	ND		5.9	0.60	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Carbon tetrachloride	ND	*	5.9	0.53	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Chlorobenzene	ND		5.9	0.89	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Chlorobromomethane	ND		5.9	0.81	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Chlorodibromomethane	ND		5.9	0.84	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Chloroethane	ND		5.9	1.8	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Chloroform	ND		5.9	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Chloromethane	ND		5.9	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
cis-1,2-Dichloroethene	ND		5.9	0.83	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
cis-1,3-Dichloropropene	ND		5.9	0.80	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1

Client Sample ID: SSHS-B42-A-0.17-2 (1)
Date Collected: 08/15/14 10:08
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-23
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.9	0.44	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
1,2-Dibromo-3-Chloropropane	ND		5.9	0.88	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
1,2-Dibromoethane	ND		5.9	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
1,2-Dichlorobenzene	ND		5.9	0.94	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
1,3-Dichlorobenzene	ND		5.9	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
1,4-Dichlorobenzene	ND		5.9	0.75	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Dichlorobromomethane	ND		5.9	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Dichlorodifluoromethane	ND		5.9	0.78	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
1,1-Dichloroethane	ND		5.9	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
1,2-Dichloroethane	ND		5.9	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
1,1-Dichloroethene	ND		5.9	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
1,2-Dichloropropane	ND		5.9	0.64	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
1,4-Dioxane	ND		1200	330	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Ethylbenzene	ND		5.9	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
2-Hexanone	ND		5.9	0.81	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Isopropylbenzene	ND		5.9	0.80	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Methyl acetate	ND		5.9	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Methylcyclohexane	ND		5.9	0.85	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Methylene Chloride	ND		5.9	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.9	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Methyl tert-butyl ether	ND		5.9	0.88	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
m-Xylene & p-Xylene	ND		12	1.7	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
o-Xylene	ND		5.9	0.92	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Styrene	ND		5.9	0.83	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
1,1,2,2-Tetrachloroethane	ND		5.9	0.85	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Tetrachloroethene	ND		5.9	0.80	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Toluene	ND		5.9	0.86	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
trans-1,2-Dichloroethene	ND	*	5.9	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
trans-1,3-Dichloropropene	ND		5.9	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
1,2,3-Trichlorobenzene	ND		5.9	0.99	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
1,2,4-Trichlorobenzene	ND		5.9	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
1,1,1-Trichloroethane	ND	*	5.9	0.57	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
1,1,2-Trichloroethane	ND		5.9	0.98	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Trichloroethene	ND		5.9	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Trichlorofluoromethane	ND		5.9	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.9	1.3	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1
Vinyl chloride	ND		5.9	0.55	ug/Kg	☼	08/25/14 04:25	08/25/14 12:50	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/25/14 04:25*	*08/25/14 12:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*63 - 120*	*08/25/14 04:25*	*08/25/14 12:50*	*1*
Dibromofluoromethane (Surr)	*110*		*68 - 121*	*08/25/14 04:25*	*08/25/14 12:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*52 - 124*	*08/25/14 04:25*	*08/25/14 12:50*	*1*
Toluene-d8 (Surr)	*106*		*72 - 127*	*08/25/14 04:25*	*08/25/14 12:50*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**57**	**J**	78	7.4	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B42-A-0.17-2 (1)
Date Collected: 08/15/14 10:08
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-23
Matrix: Solid
Percent Solids: 86.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**1900**		78	8.8	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Acetophenone	**35**	**J**	380	32	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Anthracene	**1000**		78	7.6	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Atrazine	ND		380	38	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Benzaldehyde	ND		380	58	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Benzo[a]anthracene	**3400**		78	9.7	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Benzo[a]pyrene	**3400**		78	7.7	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Benzo[b]fluoranthene	**5000**		78	12	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Benzo[g,h,i]perylene	**4000**		78	7.7	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Benzo[k]fluoranthene	**1700**		78	16	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
1,1'-Biphenyl	**110**	**J**	380	34	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Bis(2-chloroethoxy)methane	ND		380	25	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Bis(2-chloroethyl)ether	ND		78	10	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Bis(2-ethylhexyl) phthalate	ND		780	62	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
4-Bromophenyl phenyl ether	ND		380	34	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Butyl benzyl phthalate	ND		380	53	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Caprolactam	ND		2000	290	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Carbazole	**220**		78	7.1	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
4-Chloroaniline	ND		380	31	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
4-Chloro-3-methylphenol	ND		380	36	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
2-Chloronaphthalene	ND		78	8.1	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
2-Chlorophenol	ND		380	32	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
4-Chlorophenyl phenyl ether	ND		380	43	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Chrysene	**4200**		78	9.2	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Dibenz(a,h)anthracene	**970**		78	8.6	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Dibenzofuran	**140**	**J**	380	38	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
3,3'-Dichlorobenzidine	ND		380	41	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
2,4-Dichlorophenol	ND		78	7.8	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Diethyl phthalate	ND		380	42	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
2,4-Dimethylphenol	ND		380	60	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Dimethyl phthalate	ND		380	42	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Di-n-butyl phthalate	ND		380	48	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
2,4-Dinitrophenol	ND		2000	460	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
2,6-Dinitrotoluene	ND		380	40	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Di-n-octyl phthalate	ND		380	41	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
1,4-Dioxane	ND		780	44	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Fluoranthene	**5100**		78	8.3	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Fluorene	**170**		78	10	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Hexachlorobenzene	ND		78	8.2	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Hexachlorobutadiene	ND		78	8.6	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Hexachlorocyclopentadiene	ND		380	42	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Hexachloroethane	ND		380	28	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Indeno[1,2,3-cd]pyrene	**3200**		78	8.0	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Isophorone	ND		380	29	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
2-Methylnaphthalene	**710**		78	6.9	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Methylphenol, 3 & 4	ND		380	38	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1

Client Sample ID: SSHS-B42-A-0.17-2 (1)

Lab Sample ID: 180-35858-23

Date Collected: 08/15/14 10:08

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 86.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**1400**		78	6.7	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
2-Nitroaniline	ND		2000	170	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Nitrobenzene	ND		780	32	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
2-Nitrophenol	ND		380	43	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
4-Nitrophenol	ND		2000	140	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
N-Nitrosodi-n-propylamine	ND		78	9.1	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
N-Nitrosodiphenylamine	ND		380	36	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
2,2'-oxybis[1-chloropropane]	ND		78	8.3	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Pentachlorophenol	ND		380	35	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Phenanthrene	**1400**		78	12	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Phenol	ND		78	9.1	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
Pyrene	**4900**		78	7.8	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
2,3,4,6-Tetrachlorophenol	ND		380	25	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
2,4,5-Trichlorophenol	ND		380	41	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1
2,4,6-Trichlorophenol	ND		380	58	ug/Kg	☼	08/28/14 16:17	08/29/14 19:02	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*700*	*T J*	*ug/Kg*	☼	*10.93*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*870*	*T J*	*ug/Kg*	☼	*11.02*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*940*	*T J*	*ug/Kg*	☼	*11.04*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*990*	*T J*	*ug/Kg*	☼	*11.50*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*11.61*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*11.82*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*750*	*T J*	*ug/Kg*	☼	*11.91*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown PAH	*280*	*T J*	*ug/Kg*	☼	*12.28*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*470*	*T J*	*ug/Kg*	☼	*12.43*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown PAH	*300*	*T J*	*ug/Kg*	☼	*12.60*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown PAH	*260*	*T J*	*ug/Kg*	☼	*12.74*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*12.78*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*13.05*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*13.22*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*330*	*T J*	*ug/Kg*	☼	*13.43*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*13.52*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*13.58*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*420*	*T J*	*ug/Kg*	☼	*14.63*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*14.71*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*14.84*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*14.90*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*16.19*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*3300*	*T J*	*ug/Kg*	☼	*16.55*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown PAH	*660*	*T J*	*ug/Kg*	☼	*16.83*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*1800*	*T J*	*ug/Kg*	☼	*18.74*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown	*870*	*T J*	*ug/Kg*	☼	*19.20*		*08/28/14 16:17*	*08/29/14 19:02*	*1*
Unknown PAH	*1100*	*T J*	*ug/Kg*	☼	*19.28*		*08/28/14 16:17*	*08/29/14 19:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*35 - 105*	*08/28/14 16:17*	*08/29/14 19:02*	*1*

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

Client Sample ID: SSHS-B42-A-0.17-2 (1) **Lab Sample ID: 180-35858-23**

Date Collected: 08/15/14 10:08 **Matrix: Solid**

Date Received: 08/16/14 09:00 **Percent Solids: 86.3**

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*57*		*39 - 103*	*08/28/14 16:17*	*08/29/14 19:02*	*1*
Nitrobenzene-d5 (Surr)	*59*		*25 - 104*	*08/28/14 16:17*	*08/29/14 19:02*	*1*
Phenol-d5 (Surr)	*61*		*25 - 105*	*08/28/14 16:17*	*08/29/14 19:02*	*1*
Terphenyl-d14 (Surr)	*60*		*25 - 127*	*08/28/14 16:17*	*08/29/14 19:02*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*35 - 124*	*08/28/14 16:17*	*08/29/14 19:02*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.35	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
alpha-BHC	ND		2.0	0.31	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
alpha-Chlordane	ND		2.0	0.38	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
beta-BHC	ND		2.0	0.50	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
4,4'-DDD	**7.1**		2.0	0.25	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
4,4'-DDE	ND		2.0	0.29	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
4,4'-DDT	**7.0**		2.0	0.29	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
delta-BHC	**0.51**	**J p**	2.0	0.30	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
Dieldrin	ND		2.0	0.32	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
Endosulfan I	ND		2.0	0.36	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
Endosulfan II	**0.50**	**J p**	2.0	0.34	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
Endosulfan sulfate	ND		2.0	0.20	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
Endrin	**3.0**		2.0	0.37	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
Endrin aldehyde	**1.9**	**J**	2.0	0.37	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
Endrin ketone	ND		2.0	0.30	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
gamma-BHC (Lindane)	ND		2.0	0.34	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
gamma-Chlordane	**0.43**	**J p**	2.0	0.38	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
Heptachlor	ND		2.0	0.43	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
Heptachlor epoxide	ND		2.0	0.38	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
Methoxychlor	ND		3.8	0.40	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1
Toxaphene	ND		78	13	ug/Kg	☼	08/28/14 16:07	08/31/14 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/28/14 16:07*	*08/31/14 14:39*	*1*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 130*	*08/28/14 16:07*	*08/31/14 14:39*	*1*
Tetrachloro-m-xylene	*78*		*45 - 130*	*08/28/14 16:07*	*08/31/14 14:39*	*1*
Tetrachloro-m-xylene	*73*		*45 - 130*	*08/28/14 16:07*	*08/31/14 14:39*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.9	ug/Kg	☼	08/28/14 16:07	09/01/14 02:58	1
PCB-1221	ND		19	3.7	ug/Kg	☼	08/28/14 16:07	09/01/14 02:58	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/28/14 16:07	09/01/14 02:58	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/28/14 16:07	09/01/14 02:58	1
PCB-1248	**55**		19	1.8	ug/Kg	☼	08/28/14 16:07	09/01/14 03:29	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/28/14 16:07	09/01/14 02:58	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/28/14 16:07	09/01/14 02:58	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/28/14 16:07	09/01/14 02:58	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/28/14 16:07	09/01/14 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*45 - 125*	*08/28/14 16:07*	*09/01/14 02:58*	*1*

Client Sample Results

Client Sample ID: SSHS-B42-A-0.17-2 (1)

Lab Sample ID: 180-35858-23

Date Collected: 08/15/14 10:08
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 86.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*63*		*45 - 125*	*08/28/14 16:07*	*09/01/14 03:29*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*	*08/28/14 16:07*	*09/01/14 02:58*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*45 - 135*	*08/28/14 16:07*	*09/01/14 03:29*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8000**		22	2.3	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Arsenic	**9.3**		1.1	0.33	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Barium	**150**		22	0.014	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Beryllium	**0.46**		0.43	0.012	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Cadmium	**0.15**	**J**	0.54	0.015	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Calcium	**3200**		540	1.6	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Chromium	**13**	**B**	0.54	0.084	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Cobalt	**7.1**		5.4	0.045	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Copper	**43**		2.7	0.16	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Iron	**18000**		11	0.96	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Lead	**36**		1.1	0.11	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Magnesium	**1900**		540	2.2	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Manganese	**320**		1.6	0.096	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Nickel	**20**		4.3	0.051	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Potassium	**900**		540	6.9	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Selenium	**0.46**	**J**	1.1	0.29	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Silver	ND		0.54	0.044	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Sodium	**73**	**J**	540	1.1	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Thallium	ND		2.2	0.16	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Vanadium	**15**		5.4	0.19	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1
Zinc	**58**	**B**	2.2	0.11	mg/Kg	☼	08/26/14 08:58	08/28/14 17:00	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.067**		0.038	0.012	mg/Kg	☼	08/28/14 10:30	08/28/14 14:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14**		0.10	0.10	%			08/19/14 14:00	1
Percent Solids	**86**		0.10	0.10	%			08/19/14 14:00	1
Cyanide, Total	**1.2**		0.60	0.18	mg/Kg	☼	08/28/14 09:30	08/28/14 12:02	1

Client Sample ID: SSHS-B42-A-3-5 (4)

Lab Sample ID: 180-35858-24

Date Collected: 08/15/14 10:15
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 85.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**9.2**	**J**	30	7.5	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Benzene	ND		7.5	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Bromoform	ND		7.5	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Bromomethane	ND		7.5	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
2-Butanone (MEK)	ND		7.5	1.3	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1

Client Sample ID: SSHS-B42-A-3-5 (4)
Date Collected: 08/15/14 10:15
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-24
Matrix: Solid
Percent Solids: 85.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		7.5	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Carbon tetrachloride	ND	*	7.5	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Chlorobenzene	ND		7.5	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Chlorobromomethane	ND		7.5	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Chlorodibromomethane	ND		7.5	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Chloroethane	ND		7.5	2.3	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Chloroform	ND		7.5	0.88	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Chloromethane	ND		7.5	1.3	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
cis-1,2-Dichloroethene	ND		7.5	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
cis-1,3-Dichloropropene	ND		7.5	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Cyclohexane	ND		7.5	0.56	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
1,2-Dibromo-3-Chloropropane	ND		7.5	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
1,2-Dibromoethane	ND		7.5	1.3	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
1,2-Dichlorobenzene	ND		7.5	1.2	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
1,3-Dichlorobenzene	ND		7.5	0.98	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
1,4-Dichlorobenzene	ND		7.5	0.95	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Dichlorobromomethane	ND		7.5	0.84	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Dichlorodifluoromethane	ND		7.5	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
1,1-Dichloroethane	ND		7.5	0.86	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
1,2-Dichloroethane	ND		7.5	0.92	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
1,1-Dichloroethene	ND		7.5	1.3	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
1,2-Dichloropropane	ND		7.5	0.81	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
1,4-Dioxane	ND		1500	410	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Ethylbenzene	ND		7.5	0.96	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
2-Hexanone	ND		7.5	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Isopropylbenzene	ND		7.5	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Methyl acetate	ND		7.5	1.3	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Methylcyclohexane	ND		7.5	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Methylene Chloride	ND		7.5	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
4-Methyl-2-pentanone (MIBK)	ND		7.5	0.98	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Methyl tert-butyl ether	ND		7.5	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
m-Xylene & p-Xylene	ND		15	2.2	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
o-Xylene	ND		7.5	1.2	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Styrene	ND		7.5	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
1,1,2,2-Tetrachloroethane	ND		7.5	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Tetrachloroethene	ND		7.5	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Toluene	ND		7.5	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
trans-1,2-Dichloroethene	ND	*	7.5	0.89	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
trans-1,3-Dichloropropene	ND		7.5	0.89	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
1,2,3-Trichlorobenzene	ND		7.5	1.3	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
1,2,4-Trichlorobenzene	ND		7.5	1.3	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
1,1,1-Trichloroethane	ND	*	7.5	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
1,1,2-Trichloroethane	ND		7.5	1.2	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Trichloroethene	ND		7.5	0.98	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Trichlorofluoromethane	ND		7.5	1.4	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	7.5	1.6	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1
Vinyl chloride	ND		7.5	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 13:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/25/14 04:25*	*08/25/14 13:12*	*1*

Client Sample Results

Client Sample ID: SSHS-B42-A-3-5 (4)

Lab Sample ID: 180-35858-24

Date Collected: 08/15/14 10:15
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 85.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*63 - 120*	*08/25/14 04:25*	*08/25/14 13:12*	*1*
Dibromofluoromethane (Surr)	*106*		*68 - 121*	*08/25/14 04:25*	*08/25/14 13:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*52 - 124*	*08/25/14 04:25*	*08/25/14 13:12*	*1*
Toluene-d8 (Surr)	*99*		*72 - 127*	*08/25/14 04:25*	*08/25/14 13:12*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	7.5	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Acenaphthylene	**78**		78	8.9	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Acetophenone	ND		380	32	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Anthracene	**120**		78	7.6	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Atrazine	ND		380	38	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Benzaldehyde	ND		380	58	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Benzo[a]anthracene	**530**		78	9.7	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Benzo[a]pyrene	**470**		78	7.8	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Benzo[b]fluoranthene	**510**		78	12	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Benzo[g,h,i]perylene	**370**		78	7.7	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Benzo[k]fluoranthene	**280**		78	16	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
1,1'-Biphenyl	ND		380	35	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Bis(2-chloroethoxy)methane	ND		380	26	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Bis(2-chloroethyl)ether	ND		78	10	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Bis(2-ethylhexyl) phthalate	ND		780	63	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
4-Bromophenyl phenyl ether	ND		380	34	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Butyl benzyl phthalate	ND		380	53	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Caprolactam	ND		2000	290	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Carbazole	**38**	**J**	78	7.2	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
4-Chloroaniline	ND		380	31	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
4-Chloro-3-methylphenol	ND		380	36	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
2-Chloronaphthalene	ND		78	8.1	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
2-Chlorophenol	ND		380	32	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
4-Chlorophenyl phenyl ether	ND		380	43	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Chrysene	**550**		78	9.2	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Dibenz(a,h)anthracene	**95**		78	8.6	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Dibenzofuran	ND		380	38	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
3,3'-Dichlorobenzidine	ND		380	41	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
2,4-Dichlorophenol	ND		78	7.8	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Diethyl phthalate	ND		380	42	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
2,4-Dimethylphenol	ND		380	61	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Dimethyl phthalate	ND		380	42	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Di-n-butyl phthalate	ND		380	49	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
2,4-Dinitrophenol	ND		2000	460	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
2,6-Dinitrotoluene	ND		380	40	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Di-n-octyl phthalate	ND		380	41	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
1,4-Dioxane	ND		780	45	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Fluoranthene	**980**		78	8.3	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Fluorene	**21**	**J**	78	10	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Hexachlorobenzene	ND		78	8.3	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Hexachlorobutadiene	ND		78	8.7	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1

Client Sample ID: SSHS-B42-A-3-5 (4)
Lab Sample ID: 180-35858-24
Date Collected: 08/15/14 10:15
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 85.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		380	42	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Hexachloroethane	ND		380	28	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Indeno[1,2,3-cd]pyrene	**320**		78	8.0	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Isophorone	ND		380	29	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
2-Methylnaphthalene	**13**	**J**	78	7.0	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Methylphenol, 3 & 4	ND		380	38	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Naphthalene	**41**	**J**	78	6.7	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
2-Nitroaniline	ND		2000	170	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Nitrobenzene	ND		780	32	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
2-Nitrophenol	ND		380	43	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
4-Nitrophenol	ND		2000	140	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
N-Nitrosodi-n-propylamine	ND		78	9.1	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
N-Nitrosodiphenylamine	ND		380	36	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
2,2'-oxybis[1-chloropropane]	ND		78	8.4	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Pentachlorophenol	ND		380	35	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Phenanthrene	**500**		78	12	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Phenol	ND		78	9.2	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
Pyrene	**800**		78	7.8	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
2,3,4,6-Tetrachlorophenol	ND		380	25	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
2,4,5-Trichlorophenol	ND		380	41	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1
2,4,6-Trichlorophenol	ND		380	58	ug/Kg	☼	08/28/14 16:17	08/29/14 19:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*230*	*T J*	*ug/Kg*	☼	*10.63*		*08/28/14 16:17*	*08/29/14 19:30*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*10.93*		*08/28/14 16:17*	*08/29/14 19:30*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*11.04*		*08/28/14 16:17*	*08/29/14 19:30*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*12.43*		*08/28/14 16:17*	*08/29/14 19:30*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*12.82*		*08/28/14 16:17*	*08/29/14 19:30*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*13.55*		*08/28/14 16:17*	*08/29/14 19:30*	*1*
Unknown	*160*	*T J*	*ug/Kg*	☼	*14.84*		*08/28/14 16:17*	*08/29/14 19:30*	*1*
Unknown PAH	*200*	*T J*	*ug/Kg*	☼	*15.52*		*08/28/14 16:17*	*08/29/14 19:30*	*1*
Unknown PAH	*370*	*T J*	*ug/Kg*	☼	*15.89*		*08/28/14 16:17*	*08/29/14 19:30*	*1*
Unknown	*400*	*T J*	*ug/Kg*	☼	*16.53*		*08/28/14 16:17*	*08/29/14 19:30*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*17.06*		*08/28/14 16:17*	*08/29/14 19:30*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*17.28*		*08/28/14 16:17*	*08/29/14 19:30*	*1*
Unknown	*820*	*T J*	*ug/Kg*	☼	*17.57*		*08/28/14 16:17*	*08/29/14 19:30*	*1*
Unknown	*690*	*T J*	*ug/Kg*	☼	*17.67*		*08/28/14 16:17*	*08/29/14 19:30*	*1*
Unknown	*340*	*T J*	*ug/Kg*	☼	*17.95*		*08/28/14 16:17*	*08/29/14 19:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*35 - 105*	*08/28/14 16:17*	*08/29/14 19:30*	*1*
2-Fluorophenol (Surr)	*59*		*39 - 103*	*08/28/14 16:17*	*08/29/14 19:30*	*1*
Nitrobenzene-d5 (Surr)	*65*		*25 - 104*	*08/28/14 16:17*	*08/29/14 19:30*	*1*
Phenol-d5 (Surr)	*65*		*25 - 105*	*08/28/14 16:17*	*08/29/14 19:30*	*1*
Terphenyl-d14 (Surr)	*66*		*25 - 127*	*08/28/14 16:17*	*08/29/14 19:30*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*35 - 124*	*08/28/14 16:17*	*08/29/14 19:30*	*1*

Client Sample ID: SSHS-B42-A-3-5 (4)
Lab Sample ID: 180-35858-24
Date Collected: 08/15/14 10:15
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 85.9

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.35	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
alpha-BHC	ND		2.0	0.32	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
alpha-Chlordane	ND		2.0	0.38	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
beta-BHC	ND		2.0	0.50	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
4,4'-DDD	ND		2.0	0.25	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
4,4'-DDE	ND		2.0	0.29	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
4,4'-DDT	ND		2.0	0.29	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
delta-BHC	ND		2.0	0.30	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
Dieldrin	ND		2.0	0.32	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
Endosulfan I	ND		2.0	0.36	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
Endosulfan II	**0.96**	**J**	2.0	0.34	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
Endosulfan sulfate	ND		2.0	0.20	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
Endrin	ND		2.0	0.38	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
Endrin aldehyde	ND		2.0	0.38	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
Endrin ketone	ND		2.0	0.30	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
gamma-BHC (Lindane)	ND		2.0	0.34	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
gamma-Chlordane	ND		2.0	0.38	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
Heptachlor	ND		2.0	0.43	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
Heptachlor epoxide	ND		2.0	0.38	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
Methoxychlor	ND		3.8	0.40	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1
Toxaphene	ND		78	13	ug/Kg	☼	08/28/14 16:07	08/31/14 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/28/14 16:07*	*08/31/14 14:55*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 130*	*08/28/14 16:07*	*08/31/14 14:55*	*1*
Tetrachloro-m-xylene	*77*		*45 - 130*	*08/28/14 16:07*	*08/31/14 14:55*	*1*
Tetrachloro-m-xylene	*71*		*45 - 130*	*08/28/14 16:07*	*08/31/14 14:55*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.9	ug/Kg	☼	08/28/14 16:07	09/01/14 03:29	1
PCB-1221	ND		19	3.7	ug/Kg	☼	08/28/14 16:07	09/01/14 03:29	1
PCB-1232	ND		19	3.3	ug/Kg	☼	08/28/14 16:07	09/01/14 03:29	1
PCB-1242	ND		19	3.2	ug/Kg	☼	08/28/14 16:07	09/01/14 03:29	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/28/14 16:07	09/01/14 03:29	1
PCB-1254	ND		19	2.8	ug/Kg	☼	08/28/14 16:07	09/01/14 03:29	1
PCB-1260	ND		19	2.8	ug/Kg	☼	08/28/14 16:07	09/01/14 03:29	1
PCB-1262	ND		19	4.2	ug/Kg	☼	08/28/14 16:07	09/01/14 03:29	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/28/14 16:07	09/01/14 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/28/14 16:07*	*09/01/14 03:29*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*	*08/28/14 16:07*	*09/01/14 04:01*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*45 - 135*	*08/28/14 16:07*	*09/01/14 03:29*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*45 - 135*	*08/28/14 16:07*	*09/01/14 04:01*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		22	2.3	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1

Client Sample Results

Client Sample ID: SSHS-B42-A-3-5 (4)

Lab Sample ID: 180-35858-24
Date Collected: 08/15/14 10:15
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 85.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.6**		1.1	0.34	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Barium	**120**		22	0.014	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Beryllium	**0.43**	**J**	0.44	0.012	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Cadmium	**0.069**	**J**	0.55	0.016	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Calcium	**2200**		550	1.6	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Chromium	**12**	**B**	0.55	0.085	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Cobalt	**6.5**		5.5	0.046	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Copper	**40**		2.7	0.16	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Iron	**18000**		11	0.97	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Lead	**52**		1.1	0.11	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Magnesium	**2100**		550	2.3	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Manganese	**600**		1.6	0.098	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Nickel	**16**		4.4	0.052	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Potassium	**870**		550	7.0	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Selenium	**0.94**	**J**	1.1	0.29	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Silver	ND		0.55	0.044	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Sodium	**110**	**J**	550	1.2	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Thallium	**0.21**	**J**	2.2	0.16	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Vanadium	**18**		5.5	0.19	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1
Zinc	**70**	**B**	2.2	0.11	mg/Kg	☼	08/26/14 08:58	08/28/14 17:05	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.054**		0.035	0.012	mg/Kg	☼	08/28/14 10:30	08/28/14 14:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14**		0.10	0.10	%			08/19/14 14:00	1
Percent Solids	**86**		0.10	0.10	%			08/19/14 14:00	1
Cyanide, Total	**0.31**	**J**	0.59	0.17	mg/Kg	☼	08/28/14 09:30	08/28/14 12:02	1

Client Sample ID: SSHS-B42-A-7-9 (8)

Lab Sample ID: 180-35858-25
Date Collected: 08/15/14 10:25
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 87.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	5.4	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Benzene	ND		5.4	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Bromoform	ND		5.4	0.48	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Bromomethane	ND		5.4	0.80	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
2-Butanone (MEK)	ND		5.4	0.95	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Carbon disulfide	ND		5.4	0.55	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Carbon tetrachloride	ND	*	5.4	0.48	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Chlorobenzene	ND		5.4	0.82	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Chlorobromomethane	ND		5.4	0.74	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Chlorodibromomethane	ND		5.4	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Chloroethane	ND		5.4	1.7	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Chloroform	ND		5.4	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Chloromethane	ND		5.4	0.92	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1

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

Client Sample ID: SSHS-B42-A-7-9 (8)

Lab Sample ID: 180-35858-25

Date Collected: 08/15/14 10:25
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		5.4	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
cis-1,3-Dichloropropene	ND		5.4	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Cyclohexane	ND		5.4	0.40	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
1,2-Dibromo-3-Chloropropane	ND		5.4	0.81	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
1,2-Dibromoethane	ND		5.4	0.93	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
1,2-Dichlorobenzene	ND		5.4	0.86	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
1,3-Dichlorobenzene	ND		5.4	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
1,4-Dichlorobenzene	ND		5.4	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Dichlorobromomethane	ND		5.4	0.60	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Dichlorodifluoromethane	ND		5.4	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
1,1-Dichloroethane	ND		5.4	0.62	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
1,2-Dichloroethane	ND		5.4	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
1,1-Dichloroethene	ND		5.4	0.91	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
1,2-Dichloropropane	ND		5.4	0.59	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
1,4-Dioxane	ND		1100	300	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Ethylbenzene	ND		5.4	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
2-Hexanone	ND		5.4	0.74	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Isopropylbenzene	ND		5.4	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Methyl acetate	ND		5.4	0.97	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Methylcyclohexane	ND		5.4	0.78	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Methylene Chloride	ND		5.4	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.4	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Methyl tert-butyl ether	ND		5.4	0.81	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
m-Xylene & p-Xylene	ND		11	1.6	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
o-Xylene	ND		5.4	0.84	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Styrene	ND		5.4	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
1,1,2,2-Tetrachloroethane	ND		5.4	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Tetrachloroethene	ND		5.4	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Toluene	ND		5.4	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
trans-1,2-Dichloroethene	ND	*	5.4	0.64	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
trans-1,3-Dichloropropene	ND		5.4	0.64	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
1,2,3-Trichlorobenzene	ND		5.4	0.91	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
1,2,4-Trichlorobenzene	ND		5.4	0.95	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
1,1,1-Trichloroethane	ND	*	5.4	0.52	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
1,1,2-Trichloroethane	ND		5.4	0.90	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Trichloroethene	ND		5.4	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Trichlorofluoromethane	ND		5.4	0.99	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.4	1.2	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1
Vinyl chloride	ND		5.4	0.51	ug/Kg	☼	08/25/14 04:25	08/25/14 13:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/25/14 04:25*	*08/25/14 13:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 120*	*08/25/14 04:25*	*08/25/14 13:34*	*1*
Dibromofluoromethane (Surr)	*112*		*68 - 121*	*08/25/14 04:25*	*08/25/14 13:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*131*	*X*	*52 - 124*	*08/25/14 04:25*	*08/25/14 13:34*	*1*
Toluene-d8 (Surr)	*102*		*72 - 127*	*08/25/14 04:25*	*08/25/14 13:34*	*1*

Client Sample Results

Client Sample ID: SSHS-B42-A-7-9 (8)
Lab Sample ID: 180-35858-25
Date Collected: 08/15/14 10:25
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 87.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	7.3	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Acenaphthylene	ND		76	8.7	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Acetophenone	ND		380	31	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Anthracene	ND		76	7.5	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Atrazine	ND		380	37	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Benzaldehyde	ND		380	57	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Benzo[a]anthracene	ND		76	9.5	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Benzo[a]pyrene	ND		76	7.6	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Benzo[b]fluoranthene	ND		76	12	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Benzo[g,h,i]perylene	ND		76	7.6	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Benzo[k]fluoranthene	ND		76	15	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
1,1'-Biphenyl	ND		380	34	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Bis(2-chloroethoxy)methane	ND		380	25	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Bis(2-chloroethyl)ether	ND		76	10	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Bis(2-ethylhexyl) phthalate	ND		760	62	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
4-Bromophenyl phenyl ether	ND		380	33	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Butyl benzyl phthalate	ND		380	52	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Caprolactam	ND		1900	290	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Carbazole	ND		76	7.0	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
4-Chloroaniline	ND		380	30	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
4-Chloro-3-methylphenol	ND		380	35	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
2-Chloronaphthalene	ND		76	7.9	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
2-Chlorophenol	ND		380	31	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
4-Chlorophenyl phenyl ether	ND		380	42	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Chrysene	ND		76	9.1	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Dibenz(a,h)anthracene	ND		76	8.5	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Dibenzofuran	ND		380	37	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
3,3'-Dichlorobenzidine	ND		380	40	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
2,4-Dichlorophenol	ND		76	7.6	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Diethyl phthalate	ND		380	42	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
2,4-Dimethylphenol	ND		380	60	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Dimethyl phthalate	ND		380	41	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Di-n-butyl phthalate	ND		380	48	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
2,4-Dinitrophenol	ND		1900	450	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
2,4-Dinitrotoluene	ND		380	31	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
2,6-Dinitrotoluene	ND		380	39	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Di-n-octyl phthalate	ND		380	40	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
1,4-Dioxane	ND		760	44	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Fluoranthene	ND		76	8.1	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Fluorene	ND		76	10	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Hexachlorobenzene	ND		76	8.1	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Hexachlorobutadiene	ND		76	8.5	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Hexachlorocyclopentadiene	ND		380	41	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Hexachloroethane	ND		380	27	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Indeno[1,2,3-cd]pyrene	ND		76	7.8	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Isophorone	ND		380	29	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
2-Methylnaphthalene	ND		76	6.8	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
2-Methylphenol	ND		380	27	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1

Client Sample ID: SSHS-B42-A-7-9 (8)
Lab Sample ID: 180-35858-25
Date Collected: 08/15/14 10:25
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 87.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		380	37	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Naphthalene	ND		76	6.6	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
3-Nitroaniline	ND		1900	160	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Nitrobenzene	ND		760	32	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
2-Nitrophenol	ND		380	42	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
4-Nitrophenol	ND		1900	140	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
N-Nitrosodi-n-propylamine	ND		76	8.9	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
N-Nitrosodiphenylamine	ND		380	35	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
2,2'-oxybis[1-chloropropane]	ND		76	8.2	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Pentachlorophenol	ND		380	34	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Phenanthrene	ND		76	12	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Phenol	ND		76	9.0	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
Pyrene	ND		76	7.7	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
1,2,4,5-Tetrachlorobenzene	ND		380	29	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
2,3,4,6-Tetrachlorophenol	ND		380	24	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
2,4,5-Trichlorophenol	ND		380	41	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1
2,4,6-Trichlorophenol	ND		380	57	ug/Kg	☼	08/28/14 16:17	08/29/14 19:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*330*	*T J*	*ug/Kg*	☼	*12.82*		*08/28/14 16:17*	*08/29/14 19:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*35 - 105*	*08/28/14 16:17*	*08/29/14 19:59*	*1*
2-Fluorophenol (Surr)	*51*		*39 - 103*	*08/28/14 16:17*	*08/29/14 19:59*	*1*
Nitrobenzene-d5 (Surr)	*57*		*25 - 104*	*08/28/14 16:17*	*08/29/14 19:59*	*1*
Phenol-d5 (Surr)	*57*		*25 - 105*	*08/28/14 16:17*	*08/29/14 19:59*	*1*
Terphenyl-d14 (Surr)	*63*		*25 - 127*	*08/28/14 16:17*	*08/29/14 19:59*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*35 - 124*	*08/28/14 16:17*	*08/29/14 19:59*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.34	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
alpha-BHC	ND		1.9	0.31	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
alpha-Chlordane	ND		1.9	0.38	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
beta-BHC	ND		1.9	0.49	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
4,4'-DDD	ND		1.9	0.25	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
4,4'-DDE	ND		1.9	0.29	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
4,4'-DDT	ND		1.9	0.28	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
delta-BHC	ND		1.9	0.29	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
Dieldrin	ND		1.9	0.31	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
Endosulfan I	ND		1.9	0.36	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
Endosulfan II	ND		1.9	0.33	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
Endosulfan sulfate	ND		1.9	0.20	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
Endrin	ND		1.9	0.37	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
Endrin aldehyde	ND		1.9	0.37	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
Endrin ketone	ND		1.9	0.29	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
gamma-BHC (Lindane)	ND		1.9	0.33	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
gamma-Chlordane	ND		1.9	0.37	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1

Client Sample ID: SSHS-B42-A-7-9 (8)
Lab Sample ID: 180-35858-25
Date Collected: 08/15/14 10:25
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 87.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		1.9	0.42	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
Heptachlor epoxide	ND		1.9	0.37	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
Methoxychlor	ND		3.7	0.39	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1
Toxaphene	ND		76	13	ug/Kg	☼	08/28/14 16:07	08/31/14 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 130*	*08/28/14 16:07*	*08/31/14 15:10*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*	*08/28/14 16:07*	*08/31/14 15:10*	*1*
Tetrachloro-m-xylene	*93*		*45 - 130*	*08/28/14 16:07*	*08/31/14 15:10*	*1*
Tetrachloro-m-xylene	*89*		*45 - 130*	*08/28/14 16:07*	*08/31/14 15:10*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	2.8	ug/Kg	☼	08/28/14 16:07	09/01/14 04:01	1
PCB-1221	ND		19	3.6	ug/Kg	☼	08/28/14 16:07	09/01/14 04:01	1
PCB-1232	ND		19	3.2	ug/Kg	☼	08/28/14 16:07	09/01/14 04:01	1
PCB-1242	ND		19	3.1	ug/Kg	☼	08/28/14 16:07	09/01/14 04:01	1
PCB-1248	ND		19	1.8	ug/Kg	☼	08/28/14 16:07	09/01/14 04:01	1
PCB-1254	ND		19	2.7	ug/Kg	☼	08/28/14 16:07	09/01/14 04:01	1
PCB-1260	ND		19	2.7	ug/Kg	☼	08/28/14 16:07	09/01/14 04:01	1
PCB-1262	ND		19	4.1	ug/Kg	☼	08/28/14 16:07	09/01/14 04:01	1
PCB-1268	ND		19	2.4	ug/Kg	☼	08/28/14 16:07	09/01/14 04:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/28/14 16:07*	*09/01/14 04:01*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*45 - 125*	*08/28/14 16:07*	*09/01/14 04:32*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*45 - 135*	*08/28/14 16:07*	*09/01/14 04:01*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*45 - 135*	*08/28/14 16:07*	*09/01/14 04:32*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9600**		22	2.3	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Antimony	ND		1.1	0.22	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Arsenic	**8.8**		1.1	0.34	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Barium	**78**		22	0.014	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Beryllium	**0.41**	**J**	0.44	0.012	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Cadmium	**0.024**	**J**	0.55	0.016	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Calcium	**600**		550	1.6	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Chromium	**10**	**B**	0.55	0.085	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Cobalt	**7.3**		5.5	0.046	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Copper	**24**		2.7	0.16	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Iron	**18000**		11	0.97	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Lead	**11**		1.1	0.11	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Magnesium	**2200**		550	2.3	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Manganese	**590**		1.6	0.098	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Nickel	**16**		4.4	0.052	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Potassium	**1100**		550	7.0	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Selenium	**0.40**	**J**	1.1	0.29	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Silver	ND		0.55	0.044	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Sodium	**54**	**J**	550	1.2	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1

Client Sample Results

Client Sample ID: SSHS-B42-A-7-9 (8)

Lab Sample ID: 180-35858-25

Date Collected: 08/15/14 10:25

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 87.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		2.2	0.16	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Vanadium	**16**		5.5	0.19	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1
Zinc	**58**	**B**	2.2	0.11	mg/Kg	☼	08/26/14 08:58	08/28/14 17:10	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.038	0.012	mg/Kg	☼	08/28/14 10:30	08/28/14 14:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10	0.10	%			08/19/14 14:00	1
Percent Solids	**88**		0.10	0.10	%			08/19/14 14:00	1
Cyanide, Total	ND		0.59	0.17	mg/Kg	☼	08/28/14 09:30	08/28/14 12:02	1

Client Sample ID: SSHS-B42-A-11-13 (12)

Lab Sample ID: 180-35858-26

Date Collected: 08/15/14 10:35

Matrix: Solid

Date Received: 08/16/14 09:00

Percent Solids: 91.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Benzene	ND		5.0	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Bromoform	ND		5.0	0.44	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Bromomethane	ND		5.0	0.74	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
2-Butanone (MEK)	ND		5.0	0.89	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Carbon disulfide	ND		5.0	0.51	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Carbon tetrachloride	ND	*	5.0	0.45	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Chlorobenzene	ND		5.0	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Chloroethane	ND		5.0	1.6	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Chloroform	ND		5.0	0.59	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Chloromethane	ND		5.0	0.86	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
cis-1,2-Dichloroethene	ND		5.0	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Cyclohexane	ND		5.0	0.37	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
1,2-Dibromoethane	ND		5.0	0.87	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
1,2-Dichloroethane	ND		5.0	0.62	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
1,2-Dichloropropane	ND		5.0	0.55	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
1,4-Dioxane	ND		1000	280	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Ethylbenzene	ND		5.0	0.65	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
2-Hexanone	ND		5.0	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1

Client Sample ID: SSHS-B42-A-11-13 (12) Lab Sample ID: 180-35858-26

Date Collected: 08/15/14 10:35 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 91.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		5.0	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Methyl acetate	ND		5.0	0.91	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Methylene Chloride	ND		5.0	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
o-Xylene	ND		5.0	0.78	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Styrene	ND		5.0	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Tetrachloroethene	**1.6**	**J**	5.0	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Toluene	ND		5.0	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
trans-1,2-Dichloroethene	ND	*	5.0	0.60	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
1,2,3-Trichlorobenzene	ND		5.0	0.85	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
1,2,4-Trichlorobenzene	ND		5.0	0.89	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
1,1,1-Trichloroethane	ND	*	5.0	0.49	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
1,1,2-Trichloroethane	ND		5.0	0.84	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Trichloroethene	**1.9**	**J**	5.0	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.0	1.1	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1
Vinyl chloride	ND		5.0	0.47	ug/Kg	☼	08/25/14 04:25	08/25/14 13:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/25/14 04:25*	*08/25/14 13:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*	*08/25/14 04:25*	*08/25/14 13:57*	*1*
Dibromofluoromethane (Surr)	*104*		*68 - 121*	*08/25/14 04:25*	*08/25/14 13:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*52 - 124*	*08/25/14 04:25*	*08/25/14 13:57*	*1*
Toluene-d8 (Surr)	*100*		*72 - 127*	*08/25/14 04:25*	*08/25/14 13:57*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	7.0	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Acenaphthylene	ND		73	8.4	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Acetophenone	ND		360	30	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Anthracene	ND		73	7.1	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Atrazine	ND		360	36	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Benzaldehyde	ND		360	55	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Benzo[a]anthracene	ND		73	9.1	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Benzo[a]pyrene	ND		73	7.3	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Benzo[b]fluoranthene	ND		73	11	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Benzo[g,h,i]perylene	ND		73	7.3	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Benzo[k]fluoranthene	ND		73	15	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
1,1'-Biphenyl	ND		360	33	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Bis(2-chloroethoxy)methane	ND		360	24	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Bis(2-chloroethyl)ether	ND		73	9.8	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Bis(2-ethylhexyl) phthalate	ND		730	59	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
4-Bromophenyl phenyl ether	ND		360	32	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: SSHS-B42-A-11-13 (12)
Date Collected: 08/15/14 10:35
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-26
Matrix: Solid
Percent Solids: 91.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		360	50	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Caprolactam	ND		1900	280	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Carbazole	ND		73	6.7	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
4-Chloroaniline	ND		360	29	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
4-Chloro-3-methylphenol	ND		360	34	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
2-Chloronaphthalene	ND		73	7.6	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
2-Chlorophenol	ND		360	30	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
4-Chlorophenyl phenyl ether	ND		360	41	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Chrysene	ND		73	8.7	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Dibenz(a,h)anthracene	ND		73	8.1	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
3,3'-Dichlorobenzidine	ND		360	39	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
2,4-Dichlorophenol	ND		73	7.3	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Diethyl phthalate	ND		360	40	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
2,4-Dimethylphenol	ND		360	57	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Dimethyl phthalate	ND		360	40	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Di-n-butyl phthalate	ND		360	46	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
4,6-Dinitro-2-methylphenol	ND		1900	150	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
2,4-Dinitrophenol	ND		1900	430	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
2,4-Dinitrotoluene	ND		360	29	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
2,6-Dinitrotoluene	ND		360	38	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Di-n-octyl phthalate	ND		360	38	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
1,4-Dioxane	ND		730	42	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Fluoranthene	ND		73	7.8	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Fluorene	ND		73	9.6	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Hexachlorobenzene	ND		73	7.8	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Hexachlorobutadiene	ND		73	8.2	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Hexachlorocyclopentadiene	ND		360	39	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Hexachloroethane	ND		360	26	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Indeno[1,2,3-cd]pyrene	ND		73	7.5	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Isophorone	ND		360	28	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
2-Methylnaphthalene	ND		73	6.6	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
2-Methylphenol	ND		360	26	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Methylphenol, 3 & 4	ND		360	36	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Naphthalene	ND		73	6.3	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
2-Nitroaniline	ND		1900	160	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
3-Nitroaniline	ND		1900	150	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
4-Nitroaniline	ND		1900	150	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Nitrobenzene	ND		730	30	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
2-Nitrophenol	ND		360	40	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
4-Nitrophenol	ND		1900	130	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
N-Nitrosodi-n-propylamine	ND		73	8.6	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
N-Nitrosodiphenylamine	ND		360	34	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
2,2'-oxybis[1-chloropropane]	ND		73	7.9	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Pentachlorophenol	ND		360	33	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Phenanthrene	ND		73	12	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Phenol	ND		73	8.6	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
Pyrene	ND		73	7.4	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
1,2,4,5-Tetrachlorobenzene	ND		360	28	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1

Client Sample ID: SSHS-B42-A-11-13 (12)
Date Collected: 08/15/14 10:35
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-26
Matrix: Solid
Percent Solids: 91.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	ND		360	23	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
2,4,5-Trichlorophenol	ND		360	39	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1
2,4,6-Trichlorophenol	ND		360	55	ug/Kg	☼	08/28/14 16:17	08/29/14 20:27	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*160*	*T J*	*ug/Kg*	☼	*12.97*		*08/28/14 16:17*	*08/29/14 20:27*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*51*		*35 - 105*	*08/28/14 16:17*	*08/29/14 20:27*	*1*
2-Fluorophenol (Surr)	*45*		*39 - 103*	*08/28/14 16:17*	*08/29/14 20:27*	*1*
Nitrobenzene-d5 (Surr)	*50*		*25 - 104*	*08/28/14 16:17*	*08/29/14 20:27*	*1*
Phenol-d5 (Surr)	*53*		*25 - 105*	*08/28/14 16:17*	*08/29/14 20:27*	*1*
Terphenyl-d14 (Surr)	*64*		*25 - 127*	*08/28/14 16:17*	*08/29/14 20:27*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*35 - 124*	*08/28/14 16:17*	*08/29/14 20:27*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9	0.33	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
alpha-BHC	ND		1.9	0.30	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
alpha-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
beta-BHC	ND		1.9	0.47	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
4,4'-DDD	ND		1.9	0.24	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
4,4'-DDE	ND		1.9	0.28	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
4,4'-DDT	ND		1.9	0.27	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
delta-BHC	ND		1.9	0.28	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
Dieldrin	ND		1.9	0.30	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
Endosulfan I	ND		1.9	0.34	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
Endosulfan II	ND		1.9	0.32	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
Endosulfan sulfate	ND		1.9	0.19	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
Endrin	ND		1.9	0.35	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
Endrin aldehyde	ND		1.9	0.35	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
Endrin ketone	ND		1.9	0.28	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
gamma-BHC (Lindane)	ND		1.9	0.32	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
gamma-Chlordane	ND		1.9	0.36	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
Heptachlor	ND		1.9	0.41	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
Heptachlor epoxide	ND		1.9	0.36	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
Methoxychlor	ND		3.6	0.38	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1
Toxaphene	ND		73	12	ug/Kg	☼	08/28/14 16:07	08/31/14 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 130*	*08/28/14 16:07*	*08/31/14 15:26*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 130*	*08/28/14 16:07*	*08/31/14 15:26*	*1*
Tetrachloro-m-xylene	*101*		*45 - 130*	*08/28/14 16:07*	*08/31/14 15:26*	*1*
Tetrachloro-m-xylene	*95*		*45 - 130*	*08/28/14 16:07*	*08/31/14 15:26*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.7	ug/Kg	☼	08/28/14 16:07	09/01/14 04:32	1
PCB-1221	ND		18	3.5	ug/Kg	☼	08/28/14 16:07	09/01/14 04:32	1
PCB-1232	ND		18	3.1	ug/Kg	☼	08/28/14 16:07	09/01/14 04:32	1
PCB-1242	ND		18	3.0	ug/Kg	☼	08/28/14 16:07	09/01/14 04:32	1

Client Sample Results

Client Sample ID: SSHS-B42-A-11-13 (12)

Lab Sample ID: 180-35858-26

Date Collected: 08/15/14 10:35
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 91.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		18	1.7	ug/Kg	☼	08/28/14 16:07	09/01/14 04:32	1
PCB-1254	ND		18	2.6	ug/Kg	☼	08/28/14 16:07	09/01/14 04:32	1
PCB-1260	ND		18	2.6	ug/Kg	☼	08/28/14 16:07	09/01/14 04:32	1
PCB-1262	ND		18	4.0	ug/Kg	☼	08/28/14 16:07	09/01/14 04:32	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/28/14 16:07	09/01/14 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*	*08/28/14 16:07*	*09/01/14 04:32*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/28/14 16:07*	*09/01/14 05:04*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*45 - 135*	*08/28/14 16:07*	*09/01/14 04:32*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*45 - 135*	*08/28/14 16:07*	*09/01/14 05:04*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6400**		20	2.1	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Antimony	ND		1.0	0.20	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Arsenic	**6.5**		1.0	0.31	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Barium	**45**		20	0.013	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Beryllium	**0.29**	**J**	0.41	0.011	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Cadmium	**0.055**	**J**	0.51	0.014	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Calcium	**14000**		510	1.5	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Chromium	**8.5**	**B**	0.51	0.078	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Cobalt	**5.7**		5.1	0.042	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Copper	**21**		2.5	0.15	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Iron	**15000**		10	0.90	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Lead	**8.4**		1.0	0.10	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Magnesium	**3100**		510	2.1	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Manganese	**390**		1.5	0.090	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Nickel	**18**		4.1	0.048	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Potassium	**900**		510	6.5	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Selenium	ND		1.0	0.27	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Silver	ND		0.51	0.041	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Sodium	**57**	**J**	510	1.1	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Thallium	ND		2.0	0.15	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Vanadium	**13**		5.1	0.18	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1
Zinc	**52**	**B**	2.0	0.10	mg/Kg	☼	08/26/14 08:58	08/28/14 17:15	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.011	mg/Kg	☼	08/28/14 10:30	08/28/14 14:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.6**		0.10	0.10	%			08/19/14 14:00	1
Percent Solids	**91**		0.10	0.10	%			08/19/14 14:00	1
Cyanide, Total	ND		0.54	0.16	mg/Kg	☼	08/28/14 09:30	08/28/14 12:09	1

Client Sample Results

Client Sample ID: DUP-20
Date Collected: 08/15/14 00:00
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-27
Matrix: Solid
Percent Solids: 94.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.6	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Benzene	ND		4.6	0.61	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Bromoform	ND		4.6	0.40	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Bromomethane	ND		4.6	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
2-Butanone (MEK)	ND		4.6	0.80	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Carbon disulfide	ND		4.6	0.47	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Carbon tetrachloride	ND	*	4.6	0.41	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Chlorobenzene	ND		4.6	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Chlorobromomethane	ND		4.6	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Chlorodibromomethane	ND		4.6	0.65	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Chloroethane	ND		4.6	1.4	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Chloroform	ND		4.6	0.53	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Chloromethane	ND		4.6	0.78	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
cis-1,2-Dichloroethene	ND		4.6	0.64	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
cis-1,3-Dichloropropene	ND		4.6	0.62	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Cyclohexane	ND		4.6	0.34	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
1,2-Dibromo-3-Chloropropane	ND		4.6	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
1,2-Dibromoethane	ND		4.6	0.79	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
1,2-Dichlorobenzene	ND		4.6	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
1,3-Dichlorobenzene	ND		4.6	0.60	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
1,4-Dichlorobenzene	ND		4.6	0.58	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Dichlorobromomethane	ND		4.6	0.51	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Dichlorodifluoromethane	ND		4.6	0.61	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
1,1-Dichloroethane	ND		4.6	0.52	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
1,2-Dichloroethane	ND		4.6	0.56	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
1,1-Dichloroethene	ND		4.6	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
1,2-Dichloropropane	ND		4.6	0.49	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
1,4-Dioxane	ND		910	250	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Ethylbenzene	ND		4.6	0.58	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
2-Hexanone	ND		4.6	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Isopropylbenzene	ND		4.6	0.62	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Methyl acetate	ND		4.6	0.82	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Methylcyclohexane	ND		4.6	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Methylene Chloride	ND		4.6	0.61	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	0.59	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Methyl tert-butyl ether	ND		4.6	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
m-Xylene & p-Xylene	ND		9.1	1.3	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
o-Xylene	ND		4.6	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Styrene	ND		4.6	0.64	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.65	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Tetrachloroethene	ND		4.6	0.62	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Toluene	ND		4.6	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
trans-1,2-Dichloroethene	ND	*	4.6	0.54	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
trans-1,3-Dichloropropene	ND		4.6	0.54	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
1,2,3-Trichlorobenzene	ND		4.6	0.77	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
1,2,4-Trichlorobenzene	ND		4.6	0.80	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
1,1,1-Trichloroethane	ND	*	4.6	0.44	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
1,1,2-Trichloroethane	ND		4.6	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Trichloroethene	ND		4.6	0.60	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1

Client Sample Results

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

Client Sample ID: DUP-20
Date Collected: 08/15/14 00:00
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-27
Matrix: Solid
Percent Solids: 94.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		4.6	0.84	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.6	0.97	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1
Vinyl chloride	ND		4.6	0.43	ug/Kg	☼	08/25/14 04:25	08/25/14 14:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/25/14 04:25*	*08/25/14 14:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*	*08/25/14 04:25*	*08/25/14 14:20*	*1*
Dibromofluoromethane (Surr)	*103*		*68 - 121*	*08/25/14 04:25*	*08/25/14 14:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*52 - 124*	*08/25/14 04:25*	*08/25/14 14:20*	*1*
Toluene-d8 (Surr)	*100*		*72 - 127*	*08/25/14 04:25*	*08/25/14 14:20*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	6.8	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Acenaphthylene	ND		71	8.1	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Acetophenone	ND		350	29	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Anthracene	ND		71	6.9	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Atrazine	ND		350	34	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Benzaldehyde	ND		350	53	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Benzo[a]anthracene	ND		71	8.8	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Benzo[a]pyrene	ND		71	7.1	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Benzo[b]fluoranthene	ND		71	11	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Benzo[g,h,i]perylene	ND		71	7.0	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Benzo[k]fluoranthene	ND		71	14	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
1,1'-Biphenyl	ND		350	31	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Bis(2-chloroethoxy)methane	ND		350	23	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Bis(2-chloroethyl)ether	ND		71	9.5	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Bis(2-ethylhexyl) phthalate	ND		710	57	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
4-Bromophenyl phenyl ether	ND		350	31	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Butyl benzyl phthalate	ND		350	48	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Caprolactam	ND		1800	270	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Carbazole	ND		71	6.5	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
4-Chloroaniline	ND		350	28	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
4-Chloro-3-methylphenol	ND		350	32	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
2-Chloronaphthalene	ND		71	7.4	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
2-Chlorophenol	ND		350	29	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
4-Chlorophenyl phenyl ether	ND		350	39	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Chrysene	ND		71	8.4	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Dibenz(a,h)anthracene	ND		71	7.8	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Dibenzofuran	ND		350	35	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
3,3'-Dichlorobenzidine	ND		350	37	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
2,4-Dichlorophenol	ND		71	7.1	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Diethyl phthalate	ND		350	39	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
2,4-Dimethylphenol	ND		350	55	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Dimethyl phthalate	ND		350	38	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Di-n-butyl phthalate	ND		350	44	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
4,6-Dinitro-2-methylphenol	ND		1800	140	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
2,4-Dinitrophenol	ND		1800	420	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1

Client Sample ID: DUP-20
Lab Sample ID: 180-35858-27
Date Collected: 08/15/14 00:00
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 94.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		350	28	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
2,6-Dinitrotoluene	ND		350	36	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Di-n-octyl phthalate	ND		350	37	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
1,4-Dioxane	ND		710	40	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Fluoranthene	ND		71	7.5	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Fluorene	ND		71	9.3	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Hexachlorobenzene	ND		71	7.5	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Hexachlorobutadiene	ND		71	7.9	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Hexachlorocyclopentadiene	ND		350	38	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Hexachloroethane	ND		350	25	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Indeno[1,2,3-cd]pyrene	ND		71	7.3	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Isophorone	ND		350	27	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
2-Methylnaphthalene	ND		71	6.3	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
2-Methylphenol	ND		350	25	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Methylphenol, 3 & 4	ND		350	35	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Naphthalene	ND		71	6.1	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
3-Nitroaniline	ND		1800	150	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
4-Nitroaniline	ND		1800	140	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Nitrobenzene	ND		710	29	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
2-Nitrophenol	ND		350	39	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
4-Nitrophenol	ND		1800	130	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
N-Nitrosodi-n-propylamine	ND		71	8.3	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
N-Nitrosodiphenylamine	ND		350	33	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
2,2'-oxybis[1-chloropropane]	ND		71	7.6	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Pentachlorophenol	ND		350	32	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Phenanthrene	ND		71	11	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Phenol	ND		71	8.3	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
Pyrene	ND		71	7.1	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
1,2,4,5-Tetrachlorobenzene	ND		350	27	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
2,3,4,6-Tetrachlorophenol	ND		350	23	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
2,4,5-Trichlorophenol	ND		350	38	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1
2,4,6-Trichlorophenol	ND		350	53	ug/Kg	☼	08/28/14 16:17	08/29/14 20:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Amide	*380*	*T J*	*ug/Kg*	☼	*12.83*		*08/28/14 16:17*	*08/29/14 20:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*35 - 105*	*08/28/14 16:17*	*08/29/14 20:55*	*1*
2-Fluorophenol (Surr)	*48*		*39 - 103*	*08/28/14 16:17*	*08/29/14 20:55*	*1*
Nitrobenzene-d5 (Surr)	*52*		*25 - 104*	*08/28/14 16:17*	*08/29/14 20:55*	*1*
Phenol-d5 (Surr)	*54*		*25 - 105*	*08/28/14 16:17*	*08/29/14 20:55*	*1*
Terphenyl-d14 (Surr)	*67*		*25 - 127*	*08/28/14 16:17*	*08/29/14 20:55*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*35 - 124*	*08/28/14 16:17*	*08/29/14 20:55*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.8	0.32	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
alpha-BHC	ND		1.8	0.29	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
alpha-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1

Client Sample ID: DUP-20
Lab Sample ID: 180-35858-27
Date Collected: 08/15/14 00:00
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 94.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		1.8	0.46	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
4,4'-DDD	ND		1.8	0.23	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
4,4'-DDT	ND		1.8	0.26	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
delta-BHC	ND		1.8	0.27	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
Dieldrin	ND		1.8	0.29	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
Endosulfan I	ND		1.8	0.33	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
Endosulfan II	ND		1.8	0.31	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
Endosulfan sulfate	ND		1.8	0.18	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
Endrin	ND		1.8	0.34	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
Endrin aldehyde	ND		1.8	0.34	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
Endrin ketone	ND		1.8	0.27	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
gamma-BHC (Lindane)	ND		1.8	0.31	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
gamma-Chlordane	ND		1.8	0.35	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
Heptachlor	ND		1.8	0.39	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
Heptachlor epoxide	ND		1.8	0.34	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
Methoxychlor	ND		3.5	0.37	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1
Toxaphene	ND		71	12	ug/Kg	☼	08/28/14 16:07	08/31/14 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 130*	*08/28/14 16:07*	*08/31/14 15:41*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*	*08/28/14 16:07*	*08/31/14 15:41*	*1*
Tetrachloro-m-xylene	*100*		*45 - 130*	*08/28/14 16:07*	*08/31/14 15:41*	*1*
Tetrachloro-m-xylene	*96*		*45 - 130*	*08/28/14 16:07*	*08/31/14 15:41*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	2.6	ug/Kg	☼	08/28/14 16:07	09/01/14 05:04	1
PCB-1221	ND		18	3.4	ug/Kg	☼	08/28/14 16:07	09/01/14 05:04	1
PCB-1232	ND		18	3.0	ug/Kg	☼	08/28/14 16:07	09/01/14 05:04	1
PCB-1242	ND		18	2.9	ug/Kg	☼	08/28/14 16:07	09/01/14 05:04	1
PCB-1248	ND		18	1.7	ug/Kg	☼	08/28/14 16:07	09/01/14 05:04	1
PCB-1254	ND		18	2.5	ug/Kg	☼	08/28/14 16:07	09/01/14 05:04	1
PCB-1260	ND		18	2.5	ug/Kg	☼	08/28/14 16:07	09/01/14 05:04	1
PCB-1262	ND		18	3.9	ug/Kg	☼	08/28/14 16:07	09/01/14 05:04	1
PCB-1268	ND		18	2.3	ug/Kg	☼	08/28/14 16:07	09/01/14 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 125*	*08/28/14 16:07*	*09/01/14 05:04*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/28/14 16:07*	*09/01/14 05:35*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*45 - 135*	*08/28/14 16:07*	*09/01/14 05:04*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*45 - 135*	*08/28/14 16:07*	*09/01/14 05:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5400**		20	2.0	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Antimony	ND		0.98	0.20	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Arsenic	**5.2**		0.98	0.30	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Barium	**49**		20	0.013	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Beryllium	**0.21**	**J**	0.39	0.011	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1

Client Sample ID: DUP-20 Lab Sample ID: 180-35858-27

Date Collected: 08/15/14 00:00 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 94.6**

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.058**	**J**	0.49	0.014	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Calcium	**34000**		490	1.5	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Chromium	**8.6**	**B**	0.49	0.076	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Cobalt	**4.7**	**J**	4.9	0.041	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Copper	**17**		2.4	0.14	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Iron	**13000**		9.8	0.87	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Lead	**7.6**		0.98	0.10	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Magnesium	**9900**		490	2.0	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Manganese	**380**		1.5	0.087	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Nickel	**11**		3.9	0.046	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Potassium	**760**		490	6.3	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Selenium	ND		0.98	0.26	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Silver	ND		0.49	0.040	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Sodium	**78**	**J**	490	1.0	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Thallium	ND		2.0	0.14	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Vanadium	**10**		4.9	0.17	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1
Zinc	**44**	**B**	2.0	0.10	mg/Kg	☼	08/26/14 08:58	08/28/14 17:20	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.011	mg/Kg	☼	08/28/14 10:30	08/28/14 14:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.4**		0.10	0.10	%			08/19/14 14:00	1
Percent Solids	**95**		0.10	0.10	%			08/19/14 14:00	1
Cyanide, Total	ND		0.52	0.15	mg/Kg	☼	08/28/14 09:30	08/28/14 12:09	1

Client Sample ID: DUP-21 Lab Sample ID: 180-35858-28

Date Collected: 08/15/14 00:00 **Matrix: Solid**
Date Received: 08/16/14 09:00 **Percent Solids: 83.6**

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**6.2**	**J**	20	4.9	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Benzene	ND		4.9	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Bromoform	ND		4.9	0.43	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Bromomethane	ND		4.9	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
2-Butanone (MEK)	**1.3**	**J**	4.9	0.86	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Carbon disulfide	ND		4.9	0.50	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Carbon tetrachloride	ND	*	4.9	0.44	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Chlorobenzene	ND		4.9	0.74	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Chlorobromomethane	ND		4.9	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Chlorodibromomethane	ND		4.9	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Chloroethane	ND		4.9	1.5	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Chloroform	ND		4.9	0.57	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Chloromethane	ND		4.9	0.84	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
cis-1,2-Dichloroethene	ND		4.9	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
cis-1,3-Dichloropropene	ND		4.9	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Cyclohexane	ND		4.9	0.36	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1

Client Sample ID: DUP-21 **Lab Sample ID: 180-35858-28**

Date Collected: 08/15/14 00:00 **Matrix: Solid**

Date Received: 08/16/14 09:00 **Percent Solids: 83.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.9	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
1,2-Dibromoethane	ND		4.9	0.85	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
1,2-Dichlorobenzene	ND		4.9	0.78	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
1,3-Dichlorobenzene	ND		4.9	0.64	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
1,4-Dichlorobenzene	ND		4.9	0.62	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Dichlorobromomethane	ND		4.9	0.55	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Dichlorodifluoromethane	ND		4.9	0.65	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
1,1-Dichloroethane	ND		4.9	0.56	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
1,2-Dichloroethane	ND		4.9	0.60	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
1,1-Dichloroethene	ND		4.9	0.83	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
1,2-Dichloropropane	ND		4.9	0.53	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
1,4-Dioxane	ND		980	270	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Ethylbenzene	ND		4.9	0.63	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
2-Hexanone	ND		4.9	0.68	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Isopropylbenzene	ND		4.9	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Methyl acetate	ND		4.9	0.88	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Methylcyclohexane	ND		4.9	0.71	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Methylene Chloride	ND		4.9	0.66	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	0.64	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Methyl tert-butyl ether	ND		4.9	0.73	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
m-Xylene & p-Xylene	ND		9.8	1.4	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
o-Xylene	ND		4.9	0.76	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Styrene	ND		4.9	0.69	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.70	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Tetrachloroethene	ND		4.9	0.67	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Toluene	ND		4.9	0.72	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
trans-1,2-Dichloroethene	ND	*	4.9	0.58	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
trans-1,3-Dichloropropene	ND		4.9	0.59	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
1,2,3-Trichlorobenzene	ND		4.9	0.83	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
1,2,4-Trichlorobenzene	ND		4.9	0.87	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
1,1,1-Trichloroethane	ND	*	4.9	0.48	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
1,1,2-Trichloroethane	ND		4.9	0.82	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Trichloroethene	ND		4.9	0.65	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Trichlorofluoromethane	ND		4.9	0.90	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	4.9	1.0	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1
Vinyl chloride	ND		4.9	0.46	ug/Kg	☼	08/25/14 04:25	08/25/14 14:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/25/14 04:25*	*08/25/14 14:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*63 - 120*	*08/25/14 04:25*	*08/25/14 14:42*	*1*
Dibromofluoromethane (Surr)	*112*		*68 - 121*	*08/25/14 04:25*	*08/25/14 14:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*52 - 124*	*08/25/14 04:25*	*08/25/14 14:42*	*1*
Toluene-d8 (Surr)	*107*		*72 - 127*	*08/25/14 04:25*	*08/25/14 14:42*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	7.7	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Acenaphthylene	ND		80	9.1	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: DUP-21
Date Collected: 08/15/14 00:00
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-28
Matrix: Solid
Percent Solids: 83.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		390	33	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Anthracene	ND		80	7.8	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Atrazine	ND		390	39	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Benzaldehyde	ND		390	60	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Benzo[a]anthracene	ND		80	10	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Benzo[a]pyrene	ND		80	8.0	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Benzo[b]fluoranthene	ND		80	13	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Benzo[g,h,i]perylene	ND		80	7.9	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Benzo[k]fluoranthene	ND		80	16	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
1,1'-Biphenyl	ND		390	36	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Bis(2-chloroethoxy)methane	ND		390	26	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Bis(2-chloroethyl)ether	ND		80	11	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Bis(2-ethylhexyl) phthalate	ND		800	65	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
4-Bromophenyl phenyl ether	ND		390	35	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Butyl benzyl phthalate	ND		390	55	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Caprolactam	ND		2000	300	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Carbazole	ND		80	7.4	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
4-Chloroaniline	ND		390	32	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
4-Chloro-3-methylphenol	ND		390	37	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
2-Chloronaphthalene	ND		80	8.3	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
2-Chlorophenol	ND		390	33	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
4-Chlorophenyl phenyl ether	ND		390	44	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Chrysene	ND		80	9.5	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Dibenz(a,h)anthracene	ND		80	8.9	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Dibenzofuran	ND		390	39	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
3,3'-Dichlorobenzidine	ND		390	42	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
2,4-Dichlorophenol	ND		80	8.0	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Diethyl phthalate	ND		390	44	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
2,4-Dimethylphenol	ND		390	62	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Dimethyl phthalate	ND		390	43	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Di-n-butyl phthalate	ND		390	50	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
4,6-Dinitro-2-methylphenol	ND		2000	160	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
2,4-Dinitrophenol	ND		2000	480	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
2,4-Dinitrotoluene	ND		390	32	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
2,6-Dinitrotoluene	ND		390	41	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Di-n-octyl phthalate	ND		390	42	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
1,4-Dioxane	ND		800	46	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Fluoranthene	ND		80	8.5	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Fluorene	ND		80	11	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Hexachlorobenzene	ND		80	8.5	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Hexachlorobutadiene	ND		80	8.9	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Hexachlorocyclopentadiene	ND		390	43	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Hexachloroethane	ND		390	29	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Indeno[1,2,3-cd]pyrene	ND		80	8.2	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Isophorone	ND		390	30	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
2-Methylnaphthalene	ND		80	7.2	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
2-Methylphenol	ND		390	28	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Methylphenol, 3 & 4	ND		390	39	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Naphthalene	ND		80	6.9	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1

Client Sample Results

Client Sample ID: DUP-21
Date Collected: 08/15/14 00:00
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-28
Matrix: Solid
Percent Solids: 83.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
3-Nitroaniline	ND		2000	160	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
4-Nitroaniline	ND		2000	160	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Nitrobenzene	ND		800	33	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
2-Nitrophenol	ND		390	44	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
4-Nitrophenol	ND		2000	150	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
N-Nitrosodi-n-propylamine	ND		80	9.4	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
N-Nitrosodiphenylamine	ND		390	37	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
2,2'-oxybis[1-chloropropane]	ND		80	8.6	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Pentachlorophenol	ND		390	36	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Phenanthrene	ND		80	13	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Phenol	ND		80	9.4	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
Pyrene	ND		80	8.1	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
1,2,4,5-Tetrachlorobenzene	ND		390	30	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
2,3,4,6-Tetrachlorophenol	ND		390	26	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
2,4,5-Trichlorophenol	ND		390	43	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1
2,4,6-Trichlorophenol	ND		390	60	ug/Kg	☼	08/28/14 16:17	08/29/14 21:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*08/28/14 16:17*	*08/29/14 21:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*35 - 105*	*08/28/14 16:17*	*08/29/14 21:24*	*1*
2-Fluorophenol (Surr)	*56*		*39 - 103*	*08/28/14 16:17*	*08/29/14 21:24*	*1*
Nitrobenzene-d5 (Surr)	*57*		*25 - 104*	*08/28/14 16:17*	*08/29/14 21:24*	*1*
Phenol-d5 (Surr)	*64*		*25 - 105*	*08/28/14 16:17*	*08/29/14 21:24*	*1*
Terphenyl-d14 (Surr)	*68*		*25 - 127*	*08/28/14 16:17*	*08/29/14 21:24*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*35 - 124*	*08/28/14 16:17*	*08/29/14 21:24*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0	0.36	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
alpha-BHC	ND		2.0	0.32	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
alpha-Chlordane	ND		2.0	0.40	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
beta-BHC	ND		2.0	0.52	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
4,4'-DDD	ND		2.0	0.26	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
4,4'-DDE	ND		2.0	0.30	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
4,4'-DDT	ND		2.0	0.30	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
delta-BHC	ND		2.0	0.31	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
Dieldrin	ND		2.0	0.33	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
Endosulfan I	ND		2.0	0.37	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
Endosulfan II	ND		2.0	0.35	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
Endosulfan sulfate	ND		2.0	0.21	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
Endrin	ND		2.0	0.39	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
Endrin aldehyde	ND		2.0	0.39	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
Endrin ketone	ND		2.0	0.31	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
gamma-BHC (Lindane)	ND		2.0	0.35	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
gamma-Chlordane	ND		2.0	0.39	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
Heptachlor	ND		2.0	0.44	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
Heptachlor epoxide	ND		2.0	0.39	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1

Client Sample Results

Client Sample ID: DUP-21
Lab Sample ID: 180-35858-28

Date Collected: 08/15/14 00:00
Matrix: Solid
Date Received: 08/16/14 09:00
Percent Solids: 83.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	ND		3.9	0.42	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1
Toxaphene	ND		80	13	ug/Kg	☼	08/28/14 16:10	08/31/14 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 130*	*08/28/14 16:10*	*08/31/14 15:57*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*08/28/14 16:10*	*08/31/14 15:57*	*1*
Tetrachloro-m-xylene	*98*		*45 - 130*	*08/28/14 16:10*	*08/31/14 15:57*	*1*
Tetrachloro-m-xylene	*96*		*45 - 130*	*08/28/14 16:10*	*08/31/14 15:57*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	3.0	ug/Kg	☼	08/28/14 16:10	09/01/14 05:35	1
PCB-1221	ND		20	3.8	ug/Kg	☼	08/28/14 16:10	09/01/14 05:35	1
PCB-1232	ND		20	3.4	ug/Kg	☼	08/28/14 16:10	09/01/14 05:35	1
PCB-1242	ND		20	3.2	ug/Kg	☼	08/28/14 16:10	09/01/14 05:35	1
PCB-1248	ND		20	1.9	ug/Kg	☼	08/28/14 16:10	09/01/14 05:35	1
PCB-1254	ND		20	2.8	ug/Kg	☼	08/28/14 16:10	09/01/14 05:35	1
PCB-1260	ND		20	2.8	ug/Kg	☼	08/28/14 16:10	09/01/14 05:35	1
PCB-1262	ND		20	4.4	ug/Kg	☼	08/28/14 16:10	09/01/14 05:35	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/28/14 16:10	09/01/14 05:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*	*08/28/14 16:10*	*09/01/14 05:35*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*	*08/28/14 16:10*	*09/01/14 06:07*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*45 - 135*	*08/28/14 16:10*	*09/01/14 05:35*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*45 - 135*	*08/28/14 16:10*	*09/01/14 06:07*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15000**		25	2.6	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Antimony	ND		1.3	0.25	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Arsenic	**9.9**		1.3	0.39	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Barium	**88**		25	0.016	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Beryllium	**0.64**		0.50	0.014	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Cadmium	**0.060**	**J**	0.63	0.018	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Calcium	**1100**		630	1.9	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Chromium	**16**	**B**	0.63	0.097	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Cobalt	**11**		6.3	0.053	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Copper	**18**		3.1	0.18	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Iron	**25000**		13	1.1	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Lead	**15**		1.3	0.13	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Magnesium	**3300**		630	2.6	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Manganese	**540**		1.9	0.11	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Nickel	**21**		5.0	0.060	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Potassium	**2600**		630	8.0	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Selenium	**0.47**	**J**	1.3	0.34	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Silver	ND		0.63	0.051	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Sodium	**220**	**J**	630	1.3	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Thallium	ND		2.5	0.18	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1
Vanadium	**22**		6.3	0.22	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1

Client Sample ID: DUP-21 Lab Sample ID: 180-35858-28

Date Collected: 08/15/14 00:00 **Matrix: Solid**

Date Received: 08/16/14 09:00 **Percent Solids: 83.6**

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	**68**	**B**	2.5	0.13	mg/Kg	☼	08/26/14 08:58	08/28/14 17:26	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**	**J**	0.035	0.012	mg/Kg	☼	08/28/14 10:30	08/28/14 14:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16**		0.10	0.10	%			08/19/14 14:31	1
Percent Solids	**84**		0.10	0.10	%			08/19/14 14:31	1
Cyanide, Total	ND		0.62	0.18	mg/Kg	☼	08/28/14 09:30	08/28/14 12:09	1

Client Sample ID: 20140815-EQUIPMENT BLANK-SOIL Lab Sample ID: 180-35858-29

Date Collected: 08/15/14 13:00 **Matrix: Water**

Date Received: 08/16/14 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/25/14 17:29	1
Benzene	ND		1.0	0.11	ug/L			08/25/14 17:29	1
Bromoform	ND		1.0	0.19	ug/L			08/25/14 17:29	1
Bromomethane	ND		1.0	0.31	ug/L			08/25/14 17:29	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/25/14 17:29	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/25/14 17:29	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/25/14 17:29	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/25/14 17:29	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/25/14 17:29	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/25/14 17:29	1
Chloroethane	ND		1.0	0.21	ug/L			08/25/14 17:29	1
Chloroform	ND		1.0	0.17	ug/L			08/25/14 17:29	1
Chloromethane	ND		1.0	0.28	ug/L			08/25/14 17:29	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/25/14 17:29	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/25/14 17:29	1
Cyclohexane	ND		1.0	0.25	ug/L			08/25/14 17:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/25/14 17:29	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/25/14 17:29	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/25/14 17:29	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/25/14 17:29	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/25/14 17:29	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/25/14 17:29	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/25/14 17:29	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/25/14 17:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/25/14 17:29	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/25/14 17:29	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/25/14 17:29	1
1,4-Dioxane	ND		200	34	ug/L			08/25/14 17:29	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/25/14 17:29	1
2-Hexanone	ND		5.0	0.16	ug/L			08/25/14 17:29	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/25/14 17:29	1
Methyl acetate	ND		1.0	0.14	ug/L			08/25/14 17:29	1

Client Sample ID: 20140815-EQUIPMENT BLANK-SOIL
Date Collected: 08/15/14 13:00
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-29
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		1.0	0.26	ug/L			08/25/14 17:29	1
Methylene Chloride	**0.73**	**J**	1.0	0.13	ug/L			08/25/14 17:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/25/14 17:29	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/25/14 17:29	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/25/14 17:29	1
o-Xylene	ND		1.0	0.11	ug/L			08/25/14 17:29	1
Styrene	ND		1.0	0.097	ug/L			08/25/14 17:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/25/14 17:29	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/25/14 17:29	1
Toluene	ND		1.0	0.15	ug/L			08/25/14 17:29	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/25/14 17:29	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/25/14 17:29	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/25/14 17:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/25/14 17:29	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/25/14 17:29	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/25/14 17:29	1
Trichloroethene	ND		1.0	0.14	ug/L			08/25/14 17:29	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/25/14 17:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/25/14 17:29	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/25/14 17:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl Alcohol	*12*	*T J N*	*ug/L*		*3.63*	*67-63-0*		*08/25/14 17:29*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*3.80*			*08/25/14 17:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 118*		*08/25/14 17:29*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 128*		*08/25/14 17:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*64 - 135*		*08/25/14 17:29*	*1*
Toluene-d8 (Surr)	*107*		*71 - 118*		*08/25/14 17:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.029	ug/L		08/21/14 08:26	08/26/14 19:52	1
Acenaphthylene	ND		0.20	0.022	ug/L		08/21/14 08:26	08/26/14 19:52	1
Acetophenone	ND		2.0	0.11	ug/L		08/21/14 08:26	08/26/14 19:52	1
Anthracene	ND		0.20	0.019	ug/L		08/21/14 08:26	08/26/14 19:52	1
Atrazine	ND		2.0	0.22	ug/L		08/21/14 08:26	08/26/14 19:52	1
Benzaldehyde	ND		2.0	0.11	ug/L		08/21/14 08:26	08/26/14 19:52	1
Benzo[a]anthracene	ND		0.20	0.037	ug/L		08/21/14 08:26	08/26/14 19:52	1
Benzo[a]pyrene	ND		0.20	0.028	ug/L		08/21/14 08:26	08/26/14 19:52	1
Benzo[b]fluoranthene	ND		0.20	0.049	ug/L		08/21/14 08:26	08/26/14 19:52	1
Benzo[g,h,i]perylene	ND		0.20	0.029	ug/L		08/21/14 08:26	08/26/14 19:52	1
Benzo[k]fluoranthene	ND		0.20	0.030	ug/L		08/21/14 08:26	08/26/14 19:52	1
1,1'-Biphenyl	ND		1.0	0.11	ug/L		08/21/14 08:26	08/26/14 19:52	1
Bis(2-chloroethoxy)methane	ND		1.0	0.13	ug/L		08/21/14 08:26	08/26/14 19:52	1
Bis(2-chloroethyl)ether	ND		1.0	0.032	ug/L		08/21/14 08:26	08/26/14 19:52	1
Bis(2-ethylhexyl) phthalate	**6.0**		2.0	0.44	ug/L		08/21/14 08:26	08/26/14 19:52	1
4-Bromophenyl phenyl ether	ND		1.0	0.12	ug/L		08/21/14 08:26	08/26/14 19:52	1
Butyl benzyl phthalate	**0.84**	**J**	1.0	0.21	ug/L		08/21/14 08:26	08/26/14 19:52	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Client Sample ID: 20140815-EQUIPMENT BLANK-SOIL
Date Collected: 08/15/14 13:00
Date Received: 08/16/14 09:00

Lab Sample ID: 180-35858-29
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		5.0	1.5	ug/L		08/21/14 08:26	08/26/14 19:52	1
Carbazole	ND		1.0	0.027	ug/L		08/21/14 08:26	08/26/14 19:52	1
4-Chloroaniline	ND		1.0	0.29	ug/L		08/21/14 08:26	08/26/14 19:52	1
4-Chloro-3-methylphenol	ND		1.0	0.17	ug/L		08/21/14 08:26	08/26/14 19:52	1
2-Chloronaphthalene	ND		0.20	0.031	ug/L		08/21/14 08:26	08/26/14 19:52	1
2-Chlorophenol	ND		1.0	0.23	ug/L		08/21/14 08:26	08/26/14 19:52	1
4-Chlorophenyl phenyl ether	ND		1.0	0.080	ug/L		08/21/14 08:26	08/26/14 19:52	1
Chrysene	ND		0.20	0.031	ug/L		08/21/14 08:26	08/26/14 19:52	1
Dibenz(a,h)anthracene	ND		0.20	0.027	ug/L		08/21/14 08:26	08/26/14 19:52	1
Dibenzofuran	ND		1.0	0.097	ug/L		08/21/14 08:26	08/26/14 19:52	1
3,3'-Dichlorobenzidine	ND		1.0	0.15	ug/L		08/21/14 08:26	08/26/14 19:52	1
2,4-Dichlorophenol	ND		1.0	0.067	ug/L		08/21/14 08:26	08/26/14 19:52	1
Diethyl phthalate	ND		1.0	0.30	ug/L		08/21/14 08:26	08/26/14 19:52	1
2,4-Dimethylphenol	ND		1.0	0.17	ug/L		08/21/14 08:26	08/26/14 19:52	1
Dimethyl phthalate	ND		1.0	0.18	ug/L		08/21/14 08:26	08/26/14 19:52	1
Di-n-butyl phthalate	**0.24**	**J**	1.0	0.24	ug/L		08/21/14 08:26	08/26/14 19:52	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.6	ug/L		08/21/14 08:26	08/26/14 19:52	1
2,4-Dinitrophenol	ND		5.0	2.5	ug/L		08/21/14 08:26	08/26/14 19:52	1
2,4-Dinitrotoluene	ND		1.0	0.21	ug/L		08/21/14 08:26	08/26/14 19:52	1
2,6-Dinitrotoluene	ND		1.0	0.14	ug/L		08/21/14 08:26	08/26/14 19:52	1
Di-n-octyl phthalate	ND		1.0	0.20	ug/L		08/21/14 08:26	08/26/14 19:52	1
1,4-Dioxane	ND		2.0	0.052	ug/L		08/21/14 08:26	08/26/14 19:52	1
Fluoranthene	ND		0.20	0.021	ug/L		08/21/14 08:26	08/26/14 19:52	1
Fluorene	ND		0.20	0.024	ug/L		08/21/14 08:26	08/26/14 19:52	1
Hexachlorobenzene	ND		1.0	0.061	ug/L		08/21/14 08:26	08/26/14 19:52	1
Hexachlorobutadiene	ND		1.0	0.094	ug/L		08/21/14 08:26	08/26/14 19:52	1
Hexachlorocyclopentadiene	ND		1.0	0.14	ug/L		08/21/14 08:26	08/26/14 19:52	1
Hexachloroethane	ND		1.0	0.14	ug/L		08/21/14 08:26	08/26/14 19:52	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		08/21/14 08:26	08/26/14 19:52	1
Isophorone	ND		1.0	0.074	ug/L		08/21/14 08:26	08/26/14 19:52	1
2-Methylnaphthalene	ND		0.20	0.019	ug/L		08/21/14 08:26	08/26/14 19:52	1
2-Methylphenol	ND		1.0	0.19	ug/L		08/21/14 08:26	08/26/14 19:52	1
Methylphenol, 3 & 4	ND		1.0	0.21	ug/L		08/21/14 08:26	08/26/14 19:52	1
Naphthalene	ND		0.20	0.023	ug/L		08/21/14 08:26	08/26/14 19:52	1
2-Nitroaniline	ND		5.0	0.67	ug/L		08/21/14 08:26	08/26/14 19:52	1
3-Nitroaniline	ND		5.0	0.81	ug/L		08/21/14 08:26	08/26/14 19:52	1
4-Nitroaniline	ND		5.0	0.77	ug/L		08/21/14 08:26	08/26/14 19:52	1
Nitrobenzene	ND		2.0	0.15	ug/L		08/21/14 08:26	08/26/14 19:52	1
2-Nitrophenol	ND		1.0	0.11	ug/L		08/21/14 08:26	08/26/14 19:52	1
4-Nitrophenol	ND		5.0	0.80	ug/L		08/21/14 08:26	08/26/14 19:52	1
N-Nitrosodi-n-propylamine	ND		1.0	0.050	ug/L		08/21/14 08:26	08/26/14 19:52	1
N-Nitrosodiphenylamine	ND		1.0	0.12	ug/L		08/21/14 08:26	08/26/14 19:52	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.024	ug/L		08/21/14 08:26	08/26/14 19:52	1
Pentachlorophenol	ND		1.0	0.50	ug/L		08/21/14 08:26	08/26/14 19:52	1
Phenanthrene	ND		0.20	0.042	ug/L		08/21/14 08:26	08/26/14 19:52	1
Phenol	ND		1.0	0.055	ug/L		08/21/14 08:26	08/26/14 19:52	1
Pyrene	ND		0.20	0.023	ug/L		08/21/14 08:26	08/26/14 19:52	1
1,2,4,5-Tetrachlorobenzene	ND		1.0	0.076	ug/L		08/21/14 08:26	08/26/14 19:52	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.11	ug/L		08/21/14 08:26	08/26/14 19:52	1

Client Sample ID: 20140815-EQUIPMENT BLANK-SOIL
Lab Sample ID: 180-35858-29
Date Collected: 08/15/14 13:00
Matrix: Water
Date Received: 08/16/14 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		1.0	0.12	ug/L		08/21/14 08:26	08/26/14 19:52	1
2,4,6-Trichlorophenol	ND		1.0	0.30	ug/L		08/21/14 08:26	08/26/14 19:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1.3*	*T J*	*ug/L*		*1.43*		*08/21/14 08:26*	*08/26/14 19:52*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*4.16*		*08/21/14 08:26*	*08/26/14 19:52*	*1*
Unknown	*0.45*	*T J*	*ug/L*		*10.51*		*08/21/14 08:26*	*08/26/14 19:52*	*1*
Unknown	*0.43*	*T J*	*ug/L*		*10.66*		*08/21/14 08:26*	*08/26/14 19:52*	*1*
Unknown	*0.94*	*T J*	*ug/L*		*10.73*		*08/21/14 08:26*	*08/26/14 19:52*	*1*
Unknown Carboxylic Acid	*5.9*	*T J*	*ug/L*		*11.12*		*08/21/14 08:26*	*08/26/14 19:52*	*1*
Unknown	*0.65*	*T J*	*ug/L*		*11.82*		*08/21/14 08:26*	*08/26/14 19:52*	*1*
Unknown Carboxylic Acid	*0.99*	*T J*	*ug/L*		*12.10*		*08/21/14 08:26*	*08/26/14 19:52*	*1*
Unknown	*1.0*	*T J*	*ug/L*		*14.08*		*08/21/14 08:26*	*08/26/14 19:52*	*1*
Unknown	*0.60*	*T J*	*ug/L*		*16.22*		*08/21/14 08:26*	*08/26/14 19:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*30 - 150*	*08/21/14 08:26*	*08/26/14 19:52*	*1*
2-Fluorophenol (Surr)	*86*		*30 - 150*	*08/21/14 08:26*	*08/26/14 19:52*	*1*
Nitrobenzene-d5 (Surr)	*95*		*30 - 150*	*08/21/14 08:26*	*08/26/14 19:52*	*1*
Phenol-d5 (Surr)	*89*		*30 - 150*	*08/21/14 08:26*	*08/26/14 19:52*	*1*
Terphenyl-d14 (Surr)	*106*		*10 - 150*	*08/21/14 08:26*	*08/26/14 19:52*	*1*
2,4,6-Tribromophenol (Surr)	*87*		*30 - 150*	*08/21/14 08:26*	*08/26/14 19:52*	*1*

Method: 8081B_LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	**0.0021**		0.0013	0.00081	ug/L		08/18/14 14:32	08/20/14 16:12	1
alpha-BHC	ND		0.0013	0.00064	ug/L		08/18/14 14:32	08/20/14 16:12	1
alpha-Chlordane	ND		0.0013	0.00095	ug/L		08/18/14 14:32	08/20/14 16:12	1
beta-BHC	ND		0.0013	0.00097	ug/L		08/18/14 14:32	08/20/14 16:12	1
4,4'-DDD	ND		0.0013	0.00065	ug/L		08/18/14 14:32	08/20/14 16:12	1
4,4'-DDE	ND		0.0013	0.00077	ug/L		08/18/14 14:32	08/20/14 16:12	1
4,4'-DDT	ND		0.0013	0.00072	ug/L		08/18/14 14:32	08/20/14 16:12	1
delta-BHC	ND		0.0013	0.00037	ug/L		08/18/14 14:32	08/20/14 16:12	1
Dieldrin	ND		0.0013	0.00080	ug/L		08/18/14 14:32	08/20/14 16:12	1
Endosulfan I	ND		0.0013	0.00091	ug/L		08/18/14 14:32	08/20/14 16:12	1
Endosulfan II	ND		0.0013	0.00095	ug/L		08/18/14 14:32	08/20/14 16:12	1
Endosulfan sulfate	ND		0.0013	0.00055	ug/L		08/18/14 14:32	08/20/14 16:12	1
Endrin	ND		0.0013	0.00093	ug/L		08/18/14 14:32	08/20/14 16:12	1
Endrin aldehyde	ND		0.0013	0.00087	ug/L		08/18/14 14:32	08/20/14 16:12	1
Endrin ketone	ND		0.0013	0.00089	ug/L		08/18/14 14:32	08/20/14 16:12	1
gamma-BHC (Lindane)	**0.0021**		0.0013	0.00078	ug/L		08/18/14 14:32	08/20/14 16:12	1
gamma-Chlordane	ND		0.0013	0.00093	ug/L		08/18/14 14:32	08/20/14 16:12	1
Heptachlor	ND		0.0013	0.00096	ug/L		08/18/14 14:32	08/20/14 16:12	1
Heptachlor epoxide	ND		0.0013	0.00094	ug/L		08/18/14 14:32	08/20/14 16:12	1
Methoxychlor	ND		0.0024	0.00088	ug/L		08/18/14 14:32	08/20/14 16:12	1
Toxaphene	ND		0.097	0.018	ug/L		08/18/14 14:32	08/20/14 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*45 - 122*	*08/18/14 14:32*	*08/20/14 16:12*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 122*	*08/18/14 14:32*	*08/20/14 16:12*	*1*

Client Sample ID: 20140815-EQUIPMENT BLANK-SOIL

Lab Sample ID: 180-35858-29

Date Collected: 08/15/14 13:00
Matrix: Water
Date Received: 08/16/14 09:00

Method: 8081B_LL - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*60 - 111*	*08/18/14 14:32*	*08/20/14 16:12*	*1*
Tetrachloro-m-xylene	*68*		*60 - 111*	*08/18/14 14:32*	*08/20/14 16:12*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0097	0.0024	ug/L		08/18/14 14:32	08/20/14 23:51	1
PCB-1221	ND		0.0097	0.0024	ug/L		08/18/14 14:32	08/20/14 23:51	1
PCB-1232	ND		0.0097	0.0028	ug/L		08/18/14 14:32	08/20/14 23:51	1
PCB-1242	ND		0.0097	0.0018	ug/L		08/18/14 14:32	08/20/14 23:51	1
PCB-1248	ND		0.0097	0.0022	ug/L		08/18/14 14:32	08/20/14 23:51	1
PCB-1254	ND		0.0097	0.0022	ug/L		08/18/14 14:32	08/20/14 23:51	1
PCB-1260	ND		0.0097	0.0013	ug/L		08/18/14 14:32	08/20/14 23:51	1
PCB-1262	ND		0.0097	0.0020	ug/L		08/18/14 14:32	08/20/14 23:51	1
PCB-1268	ND		0.0097	0.0026	ug/L		08/18/14 14:32	08/20/14 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*60 - 135*	*08/18/14 14:32*	*08/20/14 23:51*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*60 - 135*	*08/18/14 14:32*	*08/21/14 04:02*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*25 - 150*	*08/18/14 14:32*	*08/20/14 23:51*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*25 - 150*	*08/18/14 14:32*	*08/21/14 04:02*	*1*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**58**	**J**	200	42	ug/L		08/19/14 10:06	08/26/14 15:13	1
Antimony	ND		10	2.5	ug/L		08/19/14 10:06	08/26/14 15:13	1
Arsenic	ND		10	3.0	ug/L		08/19/14 10:06	08/26/14 15:13	1
Barium	ND		200	0.19	ug/L		08/19/14 10:06	08/26/14 15:13	1
Beryllium	ND		4.0	0.27	ug/L		08/19/14 10:06	08/26/14 15:13	1
Cadmium	ND		5.0	0.17	ug/L		08/19/14 10:06	08/27/14 15:50	1
Calcium	**120**	**J**	5000	14	ug/L		08/19/14 10:06	08/27/14 15:50	1
Chromium	**9.2**		5.0	1.0	ug/L		08/19/14 10:06	08/27/14 15:50	1
Cobalt	**0.47**	**J**	50	0.39	ug/L		08/19/14 10:06	08/26/14 15:13	1
Copper	**1.2**	**J**	25	0.85	ug/L		08/19/14 10:06	08/26/14 15:13	1
Iron	**2100**		100	5.3	ug/L		08/19/14 10:06	08/26/14 15:13	1
Lead	ND		10	1.5	ug/L		08/19/14 10:06	08/26/14 15:13	1
Magnesium	**15**	**J**	5000	11	ug/L		08/19/14 10:06	08/27/14 15:50	1
Manganese	**18**	**B**	15	0.094	ug/L		08/19/14 10:06	08/27/14 15:50	1
Nickel	**5.7**	**J**	40	0.49	ug/L		08/19/14 10:06	08/26/14 15:13	1
Potassium	**47**	**J**	5000	41	ug/L		08/19/14 10:06	08/26/14 15:13	1
Selenium	ND		10	1.7	ug/L		08/19/14 10:06	08/27/14 15:50	1
Silver	ND		5.0	0.27	ug/L		08/19/14 10:06	08/26/14 15:13	1
Sodium	**52**	**J B**	5000	21	ug/L		08/19/14 10:06	08/26/14 15:13	1
Thallium	ND		20	1.5	ug/L		08/19/14 10:06	08/27/14 15:50	1
Vanadium	ND		50	1.1	ug/L		08/19/14 10:06	08/26/14 15:13	1
Zinc	ND		20	6.0	ug/L		08/19/14 10:06	08/27/14 15:50	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.038	ug/L		08/20/14 10:20	08/20/14 15:05	1

Client Sample ID: 20140815-EQUIPMENT BLANK-SOIL
Lab Sample ID: 180-35858-29
Date Collected: 08/15/14 13:00
Matrix: Water
Date Received: 08/16/14 09:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		10	3.2	ug/L		08/27/14 12:00	08/27/14 14:01	1

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

Lab Sample ID: MB 180-115910/5
Matrix: Water
Analysis Batch: 115910

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/25/14 11:54	1
Benzene	ND		1.0	0.11	ug/L			08/25/14 11:54	1
Bromoform	ND		1.0	0.19	ug/L			08/25/14 11:54	1
Bromomethane	ND		1.0	0.31	ug/L			08/25/14 11:54	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/25/14 11:54	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/25/14 11:54	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/25/14 11:54	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/25/14 11:54	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/25/14 11:54	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/25/14 11:54	1
Chloroethane	ND		1.0	0.21	ug/L			08/25/14 11:54	1
Chloroform	ND		1.0	0.17	ug/L			08/25/14 11:54	1
Chloromethane	ND		1.0	0.28	ug/L			08/25/14 11:54	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/25/14 11:54	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/25/14 11:54	1
Cyclohexane	ND		1.0	0.25	ug/L			08/25/14 11:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/25/14 11:54	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/25/14 11:54	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/25/14 11:54	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/25/14 11:54	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/25/14 11:54	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/25/14 11:54	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/25/14 11:54	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/25/14 11:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/25/14 11:54	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/25/14 11:54	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/25/14 11:54	1
1,4-Dioxane	ND		200	34	ug/L			08/25/14 11:54	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/25/14 11:54	1
2-Hexanone	ND		5.0	0.16	ug/L			08/25/14 11:54	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/25/14 11:54	1
Methyl acetate	ND		1.0	0.14	ug/L			08/25/14 11:54	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/25/14 11:54	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/25/14 11:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/25/14 11:54	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/25/14 11:54	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/25/14 11:54	1
o-Xylene	ND		1.0	0.11	ug/L			08/25/14 11:54	1
Styrene	ND		1.0	0.097	ug/L			08/25/14 11:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/25/14 11:54	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/25/14 11:54	1
Toluene	ND		1.0	0.15	ug/L			08/25/14 11:54	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/25/14 11:54	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/25/14 11:54	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/25/14 11:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/25/14 11:54	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/25/14 11:54	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/25/14 11:54	1

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

Lab Sample ID: MB 180-115910/5
Matrix: Water
Analysis Batch: 115910

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.0	0.14	ug/L			08/25/14 11:54	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/25/14 11:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/25/14 11:54	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/25/14 11:54	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/25/14 11:54*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 118*		*08/25/14 11:54*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 128*		*08/25/14 11:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*64 - 135*		*08/25/14 11:54*	*1*
Toluene-d8 (Surr)	*101*		*71 - 118*		*08/25/14 11:54*	*1*

Lab Sample ID: LCS 180-115910/8
Matrix: Water
Analysis Batch: 115910

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10.0	8.33		ug/L		83	22 - 150
Benzene	10.0	10.3		ug/L		103	80 - 120
Bromoform	10.0	7.50		ug/L		75	46 - 150
Bromomethane	10.0	9.86		ug/L		99	33 - 150
2-Butanone (MEK)	10.0	9.54		ug/L		95	39 - 138
Carbon disulfide	10.0	10.6		ug/L		106	54 - 132
Carbon tetrachloride	10.0	8.14		ug/L		81	55 - 150
Chlorobenzene	10.0	10.6		ug/L		106	80 - 120
Chlorobromomethane	10.0	10.1		ug/L		101	70 - 127
Chlorodibromomethane	10.0	8.62		ug/L		86	60 - 140
Chloroethane	10.0	8.21		ug/L		82	36 - 142
Chloroform	10.0	10.1		ug/L		101	72 - 127
Chloromethane	10.0	8.09		ug/L		81	50 - 139
cis-1,2-Dichloroethene	10.0	9.90		ug/L		99	70 - 120
cis-1,3-Dichloropropene	10.0	9.25		ug/L		93	66 - 120
Cyclohexane	10.0	9.45		ug/L		95	45 - 142
1,2-Dibromo-3-Chloropropane	10.0	8.82		ug/L		88	37 - 133
1,2-Dibromoethane	10.0	10.0		ug/L		100	74 - 123
1,2-Dichlorobenzene	10.0	10.6		ug/L		106	77 - 120
1,3-Dichlorobenzene	10.0	10.5		ug/L		105	76 - 120
1,4-Dichlorobenzene	10.0	10.6		ug/L		106	77 - 120
Dichlorobromomethane	10.0	9.19		ug/L		92	66 - 130
Dichlorodifluoromethane	10.0	7.58		ug/L		76	13 - 150
1,1-Dichloroethane	10.0	9.95		ug/L		100	73 - 126
1,2-Dichloroethane	10.0	9.68		ug/L		97	68 - 132
1,1-Dichloroethene	10.0	9.48		ug/L		95	65 - 136
1,2-Dichloropropane	10.0	9.77		ug/L		98	76 - 124
1,4-Dioxane	200	113	J	ug/L		57	10 - 160

QC Sample Results

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

Lab Sample ID: LCS 180-115910/8
Matrix: Water
Analysis Batch: 115910

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	10.0	10.5		ug/L		105	72 - 126
2-Hexanone	10.0	8.21		ug/L		82	25 - 132
Isopropylbenzene	10.0	10.9		ug/L		109	58 - 130
Methyl acetate	50.0	47.6		ug/L		95	47 - 142
Methylcyclohexane	10.0	9.73		ug/L		97	45 - 145
Methylene Chloride	10.0	9.61		ug/L		96	63 - 129
4-Methyl-2-pentanone (MIBK)	10.0	9.32		ug/L		93	45 - 145
Methyl tert-butyl ether	10.0	10.4		ug/L		104	64 - 123
m-Xylene & p-Xylene	10.0	10.6		ug/L		106	73 - 130
o-Xylene	10.0	10.5		ug/L		105	72 - 124
Styrene	10.0	10.5		ug/L		105	71 - 127
1,1,2,2-Tetrachloroethane	10.0	10.4		ug/L		104	62 - 125
Tetrachloroethene	10.0	10.8		ug/L		108	70 - 135
Toluene	10.0	10.5		ug/L		105	80 - 123
trans-1,2-Dichloroethene	10.0	10.1		ug/L		101	73 - 126
trans-1,3-Dichloropropene	10.0	9.90		ug/L		99	65 - 125
1,2,3-Trichlorobenzene	10.0	9.21		ug/L		92	59 - 127
1,2,4-Trichlorobenzene	10.0	10.0		ug/L		100	60 - 127
1,1,1-Trichloroethane	10.0	9.40		ug/L		94	63 - 133
1,1,2-Trichloroethane	10.0	10.8		ug/L		108	77 - 127
Trichloroethene	10.0	10.7		ug/L		107	73 - 120
Trichlorofluoromethane	10.0	9.32		ug/L		93	44 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.60		ug/L		96	46 - 148
Vinyl chloride	10.0	8.33		ug/L		83	53 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 118*
Dibromofluoromethane (Surr)	*100*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*95*		*64 - 135*
Toluene-d8 (Surr)	*104*		*71 - 118*

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-115538/1-A
Matrix: Solid
Analysis Batch: 115535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Benzene	ND		5.0	0.68	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Bromoform	ND		5.0	0.44	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/21/14 05:34	08/21/14 08:03	1

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

Lab Sample ID: MB 180-115538/1-A
Matrix: Solid
Analysis Batch: 115535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Chloroform	ND		5.0	0.58	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Styrene	ND		5.0	0.71	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Toluene	ND		5.0	0.73	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Trichloroethene	ND		5.0	0.66	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/21/14 05:34	08/21/14 08:03	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/21/14 05:34	08/21/14 08:03	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/21/14 05:34*	*08/21/14 08:03*	*1*

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

Lab Sample ID: MB 180-115538/1-A
Matrix: Solid
Analysis Batch: 115535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115538

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*	*08/21/14 05:34*	*08/21/14 08:03*	*1*
Dibromofluoromethane (Surr)	*101*		*68 - 121*	*08/21/14 05:34*	*08/21/14 08:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*52 - 124*	*08/21/14 05:34*	*08/21/14 08:03*	*1*
Toluene-d8 (Surr)	*97*		*72 - 127*	*08/21/14 05:34*	*08/21/14 08:03*	*1*

Lab Sample ID: LCS 180-115538/2-A
Matrix: Solid
Analysis Batch: 115535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	38.9		ug/Kg		97	20 - 150
Benzene	40.0	39.8		ug/Kg		100	77 - 120
Bromoform	40.0	37.0		ug/Kg		93	53 - 140
Bromomethane	40.0	47.4		ug/Kg		119	25 - 150
2-Butanone (MEK)	40.0	35.0		ug/Kg		88	35 - 149
Carbon disulfide	40.0	42.8		ug/Kg		107	50 - 127
Carbon tetrachloride	40.0	46.0		ug/Kg		115	69 - 122
Chlorobenzene	40.0	39.3		ug/Kg		98	79 - 120
Chlorobromomethane	40.0	42.3		ug/Kg		106	67 - 126
Chlorodibromomethane	40.0	40.7		ug/Kg		102	70 - 132
Chloroethane	40.0	44.4		ug/Kg		111	22 - 150
Chloroform	40.0	43.8		ug/Kg		109	72 - 120
Chloromethane	40.0	45.3		ug/Kg		113	44 - 131
cis-1,2-Dichloroethene	40.0	42.5		ug/Kg		106	80 - 118
cis-1,3-Dichloropropene	40.0	38.2		ug/Kg		96	73 - 120
Cyclohexane	40.0	40.5		ug/Kg		101	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	37.8		ug/Kg		94	35 - 136
1,2-Dibromoethane	40.0	40.7		ug/Kg		102	70 - 131
1,2-Dichlorobenzene	40.0	39.8		ug/Kg		100	71 - 124
1,3-Dichlorobenzene	40.0	39.0		ug/Kg		97	75 - 118
1,4-Dichlorobenzene	40.0	38.8		ug/Kg		97	77 - 116
Dichlorobromomethane	40.0	40.5		ug/Kg		101	70 - 125
Dichlorodifluoromethane	40.0	41.9		ug/Kg		105	25 - 150
1,1-Dichloroethane	40.0	41.7		ug/Kg		104	66 - 124
1,2-Dichloroethane	40.0	45.8		ug/Kg		115	61 - 127
1,1-Dichloroethene	40.0	44.9		ug/Kg		112	59 - 129
1,2-Dichloropropane	40.0	37.9		ug/Kg		95	72 - 122
1,4-Dioxane	800	849	J	ug/Kg		106	10 - 160
Ethylbenzene	40.0	39.1		ug/Kg		98	78 - 125
2-Hexanone	40.0	34.2		ug/Kg		85	32 - 150
Isopropylbenzene	40.0	40.2		ug/Kg		100	70 - 133
Methyl acetate	200	205		ug/Kg		102	27 - 142
Methylcyclohexane	40.0	37.1		ug/Kg		93	66 - 135
Methylene Chloride	40.0	39.7		ug/Kg		99	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	39.2		ug/Kg		98	44 - 148
Methyl tert-butyl ether	40.0	45.4		ug/Kg		114	48 - 132
m-Xylene & p-Xylene	40.0	39.4		ug/Kg		98	75 - 126
o-Xylene	40.0	39.5		ug/Kg		99	83 - 127

QC Sample Results

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

Lab Sample ID: LCS 180-115538/2-A
Matrix: Solid
Analysis Batch: 115535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	40.0	39.8		ug/Kg		100	83 - 129
1,1,2,2-Tetrachloroethane	40.0	38.2		ug/Kg		96	60 - 139
Tetrachloroethene	40.0	38.5		ug/Kg		96	78 - 129
Toluene	40.0	39.2		ug/Kg		98	78 - 124
trans-1,2-Dichloroethene	40.0	43.6		ug/Kg		109	77 - 121
trans-1,3-Dichloropropene	40.0	41.8		ug/Kg		105	74 - 129
1,2,3-Trichlorobenzene	40.0	34.0		ug/Kg		85	37 - 144
1,2,4-Trichlorobenzene	40.0	36.0		ug/Kg		90	51 - 136
1,1,1-Trichloroethane	40.0	46.4		ug/Kg		116	67 - 126
1,1,2-Trichloroethane	40.0	39.8		ug/Kg		99	70 - 128
Trichloroethene	40.0	38.0		ug/Kg		95	76 - 119
Trichlorofluoromethane	40.0	38.0		ug/Kg		95	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	48.2		ug/Kg		121	55 - 130
Vinyl chloride	40.0	41.4		ug/Kg		103	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*63 - 120*
Dibromofluoromethane (Surr)	*100*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 124*
Toluene-d8 (Surr)	*92*		*72 - 127*

Lab Sample ID: 180-35858-15 MS
Matrix: Solid
Analysis Batch: 115535

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		34.8	27.6		ug/Kg	☼	79	20 - 150
Benzene	ND		34.8	32.6		ug/Kg	☼	94	77 - 120
Bromoform	ND		34.8	31.1		ug/Kg	☼	89	53 - 140
Bromomethane	ND		34.8	38.5		ug/Kg	☼	111	25 - 150
2-Butanone (MEK)	ND		34.8	25.0		ug/Kg	☼	72	35 - 149
Carbon disulfide	ND		34.8	34.6		ug/Kg	☼	99	50 - 127
Carbon tetrachloride	ND		34.8	37.6		ug/Kg	☼	108	69 - 122
Chlorobenzene	ND		34.8	31.8		ug/Kg	☼	91	79 - 120
Chlorobromomethane	ND		34.8	33.2		ug/Kg	☼	95	67 - 126
Chlorodibromomethane	ND		34.8	32.3		ug/Kg	☼	93	70 - 132
Chloroethane	ND		34.8	35.8		ug/Kg	☼	103	22 - 150
Chloroform	ND		34.8	34.9		ug/Kg	☼	100	72 - 120
Chloromethane	ND		34.8	35.8		ug/Kg	☼	103	44 - 131
cis-1,2-Dichloroethene	ND		34.8	31.9		ug/Kg	☼	92	80 - 118
cis-1,3-Dichloropropene	ND		34.8	31.3		ug/Kg	☼	90	73 - 120
Cyclohexane	ND		34.8	32.4		ug/Kg	☼	93	64 - 130
1,2-Dibromo-3-Chloropropane	ND		34.8	30.1		ug/Kg	☼	86	35 - 136
1,2-Dibromoethane	ND		34.8	32.3		ug/Kg	☼	93	70 - 131
1,2-Dichlorobenzene	ND		34.8	31.6		ug/Kg	☼	91	71 - 124
1,3-Dichlorobenzene	ND		34.8	32.0		ug/Kg	☼	92	75 - 118
1,4-Dichlorobenzene	ND		34.8	31.7		ug/Kg	☼	91	77 - 116

QC Sample Results

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

Lab Sample ID: 180-35858-15 MS
Matrix: Solid
Analysis Batch: 115535

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorobromomethane	ND		34.8	32.7		ug/Kg	☼	94	70 - 125
Dichlorodifluoromethane	ND		34.8	32.7		ug/Kg	☼	94	25 - 150
1,1-Dichloroethane	ND		34.8	33.4		ug/Kg	☼	96	66 - 124
1,2-Dichloroethane	ND		34.8	36.2		ug/Kg	☼	104	61 - 127
1,1-Dichloroethene	ND		34.8	35.2		ug/Kg	☼	101	59 - 129
1,2-Dichloropropane	ND		34.8	31.3		ug/Kg	☼	90	72 - 122
1,4-Dioxane	ND		696	680	J	ug/Kg	☼	98	10 - 160
Ethylbenzene	ND		34.8	31.9		ug/Kg	☼	92	78 - 125
2-Hexanone	ND		34.8	26.1		ug/Kg	☼	75	32 - 150
Isopropylbenzene	ND		34.8	32.8		ug/Kg	☼	94	70 - 133
Methyl acetate	ND		174	156		ug/Kg	☼	90	27 - 142
Methylcyclohexane	ND		34.8	30.6		ug/Kg	☼	88	66 - 135
Methylene Chloride	ND		34.8	31.8		ug/Kg	☼	91	58 - 127
4-Methyl-2-pentanone (MIBK)	ND		34.8	31.2		ug/Kg	☼	90	44 - 148
Methyl tert-butyl ether	ND		34.8	36.2		ug/Kg	☼	104	48 - 132
m-Xylene & p-Xylene	ND		34.8	32.1		ug/Kg	☼	92	75 - 126
o-Xylene	ND		34.8	32.9		ug/Kg	☼	95	83 - 127
Styrene	ND		34.8	32.9		ug/Kg	☼	95	83 - 129
1,1,2,2-Tetrachloroethane	ND		34.8	30.8		ug/Kg	☼	88	60 - 139
Tetrachloroethene	ND		34.8	31.3		ug/Kg	☼	90	78 - 129
Toluene	ND		34.8	32.5		ug/Kg	☼	93	78 - 124
trans-1,2-Dichloroethene	ND		34.8	33.6		ug/Kg	☼	96	77 - 121
trans-1,3-Dichloropropene	ND		34.8	33.4		ug/Kg	☼	96	74 - 129
1,2,3-Trichlorobenzene	ND		34.8	29.5		ug/Kg	☼	85	37 - 144
1,2,4-Trichlorobenzene	ND		34.8	30.0		ug/Kg	☼	86	51 - 136
1,1,1-Trichloroethane	ND		34.8	37.5		ug/Kg	☼	108	67 - 126
1,1,2-Trichloroethane	ND		34.8	32.3		ug/Kg	☼	93	70 - 128
Trichloroethene	ND		34.8	31.0		ug/Kg	☼	89	76 - 119
Trichlorofluoromethane	ND		34.8	31.2		ug/Kg	☼	90	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		34.8	38.4		ug/Kg	☼	110	55 - 130
Vinyl chloride	ND		34.8	34.2		ug/Kg	☼	98	63 - 124

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*63 - 120*
Dibromofluoromethane (Surr)	*104*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*106*		*52 - 124*
Toluene-d8 (Surr)	*97*		*72 - 127*

Lab Sample ID: 180-35858-15 MSD
Matrix: Solid
Analysis Batch: 115535

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115538

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		34.9	32.0		ug/Kg	☼	92	20 - 150	15	40
Benzene	ND		34.9	35.8		ug/Kg	☼	103	77 - 120	10	20
Bromoform	ND		34.9	33.0		ug/Kg	☼	95	53 - 140	6	23
Bromomethane	ND		34.9	45.0		ug/Kg	☼	129	25 - 150	16	40

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

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

Lab Sample ID: 180-35858-15 MSD
Matrix: Solid
Analysis Batch: 115535

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115538

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Butanone (MEK)	ND		34.9	28.3		ug/Kg	☼	81	35 - 149	12	36
Carbon disulfide	ND		34.9	41.0		ug/Kg	☼	117	50 - 127	17	23
Carbon tetrachloride	ND		34.9	41.6		ug/Kg	☼	119	69 - 122	10	22
Chlorobenzene	ND		34.9	35.6		ug/Kg	☼	102	79 - 120	11	20
Chlorobromomethane	ND		34.9	36.2		ug/Kg	☼	104	67 - 126	9	29
Chlorodibromomethane	ND		34.9	36.1		ug/Kg	☼	103	70 - 132	11	20
Chloroethane	ND		34.9	41.3		ug/Kg	☼	118	22 - 150	14	40
Chloroform	ND		34.9	39.1		ug/Kg	☼	112	72 - 120	11	25
Chloromethane	ND		34.9	39.8		ug/Kg	☼	114	44 - 131	11	27
cis-1,2-Dichloroethene	ND		34.9	36.2		ug/Kg	☼	104	80 - 118	12	20
cis-1,3-Dichloropropene	ND		34.9	34.8		ug/Kg	☼	100	73 - 120	11	20
Cyclohexane	ND		34.9	37.6		ug/Kg	☼	108	64 - 130	15	21
1,2-Dibromo-3-Chloropropane	ND		34.9	33.0		ug/Kg	☼	95	35 - 136	9	40
1,2-Dibromoethane	ND		34.9	35.2		ug/Kg	☼	101	70 - 131	8	20
1,2-Dichlorobenzene	ND		34.9	34.5		ug/Kg	☼	99	71 - 124	9	22
1,3-Dichlorobenzene	ND		34.9	34.7		ug/Kg	☼	99	75 - 118	8	20
1,4-Dichlorobenzene	ND		34.9	35.1		ug/Kg	☼	100	77 - 116	10	20
Dichlorobromomethane	ND		34.9	35.8		ug/Kg	☼	102	70 - 125	9	21
Dichlorodifluoromethane	ND		34.9	37.3		ug/Kg	☼	107	25 - 150	13	34
1,1-Dichloroethane	ND		34.9	37.1		ug/Kg	☼	106	66 - 124	10	23
1,2-Dichloroethane	ND		34.9	38.9		ug/Kg	☼	111	61 - 127	7	23
1,1-Dichloroethene	ND		34.9	40.8		ug/Kg	☼	117	59 - 129	15	25
1,2-Dichloropropane	ND		34.9	34.4		ug/Kg	☼	99	72 - 122	10	20
1,4-Dioxane	ND		698	716	J	ug/Kg	☼	103	10 - 160	5	40
Ethylbenzene	ND		34.9	36.1		ug/Kg	☼	103	78 - 125	12	21
2-Hexanone	ND		34.9	30.5		ug/Kg	☼	87	32 - 150	15	32
Isopropylbenzene	ND		34.9	36.8		ug/Kg	☼	105	70 - 133	11	22
Methyl acetate	ND		175	165		ug/Kg	☼	95	27 - 142	6	40
Methylcyclohexane	ND		34.9	34.3		ug/Kg	☼	98	66 - 135	11	23
Methylene Chloride	ND		34.9	35.0		ug/Kg	☼	100	58 - 127	10	28
4-Methyl-2-pentanone (MIBK)	ND		34.9	33.9		ug/Kg	☼	97	44 - 148	8	30
Methyl tert-butyl ether	ND		34.9	38.9		ug/Kg	☼	111	48 - 132	7	36
m-Xylene & p-Xylene	ND		34.9	35.1		ug/Kg	☼	101	75 - 126	9	21
o-Xylene	ND		34.9	35.7		ug/Kg	☼	102	83 - 127	8	20
Styrene	ND		34.9	36.0		ug/Kg	☼	103	83 - 129	9	20
1,1,2,2-Tetrachloroethane	ND		34.9	34.0		ug/Kg	☼	97	60 - 139	10	24
Tetrachloroethene	ND		34.9	35.6		ug/Kg	☼	102	78 - 129	13	20
Toluene	ND		34.9	35.9		ug/Kg	☼	103	78 - 124	10	21
trans-1,2-Dichloroethene	ND		34.9	38.5		ug/Kg	☼	110	77 - 121	14	20
trans-1,3-Dichloropropene	ND		34.9	37.3		ug/Kg	☼	107	74 - 129	11	20
1,2,3-Trichlorobenzene	ND		34.9	31.4		ug/Kg	☼	90	37 - 144	6	40
1,2,4-Trichlorobenzene	ND		34.9	32.5		ug/Kg	☼	93	51 - 136	8	40
1,1,1-Trichloroethane	ND		34.9	41.9		ug/Kg	☼	120	67 - 126	11	31
1,1,2-Trichloroethane	ND		34.9	34.9		ug/Kg	☼	100	70 - 128	8	22
Trichloroethene	ND		34.9	33.4		ug/Kg	☼	96	76 - 119	7	21
Trichlorofluoromethane	ND		34.9	40.0		ug/Kg	☼	114	20 - 150	25	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		34.9	43.5		ug/Kg	☼	125	55 - 130	13	37

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

Lab Sample ID: 180-35858-15 MSD
Matrix: Solid
Analysis Batch: 115535

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 115538

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride	ND		34.9	38.8		ug/Kg	☼	111	63 - 124	13	27

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*63 - 120*
Dibromofluoromethane (Surr)	*100*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 124*
Toluene-d8 (Surr)	*95*		*72 - 127*

Lab Sample ID: MB 180-115669/1-A
Matrix: Solid
Analysis Batch: 115665

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Benzene	ND		5.0	0.68	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Bromoform	ND		5.0	0.44	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Chloroform	ND		5.0	0.58	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/22/14 04:01	08/22/14 06:55	1

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

Lab Sample ID: MB 180-115669/1-A
Matrix: Solid
Analysis Batch: 115665

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Styrene	ND		5.0	0.71	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Toluene	ND		5.0	0.73	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Trichloroethene	ND		5.0	0.66	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/22/14 04:01	08/22/14 06:55	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/22/14 04:01	08/22/14 06:55	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/22/14 04:01*	*08/22/14 06:55*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*63 - 120*	*08/22/14 04:01*	*08/22/14 06:55*	*1*
Dibromofluoromethane (Surr)	*101*		*68 - 121*	*08/22/14 04:01*	*08/22/14 06:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*52 - 124*	*08/22/14 04:01*	*08/22/14 06:55*	*1*
Toluene-d8 (Surr)	*94*		*72 - 127*	*08/22/14 04:01*	*08/22/14 06:55*	*1*

Lab Sample ID: LCS 180-115669/2-A
Matrix: Solid
Analysis Batch: 115665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115669

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	36.7		ug/Kg		92	20 - 150
Benzene	40.0	39.6		ug/Kg		99	77 - 120
Bromoform	40.0	38.8		ug/Kg		97	53 - 140
Bromomethane	40.0	44.1		ug/Kg		110	25 - 150
2-Butanone (MEK)	40.0	32.0		ug/Kg		80	35 - 149
Carbon disulfide	40.0	43.9		ug/Kg		110	50 - 127
Carbon tetrachloride	40.0	45.1		ug/Kg		113	69 - 122
Chlorobenzene	40.0	38.6		ug/Kg		96	79 - 120
Chlorobromomethane	40.0	41.4		ug/Kg		104	67 - 126
Chlorodibromomethane	40.0	41.7		ug/Kg		104	70 - 132
Chloroethane	40.0	43.7		ug/Kg		109	22 - 150
Chloroform	40.0	43.0		ug/Kg		107	72 - 120
Chloromethane	40.0	41.5		ug/Kg		104	44 - 131
cis-1,2-Dichloroethene	40.0	41.3		ug/Kg		103	80 - 118
cis-1,3-Dichloropropene	40.0	39.3		ug/Kg		98	73 - 120

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

Lab Sample ID: LCS 180-115669/2-A
Matrix: Solid
Analysis Batch: 115665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115669

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyclohexane	40.0	39.5		ug/Kg		99	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	34.6		ug/Kg		86	35 - 136
1,2-Dibromoethane	40.0	39.7		ug/Kg		99	70 - 131
1,2-Dichlorobenzene	40.0	37.8		ug/Kg		95	71 - 124
1,3-Dichlorobenzene	40.0	38.5		ug/Kg		96	75 - 118
1,4-Dichlorobenzene	40.0	37.8		ug/Kg		95	77 - 116
Dichlorobromomethane	40.0	40.1		ug/Kg		100	70 - 125
Dichlorodifluoromethane	40.0	39.2		ug/Kg		98	25 - 150
1,1-Dichloroethane	40.0	40.8		ug/Kg		102	66 - 124
1,2-Dichloroethane	40.0	43.8		ug/Kg		109	61 - 127
1,1-Dichloroethene	40.0	44.0		ug/Kg		110	59 - 129
1,2-Dichloropropane	40.0	38.5		ug/Kg		96	72 - 122
1,4-Dioxane	800	847	J	ug/Kg		106	10 - 160
Ethylbenzene	40.0	38.0		ug/Kg		95	78 - 125
2-Hexanone	40.0	33.8		ug/Kg		84	32 - 150
Isopropylbenzene	40.0	38.6		ug/Kg		96	70 - 133
Methyl acetate	200	194		ug/Kg		97	27 - 142
Methylcyclohexane	40.0	38.4		ug/Kg		96	66 - 135
Methylene Chloride	40.0	38.6		ug/Kg		97	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	37.2		ug/Kg		93	44 - 148
Methyl tert-butyl ether	40.0	46.1		ug/Kg		115	48 - 132
m-Xylene & p-Xylene	40.0	37.6		ug/Kg		94	75 - 126
o-Xylene	40.0	38.8		ug/Kg		97	83 - 127
Styrene	40.0	38.7		ug/Kg		97	83 - 129
1,1,2,2-Tetrachloroethane	40.0	37.3		ug/Kg		93	60 - 139
Tetrachloroethene	40.0	38.2		ug/Kg		95	78 - 129
Toluene	40.0	38.4		ug/Kg		96	78 - 124
trans-1,2-Dichloroethene	40.0	41.9		ug/Kg		105	77 - 121
trans-1,3-Dichloropropene	40.0	41.5		ug/Kg		104	74 - 129
1,2,3-Trichlorobenzene	40.0	31.9		ug/Kg		80	37 - 144
1,2,4-Trichlorobenzene	40.0	33.4		ug/Kg		84	51 - 136
1,1,1-Trichloroethane	40.0	45.8		ug/Kg		114	67 - 126
1,1,2-Trichloroethane	40.0	39.0		ug/Kg		98	70 - 128
Trichloroethene	40.0	37.7		ug/Kg		94	76 - 119
Trichlorofluoromethane	40.0	40.2		ug/Kg		101	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	47.5		ug/Kg		119	55 - 130
Vinyl chloride	40.0	39.7		ug/Kg		99	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*
Dibromofluoromethane (Surr)	*104*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*106*		*52 - 124*
Toluene-d8 (Surr)	*95*		*72 - 127*

QC Sample Results

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

Lab Sample ID: 180-35858-4 MS
Matrix: Solid
Analysis Batch: 115665

Client Sample ID: SSHS-B72-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115669

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		38.7	27.4		ug/Kg	☼	71	20 - 150
Benzene	ND		38.7	36.3		ug/Kg	☼	94	77 - 120
Bromoform	ND		38.7	33.6		ug/Kg	☼	87	53 - 140
Bromomethane	ND		38.7	45.7		ug/Kg	☼	118	25 - 150
2-Butanone (MEK)	ND		38.7	25.3		ug/Kg	☼	65	35 - 149
Carbon disulfide	ND		38.7	40.2		ug/Kg	☼	104	50 - 127
Carbon tetrachloride	ND		38.7	40.2		ug/Kg	☼	104	69 - 122
Chlorobenzene	ND		38.7	35.3		ug/Kg	☼	91	79 - 120
Chlorobromomethane	ND		38.7	37.3		ug/Kg	☼	96	67 - 126
Chlorodibromomethane	ND		38.7	37.0		ug/Kg	☼	96	70 - 132
Chloroethane	ND		38.7	45.8		ug/Kg	☼	118	22 - 150
Chloroform	ND		38.7	39.0		ug/Kg	☼	101	72 - 120
Chloromethane	ND		38.7	43.2		ug/Kg	☼	112	44 - 131
cis-1,2-Dichloroethene	ND		38.7	37.4		ug/Kg	☼	97	80 - 118
cis-1,3-Dichloropropene	ND		38.7	35.3		ug/Kg	☼	91	73 - 120
Cyclohexane	ND		38.7	35.5		ug/Kg	☼	92	64 - 130
1,2-Dibromo-3-Chloropropane	ND		38.7	32.9		ug/Kg	☼	85	35 - 136
1,2-Dibromoethane	ND		38.7	35.9		ug/Kg	☼	93	70 - 131
1,2-Dichlorobenzene	ND		38.7	35.8		ug/Kg	☼	92	71 - 124
1,3-Dichlorobenzene	ND		38.7	36.3		ug/Kg	☼	94	75 - 118
1,4-Dichlorobenzene	ND		38.7	35.1		ug/Kg	☼	91	77 - 116
Dichlorobromomethane	ND		38.7	36.1		ug/Kg	☼	93	70 - 125
Dichlorodifluoromethane	ND		38.7	41.6		ug/Kg	☼	107	25 - 150
1,1-Dichloroethane	ND		38.7	37.2		ug/Kg	☼	96	66 - 124
1,2-Dichloroethane	ND		38.7	38.5		ug/Kg	☼	99	61 - 127
1,1-Dichloroethene	ND		38.7	39.3		ug/Kg	☼	102	59 - 129
1,2-Dichloropropane	ND		38.7	34.5		ug/Kg	☼	89	72 - 122
1,4-Dioxane	ND		774	761	J	ug/Kg	☼	98	10 - 160
Ethylbenzene	ND		38.7	35.3		ug/Kg	☼	91	78 - 125
2-Hexanone	ND		38.7	26.5		ug/Kg	☼	68	32 - 150
Isopropylbenzene	ND		38.7	36.1		ug/Kg	☼	93	70 - 133
Methyl acetate	ND		193	162		ug/Kg	☼	84	27 - 142
Methylcyclohexane	ND		38.7	33.7		ug/Kg	☼	87	66 - 135
Methylene Chloride	ND		38.7	34.6		ug/Kg	☼	90	58 - 127
4-Methyl-2-pentanone (MIBK)	ND		38.7	32.1		ug/Kg	☼	83	44 - 148
Methyl tert-butyl ether	ND		38.7	39.7		ug/Kg	☼	103	48 - 132
m-Xylene & p-Xylene	ND		38.7	34.9		ug/Kg	☼	90	75 - 126
o-Xylene	ND		38.7	35.4		ug/Kg	☼	92	83 - 127
Styrene	ND		38.7	35.8		ug/Kg	☼	93	83 - 129
1,1,2,2-Tetrachloroethane	ND		38.7	32.0		ug/Kg	☼	83	60 - 139
Tetrachloroethene	ND		38.7	35.4		ug/Kg	☼	92	78 - 129
Toluene	ND		38.7	35.7		ug/Kg	☼	92	78 - 124
trans-1,2-Dichloroethene	ND		38.7	38.4		ug/Kg	☼	99	77 - 121
trans-1,3-Dichloropropene	ND		38.7	37.6		ug/Kg	☼	97	74 - 129
1,2,3-Trichlorobenzene	ND		38.7	29.9		ug/Kg	☼	77	37 - 144
1,2,4-Trichlorobenzene	ND		38.7	32.0		ug/Kg	☼	83	51 - 136
1,1,1-Trichloroethane	ND		38.7	42.3		ug/Kg	☼	109	67 - 126
1,1,2-Trichloroethane	ND		38.7	34.9		ug/Kg	☼	90	70 - 128

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

Lab Sample ID: 180-35858-4 MS **Client Sample ID: SSHS-B72-6-10 (8)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115665 **Prep Batch: 115669**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	ND		38.7	33.1		ug/Kg	☼	86	76 - 119
Trichlorofluoromethane	ND		38.7	42.1		ug/Kg	☼	109	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		38.7	43.0		ug/Kg	☼	111	55 - 130
Vinyl chloride	ND		38.7	43.0		ug/Kg	☼	111	63 - 124

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*63 - 120*
Dibromofluoromethane (Surr)	*97*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*98*		*52 - 124*
Toluene-d8 (Surr)	*91*		*72 - 127*

Lab Sample ID: 180-35858-4 MSD **Client Sample ID: SSHS-B72-6-10 (8)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115665 **Prep Batch: 115669**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		36.7	29.1		ug/Kg	☼	79	20 - 150	6	40
Benzene	ND		36.7	35.7		ug/Kg	☼	97	77 - 120	2	20
Bromoform	ND		36.7	33.1		ug/Kg	☼	90	53 - 140	2	23
Bromomethane	ND		36.7	46.6		ug/Kg	☼	127	25 - 150	2	40
2-Butanone (MEK)	ND		36.7	25.6		ug/Kg	☼	70	35 - 149	1	36
Carbon disulfide	ND		36.7	44.8		ug/Kg	☼	122	50 - 127	11	23
Carbon tetrachloride	ND		36.7	42.3		ug/Kg	☼	115	69 - 122	5	22
Chlorobenzene	ND		36.7	34.8		ug/Kg	☼	95	79 - 120	1	20
Chlorobromomethane	ND		36.7	37.5		ug/Kg	☼	102	67 - 126	1	29
Chlorodibromomethane	ND		36.7	35.0		ug/Kg	☼	95	70 - 132	5	20
Chloroethane	ND		36.7	45.0		ug/Kg	☼	122	22 - 150	2	40
Chloroform	ND		36.7	38.6		ug/Kg	☼	105	72 - 120	1	25
Chloromethane	ND		36.7	45.1		ug/Kg	☼	123	44 - 131	4	27
cis-1,2-Dichloroethene	ND		36.7	36.9		ug/Kg	☼	100	80 - 118	2	20
cis-1,3-Dichloropropene	ND		36.7	33.6		ug/Kg	☼	91	73 - 120	5	20
Cyclohexane	ND		36.7	37.6		ug/Kg	☼	102	64 - 130	6	21
1,2-Dibromo-3-Chloropropane	ND		36.7	31.2		ug/Kg	☼	85	35 - 136	5	40
1,2-Dibromoethane	ND		36.7	36.3		ug/Kg	☼	99	70 - 131	1	20
1,2-Dichlorobenzene	ND		36.7	33.8		ug/Kg	☼	92	71 - 124	6	22
1,3-Dichlorobenzene	ND		36.7	34.8		ug/Kg	☼	95	75 - 118	4	20
1,4-Dichlorobenzene	ND		36.7	34.5		ug/Kg	☼	94	77 - 116	2	20
Dichlorobromomethane	ND		36.7	34.7		ug/Kg	☼	95	70 - 125	4	21
Dichlorodifluoromethane	ND		36.7	43.7		ug/Kg	☼	119	25 - 150	5	34
1,1-Dichloroethane	ND		36.7	37.5		ug/Kg	☼	102	66 - 124	1	23
1,2-Dichloroethane	ND		36.7	37.8		ug/Kg	☼	103	61 - 127	2	23
1,1-Dichloroethene	ND		36.7	42.3		ug/Kg	☼	115	59 - 129	7	25
1,2-Dichloropropane	ND		36.7	33.1		ug/Kg	☼	90	72 - 122	4	20
1,4-Dioxane	ND		734	638	J	ug/Kg	☼	87	10 - 160	18	40
Ethylbenzene	ND		36.7	35.3		ug/Kg	☼	96	78 - 125	0	21
2-Hexanone	ND		36.7	27.9		ug/Kg	☼	76	32 - 150	5	32
Isopropylbenzene	ND		36.7	36.3		ug/Kg	☼	99	70 - 133	1	22

QC Sample Results

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

Lab Sample ID: 180-35858-4 MSD
Matrix: Solid
Analysis Batch: 115665

Client Sample ID: SSHS-B72-6-10 (8)
Prep Type: Total/NA
Prep Batch: 115669

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl acetate	ND		184	164		ug/Kg	☼	90	27 - 142	1	40
Methylcyclohexane	ND		36.7	36.0		ug/Kg	☼	98	66 - 135	6	23
Methylene Chloride	ND		36.7	34.5		ug/Kg	☼	94	58 - 127	1	28
4-Methyl-2-pentanone (MIBK)	ND		36.7	32.5		ug/Kg	☼	89	44 - 148	1	30
Methyl tert-butyl ether	ND		36.7	40.2		ug/Kg	☼	109	48 - 132	1	36
m-Xylene & p-Xylene	ND		36.7	34.9		ug/Kg	☼	95	75 - 126	0	21
o-Xylene	ND		36.7	35.1		ug/Kg	☼	96	83 - 127	1	20
Styrene	ND		36.7	35.0		ug/Kg	☼	95	83 - 129	2	20
1,1,2,2-Tetrachloroethane	ND		36.7	33.0		ug/Kg	☼	90	60 - 139	3	24
Tetrachloroethene	ND		36.7	34.8		ug/Kg	☼	95	78 - 129	2	20
Toluene	ND		36.7	35.1		ug/Kg	☼	96	78 - 124	2	21
trans-1,2-Dichloroethene	ND		36.7	40.1		ug/Kg	☼	109	77 - 121	4	20
trans-1,3-Dichloropropene	ND		36.7	36.5		ug/Kg	☼	99	74 - 129	3	20
1,2,3-Trichlorobenzene	ND		36.7	29.3		ug/Kg	☼	80	37 - 144	2	40
1,2,4-Trichlorobenzene	ND		36.7	30.5		ug/Kg	☼	83	51 - 136	5	40
1,1,1-Trichloroethane	ND		36.7	44.2		ug/Kg	☼	120	67 - 126	4	31
1,1,2-Trichloroethane	ND		36.7	34.3		ug/Kg	☼	93	70 - 128	2	22
Trichloroethene	ND		36.7	33.8		ug/Kg	☼	92	76 - 119	2	21
Trichlorofluoromethane	ND		36.7	46.9		ug/Kg	☼	128	20 - 150	11	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		36.7	45.4		ug/Kg	☼	124	55 - 130	5	37
Vinyl chloride	ND		36.7	45.8	F1	ug/Kg	☼	125	63 - 124	6	27

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*80*		*63 - 120*
Dibromofluoromethane (Surr)	*86*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*88*		*52 - 124*
Toluene-d8 (Surr)	*82*		*72 - 127*

Lab Sample ID: MB 180-115779/1-A
Matrix: Solid
Analysis Batch: 115777

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115779

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Benzene	ND		5.0	0.68	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Bromoform	ND		5.0	0.44	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Chloroform	ND		5.0	0.58	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/22/14 20:52	08/22/14 23:17	1

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

Lab Sample ID: MB 180-115779/1-A
Matrix: Solid
Analysis Batch: 115777

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115779

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Styrene	ND		5.0	0.71	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Toluene	ND		5.0	0.73	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Trichloroethene	ND		5.0	0.66	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/22/14 20:52	08/22/14 23:17	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/22/14 20:52	08/22/14 23:17	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/22/14 20:52*	*08/22/14 23:17*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*63 - 120*	*08/22/14 20:52*	*08/22/14 23:17*	*1*
Dibromofluoromethane (Surr)	*103*		*68 - 121*	*08/22/14 20:52*	*08/22/14 23:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*52 - 124*	*08/22/14 20:52*	*08/22/14 23:17*	*1*
Toluene-d8 (Surr)	*95*		*72 - 127*	*08/22/14 20:52*	*08/22/14 23:17*	*1*

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

Lab Sample ID: LCS 180-115779/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115777
Prep Batch: 115779

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	36.2		ug/Kg		90	20 - 150
Benzene	40.0	39.6		ug/Kg		99	77 - 120
Bromoform	40.0	38.5		ug/Kg		96	53 - 140
Bromomethane	40.0	46.1		ug/Kg		115	25 - 150
2-Butanone (MEK)	40.0	32.0		ug/Kg		80	35 - 149
Carbon disulfide	40.0	43.9		ug/Kg		110	50 - 127
Carbon tetrachloride	40.0	46.6		ug/Kg		117	69 - 122
Chlorobenzene	40.0	38.7		ug/Kg		97	79 - 120
Chlorobromomethane	40.0	41.8		ug/Kg		105	67 - 126
Chlorodibromomethane	40.0	41.1		ug/Kg		103	70 - 132
Chloroethane	40.0	44.4		ug/Kg		111	22 - 150
Chloroform	40.0	45.3		ug/Kg		113	72 - 120
Chloromethane	40.0	46.0		ug/Kg		115	44 - 131
cis-1,2-Dichloroethene	40.0	40.8		ug/Kg		102	80 - 118
cis-1,3-Dichloropropene	40.0	38.1		ug/Kg		95	73 - 120
Cyclohexane	40.0	41.9		ug/Kg		105	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	36.8		ug/Kg		92	35 - 136
1,2-Dibromoethane	40.0	39.7		ug/Kg		99	70 - 131
1,2-Dichlorobenzene	40.0	37.8		ug/Kg		95	71 - 124
1,3-Dichlorobenzene	40.0	38.5		ug/Kg		96	75 - 118
1,4-Dichlorobenzene	40.0	38.5		ug/Kg		96	77 - 116
Dichlorobromomethane	40.0	40.7		ug/Kg		102	70 - 125
Dichlorodifluoromethane	40.0	40.8		ug/Kg		102	25 - 150
1,1-Dichloroethane	40.0	42.3		ug/Kg		106	66 - 124
1,2-Dichloroethane	40.0	44.2		ug/Kg		110	61 - 127
1,1-Dichloroethene	40.0	44.7		ug/Kg		112	59 - 129
1,2-Dichloropropane	40.0	38.3		ug/Kg		96	72 - 122
1,4-Dioxane	800	886	J	ug/Kg		111	10 - 160
Ethylbenzene	40.0	39.0		ug/Kg		97	78 - 125
2-Hexanone	40.0	34.8		ug/Kg		87	32 - 150
Isopropylbenzene	40.0	40.3		ug/Kg		101	70 - 133
Methyl acetate	200	202		ug/Kg		101	27 - 142
Methylcyclohexane	40.0	37.8		ug/Kg		95	66 - 135
Methylene Chloride	40.0	36.6		ug/Kg		91	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	39.0		ug/Kg		98	44 - 148
Methyl tert-butyl ether	40.0	45.0		ug/Kg		113	48 - 132
m-Xylene & p-Xylene	40.0	38.0		ug/Kg		95	75 - 126
o-Xylene	40.0	38.6		ug/Kg		96	83 - 127
Styrene	40.0	39.2		ug/Kg		98	83 - 129
1,1,2,2-Tetrachloroethane	40.0	37.1		ug/Kg		93	60 - 139
Tetrachloroethene	40.0	37.7		ug/Kg		94	78 - 129
Toluene	40.0	38.4		ug/Kg		96	78 - 124
trans-1,2-Dichloroethene	40.0	49.4	*	ug/Kg		123	77 - 121
trans-1,3-Dichloropropene	40.0	40.8		ug/Kg		102	74 - 129
1,2,3-Trichlorobenzene	40.0	34.0		ug/Kg		85	37 - 144
1,2,4-Trichlorobenzene	40.0	35.8		ug/Kg		90	51 - 136
1,1,1-Trichloroethane	40.0	48.2		ug/Kg		121	67 - 126
1,1,2-Trichloroethane	40.0	38.7		ug/Kg		97	70 - 128

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

Lab Sample ID: LCS 180-115779/2-A
Matrix: Solid
Analysis Batch: 115777

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115779

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	40.0	37.5		ug/Kg		94	76 - 119
Trichlorofluoromethane	40.0	42.9		ug/Kg		107	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	47.8		ug/Kg		120	55 - 130
Vinyl chloride	40.0	40.1		ug/Kg		100	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*63 - 120*
Dibromofluoromethane (Surr)	*104*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*107*		*52 - 124*
Toluene-d8 (Surr)	*92*		*72 - 127*

Lab Sample ID: LCSD 180-115779/3-A
Matrix: Solid
Analysis Batch: 115777

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115779

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	40.0	40.1		ug/Kg		100	20 - 150	10	40
Benzene	40.0	42.4		ug/Kg		106	77 - 120	7	20
Bromoform	40.0	42.4		ug/Kg		106	53 - 140	10	23
Bromomethane	40.0	48.9		ug/Kg		122	25 - 150	6	40
2-Butanone (MEK)	40.0	34.2		ug/Kg		86	35 - 149	7	36
Carbon disulfide	40.0	47.8		ug/Kg		120	50 - 127	8	23
Carbon tetrachloride	40.0	50.6	*	ug/Kg		127	69 - 122	8	22
Chlorobenzene	40.0	41.1		ug/Kg		103	79 - 120	6	20
Chlorobromomethane	40.0	45.3		ug/Kg		113	67 - 126	8	29
Chlorodibromomethane	40.0	43.2		ug/Kg		108	70 - 132	5	20
Chloroethane	40.0	47.3		ug/Kg		118	22 - 150	6	40
Chloroform	40.0	47.2		ug/Kg		118	72 - 120	4	25
Chloromethane	40.0	47.8		ug/Kg		119	44 - 131	4	27
cis-1,2-Dichloroethene	40.0	43.2		ug/Kg		108	80 - 118	6	20
cis-1,3-Dichloropropene	40.0	40.8		ug/Kg		102	73 - 120	7	20
Cyclohexane	40.0	45.2		ug/Kg		113	64 - 130	7	21
1,2-Dibromo-3-Chloropropane	40.0	38.2		ug/Kg		96	35 - 136	4	40
1,2-Dibromoethane	40.0	41.8		ug/Kg		105	70 - 131	5	20
1,2-Dichlorobenzene	40.0	41.0		ug/Kg		102	71 - 124	8	22
1,3-Dichlorobenzene	40.0	41.0		ug/Kg		102	75 - 118	6	20
1,4-Dichlorobenzene	40.0	41.2		ug/Kg		103	77 - 116	7	20
Dichlorobromomethane	40.0	43.1		ug/Kg		108	70 - 125	6	21
Dichlorodifluoromethane	40.0	44.1		ug/Kg		110	25 - 150	8	34
1,1-Dichloroethane	40.0	45.8		ug/Kg		114	66 - 124	8	23
1,2-Dichloroethane	40.0	47.6		ug/Kg		119	61 - 127	7	23
1,1-Dichloroethene	40.0	45.0		ug/Kg		112	59 - 129	1	25
1,2-Dichloropropane	40.0	40.4		ug/Kg		101	72 - 122	5	20
1,4-Dioxane	800	875	J	ug/Kg		109	10 - 160	1	40
Ethylbenzene	40.0	40.5		ug/Kg		101	78 - 125	4	21
2-Hexanone	40.0	36.1		ug/Kg		90	32 - 150	4	32
Isopropylbenzene	40.0	42.4		ug/Kg		106	70 - 133	5	22

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

Lab Sample ID: LCSD 180-115779/3-A
Matrix: Solid
Analysis Batch: 115777

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115779

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl acetate	200	216		ug/Kg		108	27 - 142	7	40
Methylcyclohexane	40.0	40.8		ug/Kg		102	66 - 135	8	23
Methylene Chloride	40.0	39.3		ug/Kg		98	58 - 127	7	28
4-Methyl-2-pentanone (MIBK)	40.0	42.0		ug/Kg		105	44 - 148	7	30
Methyl tert-butyl ether	40.0	49.3		ug/Kg		123	48 - 132	9	36
m-Xylene & p-Xylene	40.0	40.0		ug/Kg		100	75 - 126	5	21
o-Xylene	40.0	40.9		ug/Kg		102	83 - 127	6	20
Styrene	40.0	41.6		ug/Kg		104	83 - 129	6	20
1,1,2,2-Tetrachloroethane	40.0	40.0		ug/Kg		100	60 - 139	8	24
Tetrachloroethene	40.0	40.5		ug/Kg		101	78 - 129	7	20
Toluene	40.0	40.5		ug/Kg		101	78 - 124	5	21
trans-1,2-Dichloroethene	40.0	53.4	*	ug/Kg		134	77 - 121	8	20
trans-1,3-Dichloropropene	40.0	43.9		ug/Kg		110	74 - 129	7	20
1,2,3-Trichlorobenzene	40.0	38.5		ug/Kg		96	37 - 144	12	40
1,2,4-Trichlorobenzene	40.0	40.2		ug/Kg		101	51 - 136	12	40
1,1,1-Trichloroethane	40.0	51.9	*	ug/Kg		130	67 - 126	7	31
1,1,2-Trichloroethane	40.0	40.5		ug/Kg		101	70 - 128	5	22
Trichloroethene	40.0	40.6		ug/Kg		102	76 - 119	8	21
Trichlorofluoromethane	40.0	44.2		ug/Kg		110	20 - 150	3	40
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	52.3	*	ug/Kg		131	55 - 130	9	37
Vinyl chloride	40.0	45.3		ug/Kg		113	63 - 124	12	27

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*63 - 120*
Dibromofluoromethane (Surr)	*108*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*114*		*52 - 124*
Toluene-d8 (Surr)	*96*		*72 - 127*

Lab Sample ID: MB 180-115842/1-A
Matrix: Solid
Analysis Batch: 115898

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20000	5000	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Benzene	ND		5000	990	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Bromoform	ND		5000	1100	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Bromomethane	ND		5000	1600	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
2-Butanone (MEK)	ND		5000	1100	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Carbon disulfide	ND		5000	1100	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Carbon tetrachloride	ND		5000	1100	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Chlorobenzene	ND		5000	530	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Chlorobromomethane	ND		5000	1000	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Chlorodibromomethane	ND		5000	650	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Chloroethane	ND		5000	750	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Chloroform	ND		5000	1000	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Chloromethane	ND		5000	1400	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
cis-1,2-Dichloroethene	ND		5000	670	ug/Kg		08/24/14 10:06	08/25/14 11:52	1

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

Lab Sample ID: MB 180-115842/1-A
Matrix: Solid
Analysis Batch: 115898

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5000	730	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Cyclohexane	ND		5000	600	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,2-Dibromo-3-Chloropropane	ND		5000	350	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,2-Dibromoethane	ND		5000	610	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,2-Dichlorobenzene	ND		5000	680	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,3-Dichlorobenzene	ND		5000	510	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,4-Dichlorobenzene	ND		5000	530	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Dichlorobromomethane	ND		5000	930	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Dichlorodifluoromethane	ND		5000	640	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,1-Dichloroethane	ND		5000	1000	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,2-Dichloroethane	ND		5000	960	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,1-Dichloroethene	ND		5000	1100	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,2-Dichloropropane	ND		5000	1300	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,4-Dioxane	ND		1000000	98000	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Ethylbenzene	ND		5000	620	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
2-Hexanone	ND		5000	570	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Isopropylbenzene	ND		5000	530	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Methyl acetate	ND		5000	1200	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Methylcyclohexane	ND		5000	560	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Methylene Chloride	ND		5000	1100	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
4-Methyl-2-pentanone (MIBK)	ND		5000	590	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Methyl tert-butyl ether	ND		5000	1000	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
m-Xylene & p-Xylene	ND		10000	1300	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
o-Xylene	ND		5000	730	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Styrene	ND		5000	640	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,1,2,2-Tetrachloroethane	ND		5000	930	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Tetrachloroethene	ND		5000	830	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Toluene	ND		5000	850	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
trans-1,2-Dichloroethene	ND		5000	750	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
trans-1,3-Dichloropropene	ND		5000	580	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,2,3-Trichlorobenzene	ND		5000	630	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,2,4-Trichlorobenzene	ND		5000	380	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,1,1-Trichloroethane	ND		5000	1000	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,1,2-Trichloroethane	ND		5000	1200	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Trichloroethene	ND		5000	800	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Trichlorofluoromethane	ND		5000	1100	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5000	330	ug/Kg		08/24/14 10:06	08/25/14 11:52	1
Vinyl chloride	ND		5000	1300	ug/Kg		08/24/14 10:06	08/25/14 11:52	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/24/14 10:06*	*08/25/14 11:52*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*63 - 120*	*08/24/14 10:06*	*08/25/14 11:52*	*1*
Dibromofluoromethane (Surr)	*96*		*68 - 121*	*08/24/14 10:06*	*08/25/14 11:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*78*		*52 - 124*	*08/24/14 10:06*	*08/25/14 11:52*	*1*
Toluene-d8 (Surr)	*108*		*72 - 127*	*08/24/14 10:06*	*08/25/14 11:52*	*1*

QC Sample Results

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

Lab Sample ID: LCS 180-115842/2-A
Matrix: Solid
Analysis Batch: 115898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115842

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40000	15300	J	ug/Kg		38	20 - 150
Benzene	40000	39100		ug/Kg		98	77 - 120
Bromoform	40000	31200		ug/Kg		78	53 - 140
Bromomethane	40000	33600		ug/Kg		84	25 - 150
2-Butanone (MEK)	40000	23200		ug/Kg		58	35 - 149
Carbon disulfide	40000	42500		ug/Kg		106	50 - 127
Carbon tetrachloride	40000	41200		ug/Kg		103	69 - 122
Chlorobenzene	40000	36700		ug/Kg		92	79 - 120
Chlorobromomethane	40000	37900		ug/Kg		95	67 - 126
Chlorodibromomethane	40000	33200		ug/Kg		83	70 - 132
Chloroethane	40000	33300		ug/Kg		83	22 - 150
Chloroform	40000	37700		ug/Kg		94	72 - 120
Chloromethane	40000	38400		ug/Kg		96	44 - 131
cis-1,2-Dichloroethene	40000	39000		ug/Kg		98	80 - 118
cis-1,3-Dichloropropene	40000	38800		ug/Kg		97	73 - 120
Cyclohexane	40000	39200		ug/Kg		98	64 - 130
1,2-Dibromo-3-Chloropropane	40000	27500		ug/Kg		69	35 - 136
1,2-Dibromoethane	40000	28700		ug/Kg		72	70 - 131
1,2-Dichlorobenzene	40000	35000		ug/Kg		88	71 - 124
1,3-Dichlorobenzene	40000	39900		ug/Kg		100	75 - 118
1,4-Dichlorobenzene	40000	34900		ug/Kg		87	77 - 116
Dichlorobromomethane	40000	39200		ug/Kg		98	70 - 125
Dichlorodifluoromethane	40000	41300		ug/Kg		103	25 - 150
1,1-Dichloroethane	40000	40100		ug/Kg		100	66 - 124
1,2-Dichloroethane	40000	34600		ug/Kg		86	61 - 127
1,1-Dichloroethene	40000	38500		ug/Kg		96	59 - 129
1,2-Dichloropropane	40000	38700		ug/Kg		97	72 - 122
1,4-Dioxane	800000	603000	J	ug/Kg		75	10 - 160
Ethylbenzene	40000	37500		ug/Kg		94	78 - 125
2-Hexanone	40000	25900		ug/Kg		65	32 - 150
Isopropylbenzene	40000	39000		ug/Kg		97	70 - 133
Methyl acetate	200000	176000		ug/Kg		88	27 - 142
Methylcyclohexane	40000	39400		ug/Kg		99	66 - 135
Methylene Chloride	40000	33800		ug/Kg		85	58 - 127
4-Methyl-2-pentanone (MIBK)	40000	43800		ug/Kg		109	44 - 148
Methyl tert-butyl ether	40000	35000		ug/Kg		87	48 - 132
m-Xylene & p-Xylene	40000	40700		ug/Kg		102	75 - 126
o-Xylene	40000	38300		ug/Kg		96	83 - 127
Styrene	40000	38000		ug/Kg		95	83 - 129
1,1,2,2-Tetrachloroethane	40000	26800		ug/Kg		67	60 - 139
Tetrachloroethene	40000	35100		ug/Kg		88	78 - 129
Toluene	40000	38000		ug/Kg		95	78 - 124
trans-1,2-Dichloroethene	40000	39800		ug/Kg		99	77 - 121
trans-1,3-Dichloropropene	40000	34800		ug/Kg		87	74 - 129
1,2,3-Trichlorobenzene	40000	38400		ug/Kg		96	37 - 144
1,2,4-Trichlorobenzene	40000	32500		ug/Kg		81	51 - 136
1,1,1-Trichloroethane	40000	39500		ug/Kg		99	67 - 126
1,1,2-Trichloroethane	40000	31200		ug/Kg		78	70 - 128

QC Sample Results

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

Lab Sample ID: LCS 180-115842/2-A
Matrix: Solid
Analysis Batch: 115898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115842

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	40000	40000		ug/Kg		100	76 - 119
Trichlorofluoromethane	40000	33300		ug/Kg		83	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40000	37000		ug/Kg		93	55 - 130
Vinyl chloride	40000	38500		ug/Kg		96	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*63 - 120*
Dibromofluoromethane (Surr)	*96*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*79*		*52 - 124*
Toluene-d8 (Surr)	*94*		*72 - 127*

Lab Sample ID: LCSD 180-115842/3-A
Matrix: Solid
Analysis Batch: 115898

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115842

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	40000	18700	J	ug/Kg		47	20 - 150	20	40
Benzene	40000	39300		ug/Kg		98	77 - 120	0	20
Bromoform	40000	28400		ug/Kg		71	53 - 140	10	23
Bromomethane	40000	55000	*	ug/Kg		138	25 - 150	48	40
2-Butanone (MEK)	40000	17600		ug/Kg		44	35 - 149	28	36
Carbon disulfide	40000	48100		ug/Kg		120	50 - 127	12	23
Carbon tetrachloride	40000	47000		ug/Kg		117	69 - 122	13	22
Chlorobenzene	40000	37100		ug/Kg		93	79 - 120	1	20
Chlorobromomethane	40000	31500		ug/Kg		79	67 - 126	19	29
Chlorodibromomethane	40000	32700		ug/Kg		82	70 - 132	1	20
Chloroethane	40000	50400	*	ug/Kg		126	22 - 150	41	40
Chloroform	40000	38000		ug/Kg		95	72 - 120	1	25
Chloromethane	40000	40100		ug/Kg		100	44 - 131	4	27
cis-1,2-Dichloroethene	40000	38200		ug/Kg		96	80 - 118	2	20
cis-1,3-Dichloropropene	40000	34900		ug/Kg		87	73 - 120	11	20
Cyclohexane	40000	42000		ug/Kg		105	64 - 130	7	21
1,2-Dibromo-3-Chloropropane	40000	33600		ug/Kg		84	35 - 136	20	40
1,2-Dibromoethane	40000	27200	*	ug/Kg		68	70 - 131	5	20
1,2-Dichlorobenzene	40000	36100		ug/Kg		90	71 - 124	3	22
1,3-Dichlorobenzene	40000	40900		ug/Kg		102	75 - 118	2	20
1,4-Dichlorobenzene	40000	35200		ug/Kg		88	77 - 116	1	20
Dichlorobromomethane	40000	37800		ug/Kg		94	70 - 125	4	21
Dichlorodifluoromethane	40000	47500		ug/Kg		119	25 - 150	14	34
1,1-Dichloroethane	40000	41300		ug/Kg		103	66 - 124	3	23
1,2-Dichloroethane	40000	30600		ug/Kg		77	61 - 127	12	23
1,1-Dichloroethene	40000	41600		ug/Kg		104	59 - 129	8	25
1,2-Dichloropropane	40000	37100		ug/Kg		93	72 - 122	4	20
1,4-Dioxane	800000	432000	J	ug/Kg		54	10 - 160	33	40
Ethylbenzene	40000	39700		ug/Kg		99	78 - 125	6	21
2-Hexanone	40000	22600		ug/Kg		56	32 - 150	14	32
Isopropylbenzene	40000	42800		ug/Kg		107	70 - 133	9	22

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

Lab Sample ID: LCSD 180-115842/3-A
Matrix: Solid
Analysis Batch: 115898

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115842

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl acetate	200000	152000		ug/Kg		76	27 - 142	15	40
Methylcyclohexane	40000	44300		ug/Kg		111	66 - 135	12	23
Methylene Chloride	40000	33300		ug/Kg		83	58 - 127	2	28
4-Methyl-2-pentanone (MIBK)	40000	37500		ug/Kg		94	44 - 148	15	30
Methyl tert-butyl ether	40000	31100		ug/Kg		78	48 - 132	12	36
m-Xylene & p-Xylene	40000	40700		ug/Kg		102	75 - 126	0	21
o-Xylene	40000	39400		ug/Kg		98	83 - 127	3	20
Styrene	40000	38800		ug/Kg		97	83 - 129	2	20
1,1,2,2-Tetrachloroethane	40000	25800		ug/Kg		65	60 - 139	4	24
Tetrachloroethene	40000	40700		ug/Kg		102	78 - 129	15	20
Toluene	40000	40000		ug/Kg		100	78 - 124	5	21
trans-1,2-Dichloroethene	40000	40700		ug/Kg		102	77 - 121	2	20
trans-1,3-Dichloropropene	40000	31500		ug/Kg		79	74 - 129	10	20
1,2,3-Trichlorobenzene	40000	33900		ug/Kg		85	37 - 144	12	40
1,2,4-Trichlorobenzene	40000	35800		ug/Kg		89	51 - 136	9	40
1,1,1-Trichloroethane	40000	44000		ug/Kg		110	67 - 126	11	31
1,1,2-Trichloroethane	40000	29300		ug/Kg		73	70 - 128	6	22
Trichloroethene	40000	39900		ug/Kg		100	76 - 119	0	21
Trichlorofluoromethane	40000	41800		ug/Kg		105	20 - 150	23	40
1,1,2-Trichloro-1,2,2-trifluoroethane	40000	40300		ug/Kg		101	55 - 130	8	37
Vinyl chloride	40000	42400		ug/Kg		106	63 - 124	10	27

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*63 - 120*
Dibromofluoromethane (Surr)	*94*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*70*		*52 - 124*
Toluene-d8 (Surr)	*102*		*72 - 127*

Lab Sample ID: MB 180-115874/1-A
Matrix: Solid
Analysis Batch: 115865

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115874

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.0	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Benzene	ND		5.0	0.68	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Bromoform	ND		5.0	0.44	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Bromomethane	ND		5.0	0.74	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
2-Butanone (MEK)	ND		5.0	0.88	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Carbon disulfide	ND		5.0	0.51	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Carbon tetrachloride	ND		5.0	0.45	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Chlorobenzene	ND		5.0	0.76	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Chlorobromomethane	ND		5.0	0.69	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Chloroethane	ND		5.0	1.5	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Chloroform	ND		5.0	0.58	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Chloromethane	ND		5.0	0.85	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
cis-1,2-Dichloroethene	ND		5.0	0.70	ug/Kg		08/25/14 04:25	08/25/14 06:27	1

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

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

Lab Sample ID: MB 180-115874/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115865 **Prep Batch: 115874**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Cyclohexane	ND		5.0	0.37	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.75	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,2-Dibromoethane	ND		5.0	0.86	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,2-Dichlorobenzene	ND		5.0	0.80	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,3-Dichlorobenzene	ND		5.0	0.66	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,4-Dichlorobenzene	ND		5.0	0.64	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Dichlorobromomethane	ND		5.0	0.56	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Dichlorodifluoromethane	ND		5.0	0.67	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,1-Dichloroethane	ND		5.0	0.58	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,2-Dichloroethane	ND		5.0	0.61	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,1-Dichloroethene	ND		5.0	0.85	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,2-Dichloropropane	ND		5.0	0.54	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,4-Dioxane	ND		1000	280	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Ethylbenzene	ND		5.0	0.64	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
2-Hexanone	ND		5.0	0.69	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Methyl acetate	ND		5.0	0.90	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Methylcyclohexane	ND		5.0	0.73	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Methylene Chloride	ND		5.0	0.67	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.65	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Methyl tert-butyl ether	ND		5.0	0.75	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
m-Xylene & p-Xylene	ND		10	1.5	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
o-Xylene	ND		5.0	0.78	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Styrene	ND		5.0	0.71	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.72	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Toluene	ND		5.0	0.73	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
trans-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
trans-1,3-Dichloropropene	ND		5.0	0.60	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,2,3-Trichlorobenzene	ND		5.0	0.84	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,2,4-Trichlorobenzene	ND		5.0	0.88	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,1,1-Trichloroethane	ND		5.0	0.49	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,1,2-Trichloroethane	ND		5.0	0.83	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Trichloroethene	ND		5.0	0.66	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Trichlorofluoromethane	ND		5.0	0.92	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/25/14 04:25	08/25/14 06:27	1
Vinyl chloride	ND		5.0	0.47	ug/Kg		08/25/14 04:25	08/25/14 06:27	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/25/14 04:25*	*08/25/14 06:27*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*63 - 120*	*08/25/14 04:25*	*08/25/14 06:27*	*1*
Dibromofluoromethane (Surr)	*99*		*68 - 121*	*08/25/14 04:25*	*08/25/14 06:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*52 - 124*	*08/25/14 04:25*	*08/25/14 06:27*	*1*
Toluene-d8 (Surr)	*92*		*72 - 127*	*08/25/14 04:25*	*08/25/14 06:27*	*1*

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

Lab Sample ID: LCS 180-115874/2-A
Matrix: Solid
Analysis Batch: 115865

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115874

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	44.1		ug/Kg		110	20 - 150
Benzene	40.0	41.8		ug/Kg		105	77 - 120
Bromoform	40.0	40.6		ug/Kg		101	53 - 140
Bromomethane	40.0	45.4		ug/Kg		114	25 - 150
2-Butanone (MEK)	40.0	38.7		ug/Kg		97	35 - 149
Carbon disulfide	40.0	43.4		ug/Kg		108	50 - 127
Carbon tetrachloride	40.0	50.3	*	ug/Kg		126	69 - 122
Chlorobenzene	40.0	41.7		ug/Kg		104	79 - 120
Chlorobromomethane	40.0	42.6		ug/Kg		107	67 - 126
Chlorodibromomethane	40.0	44.2		ug/Kg		111	70 - 132
Chloroethane	40.0	44.2		ug/Kg		110	22 - 150
Chloroform	40.0	46.4		ug/Kg		116	72 - 120
Chloromethane	40.0	48.2		ug/Kg		121	44 - 131
cis-1,2-Dichloroethene	40.0	42.7		ug/Kg		107	80 - 118
cis-1,3-Dichloropropene	40.0	39.9		ug/Kg		100	73 - 120
Cyclohexane	40.0	44.6		ug/Kg		111	64 - 130
1,2-Dibromo-3-Chloropropane	40.0	39.6		ug/Kg		99	35 - 136
1,2-Dibromoethane	40.0	42.2		ug/Kg		105	70 - 131
1,2-Dichlorobenzene	40.0	40.4		ug/Kg		101	71 - 124
1,3-Dichlorobenzene	40.0	40.4		ug/Kg		101	75 - 118
1,4-Dichlorobenzene	40.0	39.8		ug/Kg		100	77 - 116
Dichlorobromomethane	40.0	43.2		ug/Kg		108	70 - 125
Dichlorodifluoromethane	40.0	44.9		ug/Kg		112	25 - 150
1,1-Dichloroethane	40.0	44.8		ug/Kg		112	66 - 124
1,2-Dichloroethane	40.0	48.0		ug/Kg		120	61 - 127
1,1-Dichloroethene	40.0	47.4		ug/Kg		118	59 - 129
1,2-Dichloropropane	40.0	39.6		ug/Kg		99	72 - 122
1,4-Dioxane	800	813	J	ug/Kg		102	10 - 160
Ethylbenzene	40.0	41.8		ug/Kg		105	78 - 125
2-Hexanone	40.0	43.9		ug/Kg		110	32 - 150
Isopropylbenzene	40.0	43.0		ug/Kg		108	70 - 133
Methyl acetate	200	216		ug/Kg		108	27 - 142
Methylcyclohexane	40.0	40.2		ug/Kg		101	66 - 135
Methylene Chloride	40.0	36.7		ug/Kg		92	58 - 127
4-Methyl-2-pentanone (MIBK)	40.0	45.1		ug/Kg		113	44 - 148
Methyl tert-butyl ether	40.0	47.7		ug/Kg		119	48 - 132
m-Xylene & p-Xylene	40.0	41.7		ug/Kg		104	75 - 126
o-Xylene	40.0	41.7		ug/Kg		104	83 - 127
Styrene	40.0	42.3		ug/Kg		106	83 - 129
1,1,2,2-Tetrachloroethane	40.0	41.0		ug/Kg		102	60 - 139
Tetrachloroethene	40.0	41.5		ug/Kg		104	78 - 129
Toluene	40.0	41.3		ug/Kg		103	78 - 124
trans-1,2-Dichloroethene	40.0	51.5	*	ug/Kg		129	77 - 121
trans-1,3-Dichloropropene	40.0	44.1		ug/Kg		110	74 - 129
1,2,3-Trichlorobenzene	40.0	38.6		ug/Kg		97	37 - 144
1,2,4-Trichlorobenzene	40.0	39.3		ug/Kg		98	51 - 136
1,1,1-Trichloroethane	40.0	50.1		ug/Kg		125	67 - 126
1,1,2-Trichloroethane	40.0	41.1		ug/Kg		103	70 - 128

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

Lab Sample ID: LCS 180-115874/2-A
Matrix: Solid
Analysis Batch: 115865

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115874

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	40.0	38.8		ug/Kg		97	76 - 119
Trichlorofluoromethane	40.0	43.2		ug/Kg		108	20 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	52.5	*	ug/Kg		131	55 - 130
Vinyl chloride	40.0	40.5		ug/Kg		101	63 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*63 - 120*
Dibromofluoromethane (Surr)	*112*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*120*		*52 - 124*
Toluene-d8 (Surr)	*102*		*72 - 127*

Lab Sample ID: LCSD 180-115874/3-A
Matrix: Solid
Analysis Batch: 115865

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115874

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	40.0	42.1		ug/Kg		105	20 - 150	5	40
Benzene	40.0	41.8		ug/Kg		105	77 - 120	0	20
Bromoform	40.0	44.7		ug/Kg		112	53 - 140	10	23
Bromomethane	40.0	47.0		ug/Kg		117	25 - 150	3	40
2-Butanone (MEK)	40.0	38.5		ug/Kg		96	35 - 149	0	36
Carbon disulfide	40.0	45.7		ug/Kg		114	50 - 127	5	23
Carbon tetrachloride	40.0	50.4	*	ug/Kg		126	69 - 122	0	22
Chlorobenzene	40.0	40.7		ug/Kg		102	79 - 120	2	20
Chlorobromomethane	40.0	43.3		ug/Kg		108	67 - 126	1	29
Chlorodibromomethane	40.0	43.4		ug/Kg		109	70 - 132	2	20
Chloroethane	40.0	46.2		ug/Kg		116	22 - 150	5	40
Chloroform	40.0	45.8		ug/Kg		114	72 - 120	1	25
Chloromethane	40.0	49.0		ug/Kg		123	44 - 131	2	27
cis-1,2-Dichloroethene	40.0	42.3		ug/Kg		106	80 - 118	1	20
cis-1,3-Dichloropropene	40.0	40.9		ug/Kg		102	73 - 120	2	20
Cyclohexane	40.0	44.3		ug/Kg		111	64 - 130	1	21
1,2-Dibromo-3-Chloropropane	40.0	45.6		ug/Kg		114	35 - 136	14	40
1,2-Dibromoethane	40.0	42.7		ug/Kg		107	70 - 131	1	20
1,2-Dichlorobenzene	40.0	41.3		ug/Kg		103	71 - 124	2	22
1,3-Dichlorobenzene	40.0	40.4		ug/Kg		101	75 - 118	0	20
1,4-Dichlorobenzene	40.0	41.8		ug/Kg		105	77 - 116	5	20
Dichlorobromomethane	40.0	43.4		ug/Kg		109	70 - 125	1	21
Dichlorodifluoromethane	40.0	46.2		ug/Kg		116	25 - 150	3	34
1,1-Dichloroethane	40.0	44.7		ug/Kg		112	66 - 124	0	23
1,2-Dichloroethane	40.0	48.0		ug/Kg		120	61 - 127	0	23
1,1-Dichloroethene	40.0	47.4		ug/Kg		118	59 - 129	0	25
1,2-Dichloropropane	40.0	40.5		ug/Kg		101	72 - 122	2	20
1,4-Dioxane	800	975	J	ug/Kg		122	10 - 160	18	40
Ethylbenzene	40.0	40.9		ug/Kg		102	78 - 125	2	21
2-Hexanone	40.0	40.3		ug/Kg		101	32 - 150	8	32
Isopropylbenzene	40.0	42.4		ug/Kg		106	70 - 133	1	22

QC Sample Results

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

Lab Sample ID: LCSD 180-115874/3-A
Matrix: Solid
Analysis Batch: 115865

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115874

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl acetate	200	226		ug/Kg		113	27 - 142	4	40
Methylcyclohexane	40.0	40.5		ug/Kg		101	66 - 135	1	23
Methylene Chloride	40.0	38.0		ug/Kg		95	58 - 127	3	28
4-Methyl-2-pentanone (MIBK)	40.0	45.3		ug/Kg		113	44 - 148	1	30
Methyl tert-butyl ether	40.0	50.0		ug/Kg		125	48 - 132	5	36
m-Xylene & p-Xylene	40.0	40.4		ug/Kg		101	75 - 126	3	21
o-Xylene	40.0	42.0		ug/Kg		105	83 - 127	1	20
Styrene	40.0	41.5		ug/Kg		104	83 - 129	2	20
1,1,2,2-Tetrachloroethane	40.0	42.6		ug/Kg		106	60 - 139	4	24
Tetrachloroethene	40.0	40.1		ug/Kg		100	78 - 129	3	20
Toluene	40.0	41.3		ug/Kg		103	78 - 124	0	21
trans-1,2-Dichloroethene	40.0	52.2	*	ug/Kg		131	77 - 121	1	20
trans-1,3-Dichloropropene	40.0	45.2		ug/Kg		113	74 - 129	2	20
1,2,3-Trichlorobenzene	40.0	41.0		ug/Kg		102	37 - 144	6	40
1,2,4-Trichlorobenzene	40.0	42.0		ug/Kg		105	51 - 136	7	40
1,1,1-Trichloroethane	40.0	50.8	*	ug/Kg		127	67 - 126	1	31
1,1,2-Trichloroethane	40.0	41.1		ug/Kg		103	70 - 128	0	22
Trichloroethene	40.0	40.3		ug/Kg		101	76 - 119	4	21
Trichlorofluoromethane	40.0	41.6		ug/Kg		104	20 - 150	4	40
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	52.7	*	ug/Kg		132	55 - 130	0	37
Vinyl chloride	40.0	41.6		ug/Kg		104	63 - 124	3	27

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*63 - 120*
Dibromofluoromethane (Surr)	*109*		*68 - 121*
1,2-Dichloroethane-d4 (Surr)	*115*		*52 - 124*
Toluene-d8 (Surr)	*97*		*72 - 127*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-116334/1-A
Matrix: Solid
Analysis Batch: 116484

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116334

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	6.4	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Acenaphthylene	ND		67	7.6	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Acetophenone	ND		330	27	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Anthracene	ND		67	6.5	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Atrazine	ND		330	32	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Benzaldehyde	ND		330	50	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Benzo[a]anthracene	ND		67	8.4	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Benzo[a]pyrene	ND		67	6.7	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Benzo[b]fluoranthene	ND		67	10	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Benzo[g,h,i]perylene	ND		67	6.6	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Benzo[k]fluoranthene	ND		67	13	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
1,1'-Biphenyl	ND		330	30	ug/Kg		08/28/14 09:00	08/29/14 10:03	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-116334/1-A
Matrix: Solid
Analysis Batch: 116484

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116334

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		330	22	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Bis(2-chloroethyl)ether	ND		67	9.0	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Bis(2-ethylhexyl) phthalate	ND		670	54	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
4-Bromophenyl phenyl ether	ND		330	29	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Butyl benzyl phthalate	ND		330	46	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Caprolactam	ND		1700	250	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Carbazole	ND		67	6.1	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
4-Chloroaniline	ND		330	27	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
4-Chloro-3-methylphenol	ND		330	31	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
2-Chloronaphthalene	ND		67	7.0	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
2-Chlorophenol	ND		330	27	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
4-Chlorophenyl phenyl ether	ND		330	37	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Chrysene	ND		67	7.9	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Dibenz(a,h)anthracene	ND		67	7.4	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Dibenzofuran	ND		330	33	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
3,3'-Dichlorobenzidine	ND		330	35	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
2,4-Dichlorophenol	ND		67	6.7	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Diethyl phthalate	ND		330	36	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
2,4-Dimethylphenol	ND		330	52	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Dimethyl phthalate	ND		330	36	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Di-n-butyl phthalate	ND		330	42	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
4,6-Dinitro-2-methylphenol	ND		1700	130	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
2,4-Dinitrophenol	ND		1700	400	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
2,4-Dinitrotoluene	ND		330	27	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
2,6-Dinitrotoluene	ND		330	34	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Di-n-octyl phthalate	ND		330	35	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
1,4-Dioxane	ND		670	38	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Fluoranthene	ND		67	7.1	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Fluorene	ND		67	8.8	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Hexachlorobenzene	ND		67	7.1	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Hexachlorobutadiene	ND		67	7.5	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Hexachlorocyclopentadiene	ND		330	36	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Hexachloroethane	ND		330	24	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Indeno[1,2,3-cd]pyrene	ND		67	6.9	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Isophorone	ND		330	25	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
2-Methylnaphthalene	ND		67	6.0	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
2-Methylphenol	ND		330	23	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Methylphenol, 3 & 4	ND		330	33	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Naphthalene	ND		67	5.7	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
2-Nitroaniline	ND		1700	150	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
3-Nitroaniline	ND		1700	140	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
4-Nitroaniline	ND		1700	140	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Nitrobenzene	ND		670	28	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
2-Nitrophenol	ND		330	37	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
4-Nitrophenol	ND		1700	120	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
N-Nitrosodi-n-propylamine	ND		67	7.8	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
N-Nitrosodiphenylamine	ND		330	31	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
2,2'-oxybis[1-chloropropane]	ND		67	7.2	ug/Kg		08/28/14 09:00	08/29/14 10:03	1

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-116334/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116484
Prep Batch: 116334

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		330	30	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Phenanthrene	ND		67	11	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Phenol	ND		67	7.9	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
Pyrene	ND		67	6.7	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
1,2,4,5-Tetrachlorobenzene	ND		330	25	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
2,3,4,6-Tetrachlorophenol	ND		330	21	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
2,4,5-Trichlorophenol	ND		330	36	ug/Kg		08/28/14 09:00	08/29/14 10:03	1
2,4,6-Trichlorophenol	ND		330	50	ug/Kg		08/28/14 09:00	08/29/14 10:03	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/28/14 09:00*	*08/29/14 10:03*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*35 - 105*	*08/28/14 09:00*	*08/29/14 10:03*	*1*
2-Fluorophenol (Surr)	*71*		*39 - 103*	*08/28/14 09:00*	*08/29/14 10:03*	*1*
Nitrobenzene-d5 (Surr)	*70*		*25 - 104*	*08/28/14 09:00*	*08/29/14 10:03*	*1*
Phenol-d5 (Surr)	*71*		*25 - 105*	*08/28/14 09:00*	*08/29/14 10:03*	*1*
Terphenyl-d14 (Surr)	*69*		*25 - 127*	*08/28/14 09:00*	*08/29/14 10:03*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*35 - 124*	*08/28/14 09:00*	*08/29/14 10:03*	*1*

Lab Sample ID: LCS 180-116334/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116484
Prep Batch: 116334

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	6670	4720		ug/Kg		71	47 - 104
Acenaphthylene	6670	4770		ug/Kg		72	49 - 114
Acetophenone	6670	4870		ug/Kg		73	30 - 150
Anthracene	6670	4800		ug/Kg		72	45 - 112
Atrazine	6670	4220		ug/Kg		63	30 - 150
Benzaldehyde	6670	3940		ug/Kg		59	30 - 150
Benzo[a]anthracene	6670	4900		ug/Kg		74	47 - 110
Benzo[a]pyrene	6670	4930		ug/Kg		74	47 - 112
Benzo[b]fluoranthene	6670	4800		ug/Kg		72	41 - 107
Benzo[g,h,i]perylene	6670	5230		ug/Kg		79	38 - 126
Benzo[k]fluoranthene	6670	4650		ug/Kg		70	44 - 115
1,1'-Biphenyl	6670	4560		ug/Kg		68	30 - 150
Bis(2-chloroethoxy)methane	6670	4390		ug/Kg		66	44 - 101
Bis(2-chloroethyl)ether	6670	4660		ug/Kg		70	38 - 99
Bis(2-ethylhexyl) phthalate	6670	5490		ug/Kg		82	40 - 122
4-Bromophenyl phenyl ether	6670	4720		ug/Kg		71	47 - 110
Butyl benzyl phthalate	6670	5680		ug/Kg		85	41 - 118
Caprolactam	6670	5660		ug/Kg		85	30 - 150
Carbazole	6670	4900		ug/Kg		73	45 - 114
4-Chloroaniline	6670	4570		ug/Kg		69	25 - 108
4-Chloro-3-methylphenol	6670	5430		ug/Kg		82	47 - 109
2-Chloronaphthalene	6670	4220		ug/Kg		63	46 - 101

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-116334/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116484
Prep Batch: 116334

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorophenol	6670	4950		ug/Kg		74	40 - 101
4-Chlorophenyl phenyl ether	6670	4860		ug/Kg		73	47 - 109
Chrysene	6670	5000		ug/Kg		75	46 - 111
Dibenz(a,h)anthracene	6670	5300		ug/Kg		79	39 - 127
Dibenzofuran	6670	4640		ug/Kg		70	46 - 104
3,3'-Dichlorobenzidine	6670	4930		ug/Kg		74	19 - 122
2,4-Dichlorophenol	6670	5040		ug/Kg		76	47 - 105
Diethyl phthalate	6670	5010		ug/Kg		75	47 - 115
2,4-Dimethylphenol	6670	5030		ug/Kg		75	44 - 105
Dimethyl phthalate	6670	4920		ug/Kg		74	49 - 111
Di-n-butyl phthalate	6670	5120		ug/Kg		77	43 - 121
4,6-Dinitro-2-methylphenol	13300	9700		ug/Kg		73	24 - 134
2,4-Dinitrophenol	13300	9330		ug/Kg		70	10 - 146
2,4-Dinitrotoluene	6670	5620		ug/Kg		84	45 - 124
2,6-Dinitrotoluene	6670	5160		ug/Kg		77	50 - 122
Di-n-octyl phthalate	6670	5670		ug/Kg		85	33 - 129
1,4-Dioxane	6670	4790		ug/Kg		72	41 - 102
Fluoranthene	6670	5110		ug/Kg		77	40 - 120
Fluorene	6670	5030		ug/Kg		76	46 - 109
Hexachlorobenzene	6670	4590		ug/Kg		69	47 - 108
Hexachlorobutadiene	6670	5180		ug/Kg		78	43 - 107
Hexachlorocyclopentadiene	6670	4220		ug/Kg		63	23 - 129
Hexachloroethane	6670	4980		ug/Kg		75	37 - 97
Indeno[1,2,3-cd]pyrene	6670	5060		ug/Kg		76	41 - 125
Isophorone	6670	4760		ug/Kg		71	47 - 110
2-Methylnaphthalene	6670	4860		ug/Kg		73	45 - 100
2-Methylphenol	6670	5050		ug/Kg		76	40 - 104
Methylphenol, 3 & 4	6670	4850		ug/Kg		73	42 - 105
Naphthalene	6670	4700		ug/Kg		71	43 - 100
2-Nitroaniline	6670	5120		ug/Kg		77	45 - 117
3-Nitroaniline	6670	5060		ug/Kg		76	34 - 122
4-Nitroaniline	6670	5160		ug/Kg		77	38 - 123
Nitrobenzene	6670	4650		ug/Kg		70	43 - 104
2-Nitrophenol	6670	5020		ug/Kg		75	46 - 106
4-Nitrophenol	13300	12400		ug/Kg		93	36 - 127
N-Nitrosodi-n-propylamine	6670	4380		ug/Kg		66	42 - 107
N-Nitrosodiphenylamine	6670	4740		ug/Kg		71	44 - 111
2,2'-oxybis[1-chloropropane]	6670	3520		ug/Kg		53	36 - 101
Pentachlorophenol	13300	8970		ug/Kg		67	17 - 122
Phenanthrene	6670	4780		ug/Kg		72	43 - 108
Phenol	6670	4770		ug/Kg		72	41 - 102
Pyrene	6670	5010		ug/Kg		75	41 - 115
1,2,4,5-Tetrachlorobenzene	6670	4620		ug/Kg		69	30 - 125
2,3,4,6-Tetrachlorophenol	6670	5420		ug/Kg		81	38 - 113
2,4,5-Trichlorophenol	6670	5030		ug/Kg		75	48 - 108
2,4,6-Trichlorophenol	6670	5080		ug/Kg		76	50 - 106

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-116334/2-A
Matrix: Solid
Analysis Batch: 116484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116334

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*35 - 105*
2-Fluorophenol (Surr)	*79*		*39 - 103*
Nitrobenzene-d5 (Surr)	*70*		*25 - 104*
Phenol-d5 (Surr)	*74*		*25 - 105*
Terphenyl-d14 (Surr)	*77*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*80*		*35 - 124*

Lab Sample ID: 180-35858-4 MS
Matrix: Solid
Analysis Batch: 116484

Client Sample ID: SSHS-B72-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116334

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		8140	5370		ug/Kg	☼	66	47 - 104
Acenaphthylene	ND		8140	5450		ug/Kg	☼	67	49 - 114
Acetophenone	ND		8140	5360		ug/Kg	☼	66	30 - 150
Anthracene	ND		8140	5260		ug/Kg	☼	65	45 - 112
Atrazine	ND		8140	4690		ug/Kg	☼	58	30 - 150
Benzaldehyde	ND		8140	731	F1	ug/Kg	☼	9	30 - 150
Benzo[a]anthracene	ND		8140	5360		ug/Kg	☼	66	47 - 110
Benzo[a]pyrene	ND		8140	5360		ug/Kg	☼	66	47 - 112
Benzo[b]fluoranthene	ND		8140	5180		ug/Kg	☼	64	41 - 107
Benzo[g,h,i]perylene	ND		8140	5700		ug/Kg	☼	70	38 - 126
Benzo[k]fluoranthene	ND		8140	4940		ug/Kg	☼	61	44 - 115
1,1'-Biphenyl	ND		8140	5310		ug/Kg	☼	65	30 - 150
Bis(2-chloroethoxy)methane	ND		8140	5180		ug/Kg	☼	64	44 - 101
Bis(2-chloroethyl)ether	ND		8140	5110		ug/Kg	☼	63	38 - 99
Bis(2-ethylhexyl) phthalate	ND		8140	5920		ug/Kg	☼	73	40 - 122
4-Bromophenyl phenyl ether	ND		8140	5200		ug/Kg	☼	64	47 - 110
Butyl benzyl phthalate	ND		8140	5960		ug/Kg	☼	73	41 - 118
Caprolactam	ND		8140	6040		ug/Kg	☼	74	30 - 150
Carbazole	ND		8140	5420		ug/Kg	☼	67	45 - 114
4-Chloroaniline	ND		8140	4990		ug/Kg	☼	61	25 - 108
4-Chloro-3-methylphenol	ND		8140	6030		ug/Kg	☼	74	47 - 109
2-Chloronaphthalene	ND		8140	4900		ug/Kg	☼	60	46 - 101
2-Chlorophenol	ND		8140	5380		ug/Kg	☼	66	40 - 101
4-Chlorophenyl phenyl ether	ND		8140	5420		ug/Kg	☼	67	47 - 109
Chrysene	ND		8140	5390		ug/Kg	☼	66	46 - 111
Dibenz(a,h)anthracene	ND		8140	5760		ug/Kg	☼	71	39 - 127
Dibenzofuran	ND		8140	5370		ug/Kg	☼	66	46 - 104
3,3'-Dichlorobenzidine	ND		8140	5460		ug/Kg	☼	67	19 - 122
2,4-Dichlorophenol	ND		8140	5570		ug/Kg	☼	68	47 - 105
Diethyl phthalate	ND		8140	5560		ug/Kg	☼	68	47 - 115
2,4-Dimethylphenol	ND		8140	5310		ug/Kg	☼	65	44 - 105
Dimethyl phthalate	ND		8140	5650		ug/Kg	☼	69	49 - 111
Di-n-butyl phthalate	ND		8140	5630		ug/Kg	☼	69	43 - 121
4,6-Dinitro-2-methylphenol	ND		16300	10400		ug/Kg	☼	64	24 - 134
2,4-Dinitrophenol	ND		16300	8900		ug/Kg	☼	55	10 - 146
2,4-Dinitrotoluene	ND		8140	6220		ug/Kg	☼	76	45 - 124

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35858-4 MS
Matrix: Solid
Analysis Batch: 116484

Client Sample ID: SSHS-B72-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116334

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,6-Dinitrotoluene	ND		8140	5820		ug/Kg	☼	72	50 - 122
Di-n-octyl phthalate	ND		8140	5950		ug/Kg	☼	73	33 - 129
1,4-Dioxane	ND		8140	5140		ug/Kg	☼	63	41 - 102
Fluoranthene	ND		8140	5540		ug/Kg	☼	68	40 - 120
Fluorene	ND		8140	5610		ug/Kg	☼	69	46 - 109
Hexachlorobenzene	ND		8140	5110		ug/Kg	☼	63	47 - 108
Hexachlorobutadiene	ND		8140	5740		ug/Kg	☼	71	43 - 107
Hexachlorocyclopentadiene	ND		8140	4680		ug/Kg	☼	58	23 - 129
Hexachloroethane	ND		8140	5380		ug/Kg	☼	66	37 - 97
Indeno[1,2,3-cd]pyrene	ND		8140	5570		ug/Kg	☼	68	41 - 125
Isophorone	ND		8140	5290		ug/Kg	☼	65	47 - 110
2-Methylnaphthalene	ND		8140	5390		ug/Kg	☼	66	45 - 100
2-Methylphenol	ND		8140	5450		ug/Kg	☼	67	40 - 104
Methylphenol, 3 & 4	ND		8140	5310		ug/Kg	☼	65	42 - 105
Naphthalene	ND		8140	5310		ug/Kg	☼	65	43 - 100
2-Nitroaniline	ND		8140	5780		ug/Kg	☼	71	45 - 117
3-Nitroaniline	ND		8140	5730		ug/Kg	☼	70	34 - 122
4-Nitroaniline	ND		8140	5730		ug/Kg	☼	70	38 - 123
Nitrobenzene	ND		8140	5260		ug/Kg	☼	65	43 - 104
2-Nitrophenol	ND		8140	5570		ug/Kg	☼	68	46 - 106
4-Nitrophenol	ND		16300	12300		ug/Kg	☼	76	36 - 127
N-Nitrosodi-n-propylamine	ND		8140	4800		ug/Kg	☼	59	42 - 107
N-Nitrosodiphenylamine	ND		8140	5230		ug/Kg	☼	64	44 - 111
2,2'-oxybis[1-chloropropane]	ND		8140	3860		ug/Kg	☼	47	36 - 101
Pentachlorophenol	ND		16300	9190		ug/Kg	☼	56	17 - 122
Phenanthrene	ND		8140	5190		ug/Kg	☼	64	43 - 108
Phenol	ND		8140	5200		ug/Kg	☼	64	41 - 102
Pyrene	ND		8140	5320		ug/Kg	☼	65	41 - 115
1,2,4,5-Tetrachlorobenzene	ND		8140	5290		ug/Kg	☼	65	30 - 125
2,3,4,6-Tetrachlorophenol	ND		8140	5710		ug/Kg	☼	70	38 - 113
2,4,5-Trichlorophenol	ND		8140	5690		ug/Kg	☼	70	48 - 108
2,4,6-Trichlorophenol	ND		8140	5640		ug/Kg	☼	69	50 - 106

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*35 - 105*
2-Fluorophenol (Surr)	*69*		*39 - 103*
Nitrobenzene-d5 (Surr)	*66*		*25 - 104*
Phenol-d5 (Surr)	*67*		*25 - 105*
Terphenyl-d14 (Surr)	*66*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*71*		*35 - 124*

Lab Sample ID: 180-35858-4 MSD
Matrix: Solid
Analysis Batch: 116484

Client Sample ID: SSHS-B72-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116334

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		8140	5180		ug/Kg	☼	64	47 - 104	4	40
Acenaphthylene	ND		8140	5160		ug/Kg	☼	63	49 - 114	6	38

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35858-4 MSD
Matrix: Solid
Analysis Batch: 116484

Client Sample ID: SSHS-B72-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116334

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetophenone	ND		8140	5060		ug/Kg	☼	62	30 - 150	6	40
Anthracene	ND		8140	5160		ug/Kg	☼	63	45 - 112	2	42
Atrazine	ND		8140	4530		ug/Kg	☼	56	30 - 150	4	40
Benzaldehyde	ND		8140	724	F1	ug/Kg	☼	9	30 - 150	1	40
Benzo[a]anthracene	ND		8140	5240		ug/Kg	☼	64	47 - 110	2	40
Benzo[a]pyrene	ND		8140	5270		ug/Kg	☼	65	47 - 112	2	42
Benzo[b]fluoranthene	ND		8140	5110		ug/Kg	☼	63	41 - 107	1	53
Benzo[g,h,i]perylene	ND		8140	5680		ug/Kg	☼	70	38 - 126	0	43
Benzo[k]fluoranthene	ND		8140	4930		ug/Kg	☼	61	44 - 115	0	44
1,1'-Biphenyl	ND		8140	4980		ug/Kg	☼	61	30 - 150	6	40
Bis(2-chloroethoxy)methane	ND		8140	4980		ug/Kg	☼	61	44 - 101	4	36
Bis(2-chloroethyl)ether	ND		8140	5000		ug/Kg	☼	61	38 - 99	2	43
Bis(2-ethylhexyl) phthalate	ND		8140	5810		ug/Kg	☼	71	40 - 122	2	41
4-Bromophenyl phenyl ether	ND		8140	4930		ug/Kg	☼	61	47 - 110	5	46
Butyl benzyl phthalate	ND		8140	5840		ug/Kg	☼	72	41 - 118	2	41
Caprolactam	ND		8140	6050		ug/Kg	☼	74	30 - 150	0	40
Carbazole	ND		8140	5290		ug/Kg	☼	65	45 - 114	3	36
4-Chloroaniline	ND		8140	4730		ug/Kg	☼	58	25 - 108	5	36
4-Chloro-3-methylphenol	ND		8140	5820		ug/Kg	☼	71	47 - 109	4	36
2-Chloronaphthalene	ND		8140	4690		ug/Kg	☼	58	46 - 101	5	40
2-Chlorophenol	ND		8140	5170		ug/Kg	☼	64	40 - 101	4	42
4-Chlorophenyl phenyl ether	ND		8140	5210		ug/Kg	☼	64	47 - 109	4	39
Chrysene	ND		8140	5270		ug/Kg	☼	65	46 - 111	2	39
Dibenz(a,h)anthracene	ND		8140	5700		ug/Kg	☼	70	39 - 127	1	45
Dibenzofuran	ND		8140	5110		ug/Kg	☼	63	46 - 104	5	38
3,3'-Dichlorobenzidine	ND		8140	5240		ug/Kg	☼	64	19 - 122	4	40
2,4-Dichlorophenol	ND		8140	5540		ug/Kg	☼	68	47 - 105	1	35
Diethyl phthalate	ND		8140	5360		ug/Kg	☼	66	47 - 115	4	38
2,4-Dimethylphenol	ND		8140	5150		ug/Kg	☼	63	44 - 105	3	49
Dimethyl phthalate	ND		8140	5410		ug/Kg	☼	66	49 - 111	4	37
Di-n-butyl phthalate	ND		8140	5510		ug/Kg	☼	68	43 - 121	2	38
4,6-Dinitro-2-methylphenol	ND		16300	10100		ug/Kg	☼	62	24 - 134	3	87
2,4-Dinitrophenol	ND		16300	8720		ug/Kg	☼	54	10 - 146	2	83
2,4-Dinitrotoluene	ND		8140	5980		ug/Kg	☼	73	45 - 124	4	41
2,6-Dinitrotoluene	ND		8140	5470		ug/Kg	☼	67	50 - 122	6	40
Di-n-octyl phthalate	ND		8140	5880		ug/Kg	☼	72	33 - 129	1	41
1,4-Dioxane	ND		8140	5110		ug/Kg	☼	63	41 - 102	1	35
Fluoranthene	ND		8140	5490		ug/Kg	☼	67	40 - 120	1	36
Fluorene	ND		8140	5400		ug/Kg	☼	66	46 - 109	4	40
Hexachlorobenzene	ND		8140	4850		ug/Kg	☼	60	47 - 108	5	43
Hexachlorobutadiene	ND		8140	5600		ug/Kg	☼	69	43 - 107	3	39
Hexachlorocyclopentadiene	ND		8140	4460		ug/Kg	☼	55	23 - 129	5	49
Hexachloroethane	ND		8140	5220		ug/Kg	☼	64	37 - 97	3	48
Indeno[1,2,3-cd]pyrene	ND		8140	5490		ug/Kg	☼	67	41 - 125	1	47
Isophorone	ND		8140	5150		ug/Kg	☼	63	47 - 110	3	37
2-Methylnaphthalene	ND		8140	5210		ug/Kg	☼	64	45 - 100	3	40
2-Methylphenol	ND		8140	5280		ug/Kg	☼	65	40 - 104	3	41
Methylphenol, 3 & 4	ND		8140	5060		ug/Kg	☼	62	42 - 105	5	43

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35858-4 MSD
Matrix: Solid
Analysis Batch: 116484

Client Sample ID: SSHS-B72-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116334

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene	ND		8140	5090		ug/Kg	☼	63	43 - 100	4	32
2-Nitroaniline	ND		8140	5550		ug/Kg	☼	68	45 - 117	4	42
3-Nitroaniline	ND		8140	5580		ug/Kg	☼	69	34 - 122	3	39
4-Nitroaniline	ND		8140	5530		ug/Kg	☼	68	38 - 123	4	40
Nitrobenzene	ND		8140	5100		ug/Kg	☼	63	43 - 104	3	33
2-Nitrophenol	ND		8140	5470		ug/Kg	☼	67	46 - 106	2	39
4-Nitrophenol	ND		16300	12400		ug/Kg	☼	76	36 - 127	1	43
N-Nitrosodi-n-propylamine	ND		8140	4600		ug/Kg	☼	56	42 - 107	4	43
N-Nitrosodiphenylamine	ND		8140	4970		ug/Kg	☼	61	44 - 111	5	40
2,2'-oxybis[1-chloropropane]	ND		8140	3760		ug/Kg	☼	46	36 - 101	3	41
Pentachlorophenol	ND		16300	8950		ug/Kg	☼	55	17 - 122	3	52
Phenanthrene	ND		8140	5060		ug/Kg	☼	62	43 - 108	3	39
Phenol	ND		8140	5130		ug/Kg	☼	63	41 - 102	1	39
Pyrene	ND		8140	5150		ug/Kg	☼	63	41 - 115	3	43
1,2,4,5-Tetrachlorobenzene	ND		8140	5090		ug/Kg	☼	63	30 - 125	4	25
2,3,4,6-Tetrachlorophenol	ND		8140	5570		ug/Kg	☼	68	38 - 113	2	83
2,4,5-Trichlorophenol	ND		8140	5240		ug/Kg	☼	64	48 - 108	8	44
2,4,6-Trichlorophenol	ND		8140	5430		ug/Kg	☼	67	50 - 106	4	42

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*60*		*35 - 105*
2-Fluorophenol (Surr)	*66*		*39 - 103*
Nitrobenzene-d5 (Surr)	*62*		*25 - 104*
Phenol-d5 (Surr)	*65*		*25 - 105*
Terphenyl-d14 (Surr)	*63*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*68*		*35 - 124*

Lab Sample ID: MB 180-116431/1-A
Matrix: Solid
Analysis Batch: 116484

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116431

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	6.4	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Acenaphthylene	ND		67	7.6	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Acetophenone	ND		330	27	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Anthracene	ND		67	6.5	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Atrazine	ND		330	32	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Benzaldehyde	ND		330	50	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Benzo[a]anthracene	ND		67	8.4	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Benzo[a]pyrene	ND		67	6.7	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Benzo[b]fluoranthene	ND		67	10	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Benzo[g,h,i]perylene	ND		67	6.6	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Benzo[k]fluoranthene	ND		67	13	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
1,1'-Biphenyl	ND		330	30	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Bis(2-chloroethoxy)methane	ND		330	22	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Bis(2-chloroethyl)ether	ND		67	9.0	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Bis(2-ethylhexyl) phthalate	ND		670	54	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
4-Bromophenyl phenyl ether	ND		330	29	ug/Kg		08/28/14 16:17	08/29/14 10:30	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-116431/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116484 **Prep Batch: 116431**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		330	46	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Caprolactam	ND		1700	250	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Carbazole	ND		67	6.1	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
4-Chloroaniline	ND		330	27	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
4-Chloro-3-methylphenol	ND		330	31	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
2-Chloronaphthalene	ND		67	7.0	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
2-Chlorophenol	ND		330	27	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
4-Chlorophenyl phenyl ether	ND		330	37	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Chrysene	ND		67	7.9	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Dibenz(a,h)anthracene	ND		67	7.4	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Dibenzofuran	ND		330	33	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
3,3'-Dichlorobenzidine	ND		330	35	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
2,4-Dichlorophenol	ND		67	6.7	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Diethyl phthalate	ND		330	36	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
2,4-Dimethylphenol	ND		330	52	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Dimethyl phthalate	ND		330	36	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Di-n-butyl phthalate	ND		330	42	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
4,6-Dinitro-2-methylphenol	ND		1700	130	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
2,4-Dinitrophenol	ND		1700	400	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
2,4-Dinitrotoluene	ND		330	27	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
2,6-Dinitrotoluene	ND		330	34	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Di-n-octyl phthalate	ND		330	35	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
1,4-Dioxane	ND		670	38	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Fluoranthene	ND		67	7.1	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Fluorene	ND		67	8.8	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Hexachlorobenzene	ND		67	7.1	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Hexachlorobutadiene	ND		67	7.5	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Hexachlorocyclopentadiene	ND		330	36	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Hexachloroethane	ND		330	24	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Indeno[1,2,3-cd]pyrene	ND		67	6.9	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Isophorone	ND		330	25	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
2-Methylnaphthalene	ND		67	6.0	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
2-Methylphenol	ND		330	23	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Methylphenol, 3 & 4	ND		330	33	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Naphthalene	ND		67	5.7	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
2-Nitroaniline	ND		1700	150	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
3-Nitroaniline	ND		1700	140	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
4-Nitroaniline	ND		1700	140	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Nitrobenzene	ND		670	28	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
2-Nitrophenol	ND		330	37	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
4-Nitrophenol	ND		1700	120	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
N-Nitrosodi-n-propylamine	ND		67	7.8	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
N-Nitrosodiphenylamine	ND		330	31	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
2,2'-oxybis[1-chloropropane]	ND		67	7.2	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Pentachlorophenol	ND		330	30	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Phenanthrene	ND		67	11	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Phenol	ND		67	7.9	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
Pyrene	ND		67	6.7	ug/Kg		08/28/14 16:17	08/29/14 10:30	1

QC Sample Results

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-116431/1-A
Matrix: Solid
Analysis Batch: 116484

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116431

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		330	25	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
2,3,4,6-Tetrachlorophenol	ND		330	21	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
2,4,5-Trichlorophenol	ND		330	36	ug/Kg		08/28/14 16:17	08/29/14 10:30	1
2,4,6-Trichlorophenol	ND		330	50	ug/Kg		08/28/14 16:17	08/29/14 10:30	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*08/28/14 16:17*	*08/29/14 10:30*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*35 - 105*	*08/28/14 16:17*	*08/29/14 10:30*	*1*
2-Fluorophenol (Surr)	*62*		*39 - 103*	*08/28/14 16:17*	*08/29/14 10:30*	*1*
Nitrobenzene-d5 (Surr)	*63*		*25 - 104*	*08/28/14 16:17*	*08/29/14 10:30*	*1*
Phenol-d5 (Surr)	*62*		*25 - 105*	*08/28/14 16:17*	*08/29/14 10:30*	*1*
Terphenyl-d14 (Surr)	*64*		*25 - 127*	*08/28/14 16:17*	*08/29/14 10:30*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*35 - 124*	*08/28/14 16:17*	*08/29/14 10:30*	*1*

Lab Sample ID: LCS 180-116431/2-A
Matrix: Solid
Analysis Batch: 116484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116431

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	6670	4530		ug/Kg		68	47 - 104
Acenaphthylene	6670	4650		ug/Kg		70	49 - 114
Acetophenone	6670	4400		ug/Kg		66	30 - 150
Anthracene	6670	4590		ug/Kg		69	45 - 112
Atrazine	6670	3840		ug/Kg		58	30 - 150
Benzaldehyde	6670	3380		ug/Kg		51	30 - 150
Benzo[a]anthracene	6670	4810		ug/Kg		72	47 - 110
Benzo[a]pyrene	6670	4710		ug/Kg		71	47 - 112
Benzo[b]fluoranthene	6670	4760		ug/Kg		71	41 - 107
Benzo[g,h,i]perylene	6670	4990		ug/Kg		75	38 - 126
Benzo[k]fluoranthene	6670	4300		ug/Kg		64	44 - 115
1,1'-Biphenyl	6670	4400		ug/Kg		66	30 - 150
Bis(2-chloroethoxy)methane	6670	4250		ug/Kg		64	44 - 101
Bis(2-chloroethyl)ether	6670	4150		ug/Kg		62	38 - 99
Bis(2-ethylhexyl) phthalate	6670	5540		ug/Kg		83	40 - 122
4-Bromophenyl phenyl ether	6670	4440		ug/Kg		67	47 - 110
Butyl benzyl phthalate	6670	5570		ug/Kg		84	41 - 118
Caprolactam	6670	5610		ug/Kg		84	30 - 150
Carbazole	6670	4680		ug/Kg		70	45 - 114
4-Chloroaniline	6670	4410		ug/Kg		66	25 - 108
4-Chloro-3-methylphenol	6670	5320		ug/Kg		80	47 - 109
2-Chloronaphthalene	6670	4060		ug/Kg		61	46 - 101
2-Chlorophenol	6670	4440		ug/Kg		67	40 - 101
4-Chlorophenyl phenyl ether	6670	4640		ug/Kg		70	47 - 109
Chrysene	6670	4940		ug/Kg		74	46 - 111
Dibenz(a,h)anthracene	6670	5010		ug/Kg		75	39 - 127

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-116431/2-A
Matrix: Solid
Analysis Batch: 116484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116431

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenzofuran	6670	4560		ug/Kg		68	46 - 104
3,3'-Dichlorobenzidine	6670	4950		ug/Kg		74	19 - 122
2,4-Dichlorophenol	6670	4840		ug/Kg		73	47 - 105
Diethyl phthalate	6670	4820		ug/Kg		72	47 - 115
2,4-Dimethylphenol	6670	4740		ug/Kg		71	44 - 105
Dimethyl phthalate	6670	4840		ug/Kg		73	49 - 111
Di-n-butyl phthalate	6670	4940		ug/Kg		74	43 - 121
4,6-Dinitro-2-methylphenol	13300	9310		ug/Kg		70	24 - 134
2,4-Dinitrophenol	13300	9460		ug/Kg		71	10 - 146
2,4-Dinitrotoluene	6670	5420		ug/Kg		81	45 - 124
2,6-Dinitrotoluene	6670	4960		ug/Kg		74	50 - 122
Di-n-octyl phthalate	6670	5300		ug/Kg		79	33 - 129
1,4-Dioxane	6670	3910		ug/Kg		59	41 - 102
Fluoranthene	6670	4810		ug/Kg		72	40 - 120
Fluorene	6670	4840		ug/Kg		73	46 - 109
Hexachlorobenzene	6670	4400		ug/Kg		66	47 - 108
Hexachlorobutadiene	6670	4770		ug/Kg		72	43 - 107
Hexachlorocyclopentadiene	6670	4030		ug/Kg		60	23 - 129
Hexachloroethane	6670	4100		ug/Kg		62	37 - 97
Indeno[1,2,3-cd]pyrene	6670	4840		ug/Kg		73	41 - 125
Isophorone	6670	4530		ug/Kg		68	47 - 110
2-Methylnaphthalene	6670	4650		ug/Kg		70	45 - 100
2-Methylphenol	6670	4630		ug/Kg		69	40 - 104
Methylphenol, 3 & 4	6670	4490		ug/Kg		67	42 - 105
Naphthalene	6670	4410		ug/Kg		66	43 - 100
2-Nitroaniline	6670	4950		ug/Kg		74	45 - 117
3-Nitroaniline	6670	4980		ug/Kg		75	34 - 122
4-Nitroaniline	6670	5070		ug/Kg		76	38 - 123
Nitrobenzene	6670	4410		ug/Kg		66	43 - 104
2-Nitrophenol	6670	4840		ug/Kg		73	46 - 106
4-Nitrophenol	13300	11800		ug/Kg		88	36 - 127
N-Nitrosodi-n-propylamine	6670	4070		ug/Kg		61	42 - 107
N-Nitrosodiphenylamine	6670	4510		ug/Kg		68	44 - 111
2,2'-oxybis[1-chloropropane]	6670	3180		ug/Kg		48	36 - 101
Pentachlorophenol	13300	8530		ug/Kg		64	17 - 122
Phenanthrene	6670	4540		ug/Kg		68	43 - 108
Phenol	6670	4360		ug/Kg		65	41 - 102
Pyrene	6670	5010		ug/Kg		75	41 - 115
1,2,4,5-Tetrachlorobenzene	6670	4410		ug/Kg		66	30 - 125
2,3,4,6-Tetrachlorophenol	6670	5310		ug/Kg		80	38 - 113
2,4,5-Trichlorophenol	6670	4830		ug/Kg		72	48 - 108
2,4,6-Trichlorophenol	6670	4780		ug/Kg		72	50 - 106

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*35 - 105*
2-Fluorophenol (Surr)	*68*		*39 - 103*
Nitrobenzene-d5 (Surr)	*67*		*25 - 104*
Phenol-d5 (Surr)	*66*		*25 - 105*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-116431/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116484
Prep Batch: 116431

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14 (Surr)	*76*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*75*		*35 - 124*

Lab Sample ID: 180-35858-15 MS
Client Sample ID: SSHS-B43-A-2-6 (4)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116484
Prep Batch: 116431

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		7400	5170		ug/Kg	☼	70	47 - 104
Acenaphthylene	ND		7400	5180		ug/Kg	☼	70	49 - 114
Acetophenone	ND		7400	4790		ug/Kg	☼	65	30 - 150
Anthracene	ND		7400	5130		ug/Kg	☼	69	45 - 112
Atrazine	ND		7400	4390		ug/Kg	☼	59	30 - 150
Benzaldehyde	ND		7400	1860	F1	ug/Kg	☼	25	30 - 150
Benzo[a]anthracene	ND		7400	5270		ug/Kg	☼	71	47 - 110
Benzo[a]pyrene	ND		7400	5270		ug/Kg	☼	71	47 - 112
Benzo[b]fluoranthene	ND		7400	5120		ug/Kg	☼	69	41 - 107
Benzo[g,h,i]perylene	ND		7400	5980		ug/Kg	☼	81	38 - 126
Benzo[k]fluoranthene	ND		7400	4760		ug/Kg	☼	64	44 - 115
1,1'-Biphenyl	ND		7400	4840		ug/Kg	☼	65	30 - 150
Bis(2-chloroethoxy)methane	ND		7400	4780		ug/Kg	☼	65	44 - 101
Bis(2-chloroethyl)ether	ND		7400	4590		ug/Kg	☼	62	38 - 99
Bis(2-ethylhexyl) phthalate	ND		7400	6010		ug/Kg	☼	81	40 - 122
4-Bromophenyl phenyl ether	ND		7400	4910		ug/Kg	☼	66	47 - 110
Butyl benzyl phthalate	ND		7400	5930		ug/Kg	☼	80	41 - 118
Caprolactam	ND		7400	5380		ug/Kg	☼	73	30 - 150
Carbazole	ND		7400	5490		ug/Kg	☼	74	45 - 114
4-Chloroaniline	ND		7400	4530		ug/Kg	☼	61	25 - 108
4-Chloro-3-methylphenol	ND		7400	5620		ug/Kg	☼	76	47 - 109
2-Chloronaphthalene	ND		7400	4510		ug/Kg	☼	61	46 - 101
2-Chlorophenol	ND		7400	4760		ug/Kg	☼	64	40 - 101
4-Chlorophenyl phenyl ether	ND		7400	5270		ug/Kg	☼	71	47 - 109
Chrysene	ND		7400	5510		ug/Kg	☼	75	46 - 111
Dibenz(a,h)anthracene	ND		7400	5890		ug/Kg	☼	80	39 - 127
Dibenzofuran	ND		7400	5030		ug/Kg	☼	68	46 - 104
3,3'-Dichlorobenzidine	ND		7400	4600		ug/Kg	☼	62	19 - 122
2,4-Dichlorophenol	ND		7400	5150		ug/Kg	☼	70	47 - 105
Diethyl phthalate	ND		7400	5590		ug/Kg	☼	76	47 - 115
2,4-Dimethylphenol	ND		7400	4270		ug/Kg	☼	58	44 - 105
Dimethyl phthalate	ND		7400	5540		ug/Kg	☼	75	49 - 111
Di-n-butyl phthalate	ND		7400	5680		ug/Kg	☼	77	43 - 121
4,6-Dinitro-2-methylphenol	ND		14800	8820		ug/Kg	☼	60	24 - 134
2,4-Dinitrophenol	ND		14800	6340		ug/Kg	☼	43	10 - 146
2,4-Dinitrotoluene	ND		7400	6300		ug/Kg	☼	85	45 - 124
2,6-Dinitrotoluene	ND		7400	5650		ug/Kg	☼	76	50 - 122
Di-n-octyl phthalate	ND		7400	5810		ug/Kg	☼	79	33 - 129
1,4-Dioxane	ND		7400	4270		ug/Kg	☼	58	41 - 102
Fluoranthene	ND		7400	5620		ug/Kg	☼	76	40 - 120

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

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35858-15 MS
Matrix: Solid
Analysis Batch: 116484

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 116431

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	ND		7400	5420		ug/Kg	☼	73	46 - 109
Hexachlorobenzene	ND		7400	4740		ug/Kg	☼	64	47 - 108
Hexachlorobutadiene	ND		7400	5180		ug/Kg	☼	70	43 - 107
Hexachlorocyclopentadiene	ND		7400	3650		ug/Kg	☼	49	23 - 129
Hexachloroethane	ND		7400	4590		ug/Kg	☼	62	37 - 97
Indeno[1,2,3-cd]pyrene	ND		7400	5710		ug/Kg	☼	77	41 - 125
Isophorone	ND		7400	4970		ug/Kg	☼	67	47 - 110
2-Methylnaphthalene	ND		7400	4930		ug/Kg	☼	67	45 - 100
2-Methylphenol	ND		7400	4750		ug/Kg	☼	64	40 - 104
Methylphenol, 3 & 4	ND		7400	4560		ug/Kg	☼	62	42 - 105
Naphthalene	ND		7400	4800		ug/Kg	☼	65	43 - 100
2-Nitroaniline	ND		7400	5670		ug/Kg	☼	77	45 - 117
3-Nitroaniline	ND		7400	5630		ug/Kg	☼	76	34 - 122
4-Nitroaniline	ND		7400	6020		ug/Kg	☼	81	38 - 123
Nitrobenzene	ND		7400	4730		ug/Kg	☼	64	43 - 104
2-Nitrophenol	ND		7400	5070		ug/Kg	☼	68	46 - 106
4-Nitrophenol	ND		14800	12600		ug/Kg	☼	85	36 - 127
N-Nitrosodi-n-propylamine	ND		7400	4420		ug/Kg	☼	60	42 - 107
N-Nitrosodiphenylamine	ND		7400	4810		ug/Kg	☼	65	44 - 111
2,2'-oxybis[1-chloropropane]	ND		7400	3470		ug/Kg	☼	47	36 - 101
Pentachlorophenol	ND		14800	8500		ug/Kg	☼	57	17 - 122
Phenanthrene	ND		7400	5040		ug/Kg	☼	68	43 - 108
Phenol	ND		7400	4640		ug/Kg	☼	63	41 - 102
Pyrene	ND		7400	5150		ug/Kg	☼	70	41 - 115
1,2,4,5-Tetrachlorobenzene	ND		7400	4880		ug/Kg	☼	66	30 - 125
2,3,4,6-Tetrachlorophenol	ND		7400	5290		ug/Kg	☼	71	38 - 113
2,4,5-Trichlorophenol	ND		7400	5130		ug/Kg	☼	69	48 - 108
2,4,6-Trichlorophenol	ND		7400	5210		ug/Kg	☼	70	50 - 106

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*35 - 105*
2-Fluorophenol (Surr)	*63*		*39 - 103*
Nitrobenzene-d5 (Surr)	*64*		*25 - 104*
Phenol-d5 (Surr)	*64*		*25 - 105*
Terphenyl-d14 (Surr)	*68*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*70*		*35 - 124*

Lab Sample ID: 180-35858-15 MSD
Matrix: Solid
Analysis Batch: 116484

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 116431

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		7400	4870		ug/Kg	☼	66	47 - 104	6	40
Acenaphthylene	ND		7400	4910		ug/Kg	☼	66	49 - 114	5	38
Acetophenone	ND		7400	4710		ug/Kg	☼	64	30 - 150	2	40
Anthracene	ND		7400	4880		ug/Kg	☼	66	45 - 112	5	42
Atrazine	ND		7400	4110		ug/Kg	☼	56	30 - 150	7	40
Benzaldehyde	ND		7400	1840	F1	ug/Kg	☼	25	30 - 150	1	40

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35858-15 MSD
Matrix: Solid
Analysis Batch: 116484

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 116431

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene	ND		7400	5120		ug/Kg	☼	69	47 - 110	3	40
Benzo[a]pyrene	ND		7400	5110		ug/Kg	☼	69	47 - 112	3	42
Benzo[b]fluoranthene	ND		7400	4930		ug/Kg	☼	67	41 - 107	4	53
Benzo[g,h,i]perylene	ND		7400	5760		ug/Kg	☼	78	38 - 126	4	43
Benzo[k]fluoranthene	ND		7400	4720		ug/Kg	☼	64	44 - 115	1	44
1,1'-Biphenyl	ND		7400	4740		ug/Kg	☼	64	30 - 150	2	40
Bis(2-chloroethoxy)methane	ND		7400	4620		ug/Kg	☼	62	44 - 101	3	36
Bis(2-chloroethyl)ether	ND		7400	4420		ug/Kg	☼	60	38 - 99	4	43
Bis(2-ethylhexyl) phthalate	ND		7400	5840		ug/Kg	☼	79	40 - 122	3	41
4-Bromophenyl phenyl ether	ND		7400	4620		ug/Kg	☼	62	47 - 110	6	46
Butyl benzyl phthalate	ND		7400	5820		ug/Kg	☼	79	41 - 118	2	41
Caprolactam	ND		7400	5000		ug/Kg	☼	68	30 - 150	7	40
Carbazole	ND		7400	5080		ug/Kg	☼	69	45 - 114	8	36
4-Chloroaniline	ND		7400	4330		ug/Kg	☼	58	25 - 108	5	36
4-Chloro-3-methylphenol	ND		7400	5350		ug/Kg	☼	72	47 - 109	5	36
2-Chloronaphthalene	ND		7400	4280		ug/Kg	☼	58	46 - 101	5	40
2-Chlorophenol	ND		7400	4690		ug/Kg	☼	63	40 - 101	2	42
4-Chlorophenyl phenyl ether	ND		7400	4920		ug/Kg	☼	67	47 - 109	7	39
Chrysene	ND		7400	5270		ug/Kg	☼	71	46 - 111	5	39
Dibenz(a,h)anthracene	ND		7400	5800		ug/Kg	☼	78	39 - 127	2	45
Dibenzofuran	ND		7400	4760		ug/Kg	☼	64	46 - 104	6	38
3,3'-Dichlorobenzidine	ND		7400	4570		ug/Kg	☼	62	19 - 122	1	40
2,4-Dichlorophenol	ND		7400	5010		ug/Kg	☼	68	47 - 105	3	35
Diethyl phthalate	ND		7400	5190		ug/Kg	☼	70	47 - 115	7	38
2,4-Dimethylphenol	ND		7400	4140		ug/Kg	☼	56	44 - 105	3	49
Dimethyl phthalate	ND		7400	5150		ug/Kg	☼	70	49 - 111	7	37
Di-n-butyl phthalate	ND		7400	5330		ug/Kg	☼	72	43 - 121	6	38
4,6-Dinitro-2-methylphenol	ND		14800	8550		ug/Kg	☼	58	24 - 134	3	87
2,4-Dinitrophenol	ND		14800	6050		ug/Kg	☼	41	10 - 146	5	83
2,4-Dinitrotoluene	ND		7400	5800		ug/Kg	☼	78	45 - 124	8	41
2,6-Dinitrotoluene	ND		7400	5240		ug/Kg	☼	71	50 - 122	8	40
Di-n-octyl phthalate	ND		7400	5540		ug/Kg	☼	75	33 - 129	5	41
1,4-Dioxane	ND		7400	4040		ug/Kg	☼	55	41 - 102	5	35
Fluoranthene	ND		7400	5330		ug/Kg	☼	72	40 - 120	5	36
Fluorene	ND		7400	5070		ug/Kg	☼	68	46 - 109	7	40
Hexachlorobenzene	ND		7400	4550		ug/Kg	☼	61	47 - 108	4	43
Hexachlorobutadiene	ND		7400	5000		ug/Kg	☼	68	43 - 107	4	39
Hexachlorocyclopentadiene	ND		7400	3550		ug/Kg	☼	48	23 - 129	3	49
Hexachloroethane	ND		7400	4540		ug/Kg	☼	61	37 - 97	1	48
Indeno[1,2,3-cd]pyrene	ND		7400	5510		ug/Kg	☼	74	41 - 125	3	47
Isophorone	ND		7400	4770		ug/Kg	☼	64	47 - 110	4	37
2-Methylnaphthalene	ND		7400	4750		ug/Kg	☼	64	45 - 100	4	40
2-Methylphenol	ND		7400	4710		ug/Kg	☼	64	40 - 104	1	41
Methylphenol, 3 & 4	ND		7400	4540		ug/Kg	☼	61	42 - 105	0	43
Naphthalene	ND		7400	4700		ug/Kg	☼	63	43 - 100	2	32
2-Nitroaniline	ND		7400	5290		ug/Kg	☼	71	45 - 117	7	42
3-Nitroaniline	ND		7400	5260		ug/Kg	☼	71	34 - 122	7	39
4-Nitroaniline	ND		7400	5230		ug/Kg	☼	71	38 - 123	14	40

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-35858-15 MSD
Matrix: Solid
Analysis Batch: 116484

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 116431

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrobenzene	ND		7400	4690		ug/Kg	☼	63	43 - 104	1	33
2-Nitrophenol	ND		7400	5070		ug/Kg	☼	68	46 - 106	0	39
4-Nitrophenol	ND		14800	11600		ug/Kg	☼	79	36 - 127	8	43
N-Nitrosodi-n-propylamine	ND		7400	4360		ug/Kg	☼	59	42 - 107	1	43
N-Nitrosodiphenylamine	ND		7400	4570		ug/Kg	☼	62	44 - 111	5	40
2,2'-oxybis[1-chloropropane]	ND		7400	3350		ug/Kg	☼	45	36 - 101	3	41
Pentachlorophenol	ND		14800	8070		ug/Kg	☼	55	17 - 122	5	52
Phenanthrene	ND		7400	4730		ug/Kg	☼	64	43 - 108	6	39
Phenol	ND		7400	4550		ug/Kg	☼	62	41 - 102	2	39
Pyrene	ND		7400	5070		ug/Kg	☼	69	41 - 115	1	43
1,2,4,5-Tetrachlorobenzene	ND		7400	4630		ug/Kg	☼	63	30 - 125	5	25
2,3,4,6-Tetrachlorophenol	ND		7400	5010		ug/Kg	☼	68	38 - 113	5	83
2,4,5-Trichlorophenol	ND		7400	4910		ug/Kg	☼	66	48 - 108	4	44
2,4,6-Trichlorophenol	ND		7400	5010		ug/Kg	☼	68	50 - 106	4	42

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*61*		*35 - 105*
2-Fluorophenol (Surr)	*61*		*39 - 103*
Nitrobenzene-d5 (Surr)	*62*		*25 - 104*
Phenol-d5 (Surr)	*63*		*25 - 105*
Terphenyl-d14 (Surr)	*67*		*25 - 127*
2,4,6-Tribromophenol (Surr)	*66*		*35 - 124*

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

Lab Sample ID: MB 180-115557/1-A
Matrix: Water
Analysis Batch: 115899

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115557

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.029	ug/L		08/21/14 08:25	08/25/14 11:10	1
Acenaphthylene	ND		0.20	0.022	ug/L		08/21/14 08:25	08/25/14 11:10	1
Acetophenone	ND		2.0	0.11	ug/L		08/21/14 08:25	08/25/14 11:10	1
Anthracene	ND		0.20	0.019	ug/L		08/21/14 08:25	08/25/14 11:10	1
Atrazine	ND		2.0	0.22	ug/L		08/21/14 08:25	08/25/14 11:10	1
Benzaldehyde	ND		2.0	0.11	ug/L		08/21/14 08:25	08/25/14 11:10	1
Benzo[a]anthracene	ND		0.20	0.037	ug/L		08/21/14 08:25	08/25/14 11:10	1
Benzo[a]pyrene	ND		0.20	0.028	ug/L		08/21/14 08:25	08/25/14 11:10	1
Benzo[b]fluoranthene	ND		0.20	0.049	ug/L		08/21/14 08:25	08/25/14 11:10	1
Benzo[g,h,i]perylene	ND		0.20	0.029	ug/L		08/21/14 08:25	08/25/14 11:10	1
Benzo[k]fluoranthene	ND		0.20	0.030	ug/L		08/21/14 08:25	08/25/14 11:10	1
1,1'-Biphenyl	ND		1.0	0.11	ug/L		08/21/14 08:25	08/25/14 11:10	1
Bis(2-chloroethoxy)methane	ND		1.0	0.13	ug/L		08/21/14 08:25	08/25/14 11:10	1
Bis(2-chloroethyl)ether	ND		1.0	0.032	ug/L		08/21/14 08:25	08/25/14 11:10	1
Bis(2-ethylhexyl) phthalate	ND		2.0	0.44	ug/L		08/21/14 08:25	08/25/14 11:10	1
4-Bromophenyl phenyl ether	ND		1.0	0.12	ug/L		08/21/14 08:25	08/25/14 11:10	1
Butyl benzyl phthalate	ND		1.0	0.21	ug/L		08/21/14 08:25	08/25/14 11:10	1
Caprolactam	ND		5.0	1.5	ug/L		08/21/14 08:25	08/25/14 11:10	1

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

Lab Sample ID: MB 180-115557/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 115899 **Prep Batch: 115557**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		1.0	0.027	ug/L		08/21/14 08:25	08/25/14 11:10	1
4-Chloroaniline	ND		1.0	0.29	ug/L		08/21/14 08:25	08/25/14 11:10	1
4-Chloro-3-methylphenol	ND		1.0	0.17	ug/L		08/21/14 08:25	08/25/14 11:10	1
2-Chloronaphthalene	ND		0.20	0.031	ug/L		08/21/14 08:25	08/25/14 11:10	1
2-Chlorophenol	ND		1.0	0.23	ug/L		08/21/14 08:25	08/25/14 11:10	1
4-Chlorophenyl phenyl ether	ND		1.0	0.080	ug/L		08/21/14 08:25	08/25/14 11:10	1
Chrysene	ND		0.20	0.031	ug/L		08/21/14 08:25	08/25/14 11:10	1
Dibenz(a,h)anthracene	ND		0.20	0.027	ug/L		08/21/14 08:25	08/25/14 11:10	1
Dibenzofuran	ND		1.0	0.097	ug/L		08/21/14 08:25	08/25/14 11:10	1
3,3'-Dichlorobenzidine	ND		1.0	0.15	ug/L		08/21/14 08:25	08/25/14 11:10	1
2,4-Dichlorophenol	ND		1.0	0.067	ug/L		08/21/14 08:25	08/25/14 11:10	1
Diethyl phthalate	ND		1.0	0.30	ug/L		08/21/14 08:25	08/25/14 11:10	1
2,4-Dimethylphenol	ND		1.0	0.17	ug/L		08/21/14 08:25	08/25/14 11:10	1
Dimethyl phthalate	ND		1.0	0.18	ug/L		08/21/14 08:25	08/25/14 11:10	1
Di-n-butyl phthalate	ND		1.0	0.24	ug/L		08/21/14 08:25	08/25/14 11:10	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.6	ug/L		08/21/14 08:25	08/25/14 11:10	1
2,4-Dinitrophenol	ND		5.0	2.5	ug/L		08/21/14 08:25	08/25/14 11:10	1
2,4-Dinitrotoluene	ND		1.0	0.21	ug/L		08/21/14 08:25	08/25/14 11:10	1
2,6-Dinitrotoluene	ND		1.0	0.14	ug/L		08/21/14 08:25	08/25/14 11:10	1
Di-n-octyl phthalate	ND		1.0	0.20	ug/L		08/21/14 08:25	08/25/14 11:10	1
1,4-Dioxane	ND		2.0	0.052	ug/L		08/21/14 08:25	08/25/14 11:10	1
Fluoranthene	ND		0.20	0.021	ug/L		08/21/14 08:25	08/25/14 11:10	1
Fluorene	ND		0.20	0.024	ug/L		08/21/14 08:25	08/25/14 11:10	1
Hexachlorobenzene	ND		1.0	0.061	ug/L		08/21/14 08:25	08/25/14 11:10	1
Hexachlorobutadiene	ND		1.0	0.094	ug/L		08/21/14 08:25	08/25/14 11:10	1
Hexachlorocyclopentadiene	ND		1.0	0.14	ug/L		08/21/14 08:25	08/25/14 11:10	1
Hexachloroethane	ND		1.0	0.14	ug/L		08/21/14 08:25	08/25/14 11:10	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		08/21/14 08:25	08/25/14 11:10	1
Isophorone	ND		1.0	0.074	ug/L		08/21/14 08:25	08/25/14 11:10	1
2-Methylnaphthalene	ND		0.20	0.019	ug/L		08/21/14 08:25	08/25/14 11:10	1
2-Methylphenol	ND		1.0	0.19	ug/L		08/21/14 08:25	08/25/14 11:10	1
Methylphenol, 3 & 4	ND		1.0	0.21	ug/L		08/21/14 08:25	08/25/14 11:10	1
Naphthalene	ND		0.20	0.023	ug/L		08/21/14 08:25	08/25/14 11:10	1
2-Nitroaniline	ND		5.0	0.67	ug/L		08/21/14 08:25	08/25/14 11:10	1
3-Nitroaniline	ND		5.0	0.81	ug/L		08/21/14 08:25	08/25/14 11:10	1
4-Nitroaniline	ND		5.0	0.77	ug/L		08/21/14 08:25	08/25/14 11:10	1
Nitrobenzene	ND		2.0	0.15	ug/L		08/21/14 08:25	08/25/14 11:10	1
2-Nitrophenol	ND		1.0	0.11	ug/L		08/21/14 08:25	08/25/14 11:10	1
4-Nitrophenol	ND		5.0	0.80	ug/L		08/21/14 08:25	08/25/14 11:10	1
N-Nitrosodi-n-propylamine	ND		1.0	0.050	ug/L		08/21/14 08:25	08/25/14 11:10	1
N-Nitrosodiphenylamine	ND		1.0	0.12	ug/L		08/21/14 08:25	08/25/14 11:10	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.024	ug/L		08/21/14 08:25	08/25/14 11:10	1
Pentachlorophenol	ND		1.0	0.50	ug/L		08/21/14 08:25	08/25/14 11:10	1
Phenanthrene	ND		0.20	0.042	ug/L		08/21/14 08:25	08/25/14 11:10	1
Phenol	ND		1.0	0.055	ug/L		08/21/14 08:25	08/25/14 11:10	1
Pyrene	ND		0.20	0.023	ug/L		08/21/14 08:25	08/25/14 11:10	1
1,2,4,5-Tetrachlorobenzene	ND		1.0	0.076	ug/L		08/21/14 08:25	08/25/14 11:10	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.11	ug/L		08/21/14 08:25	08/25/14 11:10	1

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

Lab Sample ID: MB 180-115557/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 115899 **Prep Batch: 115557**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		1.0	0.12	ug/L		08/21/14 08:25	08/25/14 11:10	1
2,4,6-Trichlorophenol	ND		1.0	0.30	ug/L		08/21/14 08:25	08/25/14 11:10	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*08/21/14 08:25*	*08/25/14 11:10*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*30 - 150*	*08/21/14 08:25*	*08/25/14 11:10*	*1*
2-Fluorophenol (Surr)	*91*		*30 - 150*	*08/21/14 08:25*	*08/25/14 11:10*	*1*
Nitrobenzene-d5 (Surr)	*84*		*30 - 150*	*08/21/14 08:25*	*08/25/14 11:10*	*1*
Phenol-d5 (Surr)	*81*		*30 - 150*	*08/21/14 08:25*	*08/25/14 11:10*	*1*
Terphenyl-d14 (Surr)	*86*		*10 - 150*	*08/21/14 08:25*	*08/25/14 11:10*	*1*
2,4,6-Tribromophenol (Surr)	*87*		*30 - 150*	*08/21/14 08:25*	*08/25/14 11:10*	*1*

Lab Sample ID: LCS 180-115557/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 115899 **Prep Batch: 115557**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	20.0	15.9		ug/L		79	30 - 150
Acenaphthylene	20.0	15.9		ug/L		80	30 - 150
Acetophenone	20.0	13.6		ug/L		68	30 - 150
Anthracene	20.0	16.5		ug/L		83	30 - 150
Atrazine	20.0	16.8		ug/L		84	30 - 150
Benzaldehyde	20.0	26.8		ug/L		134	30 - 150
Benzo[a]anthracene	20.0	15.0		ug/L		75	30 - 150
Benzo[a]pyrene	20.0	16.2		ug/L		81	30 - 150
Benzo[b]fluoranthene	20.0	16.1		ug/L		80	30 - 150
Benzo[g,h,i]perylene	20.0	14.7		ug/L		74	30 - 150
Benzo[k]fluoranthene	20.0	15.5		ug/L		78	30 - 150
1,1'-Biphenyl	20.0	16.2		ug/L		81	30 - 150
Bis(2-chloroethoxy)methane	20.0	14.6		ug/L		73	30 - 150
Bis(2-chloroethyl)ether	20.0	14.4		ug/L		72	30 - 150
Bis(2-ethylhexyl) phthalate	20.0	17.9		ug/L		89	30 - 150
4-Bromophenyl phenyl ether	20.0	18.7		ug/L		93	30 - 150
Butyl benzyl phthalate	20.0	18.2		ug/L		91	30 - 150
Caprolactam	20.0	14.9		ug/L		75	30 - 150
Carbazole	20.0	15.4		ug/L		77	30 - 150
4-Chloroaniline	20.0	14.4		ug/L		72	10 - 150
4-Chloro-3-methylphenol	20.0	15.5		ug/L		77	30 - 150
2-Chloronaphthalene	20.0	14.8		ug/L		74	30 - 150
2-Chlorophenol	20.0	14.8		ug/L		74	30 - 150
4-Chlorophenyl phenyl ether	20.0	15.3		ug/L		77	30 - 150
Chrysene	20.0	14.9		ug/L		75	30 - 150
Dibenz(a,h)anthracene	20.0	15.3		ug/L		77	30 - 150
Dibenzofuran	20.0	15.2		ug/L		76	30 - 150
3,3'-Dichlorobenzidine	20.0	18.7		ug/L		94	10 - 150

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

Lab Sample ID: LCS 180-115557/2-A
Matrix: Water
Analysis Batch: 115899

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115557

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dichlorophenol	20.0	15.5		ug/L		77	30 - 150
Diethyl phthalate	20.0	17.3		ug/L		87	30 - 150
2,4-Dimethylphenol	20.0	16.3		ug/L		81	30 - 150
Dimethyl phthalate	20.0	16.5		ug/L		82	30 - 150
Di-n-butyl phthalate	20.0	17.4		ug/L		87	30 - 150
4,6-Dinitro-2-methylphenol	40.0	37.5		ug/L		94	30 - 150
2,4-Dinitrophenol	40.0	33.8		ug/L		85	10 - 150
2,4-Dinitrotoluene	20.0	17.7		ug/L		89	30 - 150
2,6-Dinitrotoluene	20.0	16.6		ug/L		83	30 - 150
Di-n-octyl phthalate	20.0	14.6		ug/L		73	10 - 150
1,4-Dioxane	20.0	15.8		ug/L		79	30 - 150
Fluoranthene	20.0	16.8		ug/L		84	30 - 150
Fluorene	20.0	16.1		ug/L		81	30 - 150
Hexachlorobenzene	20.0	18.2		ug/L		91	30 - 150
Hexachlorobutadiene	20.0	15.3		ug/L		76	30 - 150
Hexachlorocyclopentadiene	20.0	19.1		ug/L		95	30 - 150
Hexachloroethane	20.0	13.3		ug/L		66	30 - 150
Indeno[1,2,3-cd]pyrene	20.0	15.3		ug/L		77	30 - 150
Isophorone	20.0	16.3		ug/L		82	30 - 150
2-Methylnaphthalene	20.0	14.1		ug/L		71	30 - 150
2-Methylphenol	20.0	15.6		ug/L		78	30 - 150
Methylphenol, 3 & 4	20.0	15.6		ug/L		78	30 - 150
Naphthalene	20.0	14.6		ug/L		73	30 - 150
2-Nitroaniline	20.0	18.4		ug/L		92	30 - 150
3-Nitroaniline	20.0	15.7		ug/L		79	10 - 150
4-Nitroaniline	20.0	16.8		ug/L		84	30 - 150
Nitrobenzene	20.0	16.3		ug/L		81	30 - 150
2-Nitrophenol	20.0	17.0		ug/L		85	30 - 150
4-Nitrophenol	40.0	38.8		ug/L		97	30 - 150
N-Nitrosodi-n-propylamine	20.0	14.7		ug/L		74	30 - 150
N-Nitrosodiphenylamine	20.0	17.6		ug/L		88	30 - 150
2,2'-oxybis[1-chloropropane]	20.0	14.0		ug/L		70	30 - 150
Pentachlorophenol	40.0	39.3		ug/L		98	10 - 150
Phenanthrene	20.0	15.7		ug/L		79	30 - 150
Phenol	20.0	15.4		ug/L		77	30 - 150
Pyrene	20.0	16.6		ug/L		83	30 - 150
1,2,4,5-Tetrachlorobenzene	20.0	17.0		ug/L		85	30 - 150
2,3,4,6-Tetrachlorophenol	20.0	17.1		ug/L		85	30 - 150
2,4,5-Trichlorophenol	20.0	17.4		ug/L		87	30 - 150
2,4,6-Trichlorophenol	20.0	17.8		ug/L		89	30 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*30 - 150*
2-Fluorophenol (Surr)	*85*		*30 - 150*
Nitrobenzene-d5 (Surr)	*81*		*30 - 150*
Phenol-d5 (Surr)	*77*		*30 - 150*
Terphenyl-d14 (Surr)	*86*		*10 - 150*
2,4,6-Tribromophenol (Surr)	*101*		*30 - 150*

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

Lab Sample ID: LCSD 180-115557/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 115899 **Prep Batch: 115557**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	19.2	15.2		ug/L		79	30 - 150	4	35
Acenaphthylene	19.2	14.9		ug/L		77	30 - 150	7	35
Acetophenone	19.2	12.5		ug/L		65	30 - 150	8	35
Anthracene	19.2	15.4		ug/L		80	30 - 150	7	35
Atrazine	19.2	15.9		ug/L		83	30 - 150	6	35
Benzaldehyde	19.2	23.5		ug/L		122	30 - 150	13	35
Benzo[a]anthracene	19.2	14.3		ug/L		74	30 - 150	5	35
Benzo[a]pyrene	19.2	15.5		ug/L		80	30 - 150	5	35
Benzo[b]fluoranthene	19.2	15.0		ug/L		78	30 - 150	7	35
Benzo[g,h,i]perylene	19.2	14.2		ug/L		74	30 - 150	3	35
Benzo[k]fluoranthene	19.2	15.5		ug/L		81	30 - 150	0	35
1,1'-Biphenyl	19.2	15.3		ug/L		79	30 - 150	6	35
Bis(2-chloroethoxy)methane	19.2	13.8		ug/L		72	30 - 150	6	35
Bis(2-chloroethyl)ether	19.2	13.2		ug/L		68	30 - 150	9	35
Bis(2-ethylhexyl) phthalate	19.2	17.2		ug/L		90	30 - 150	4	35
4-Bromophenyl phenyl ether	19.2	17.6		ug/L		92	30 - 150	6	35
Butyl benzyl phthalate	19.2	17.3		ug/L		90	30 - 150	5	35
Caprolactam	19.2	14.1		ug/L		73	30 - 150	6	35
Carbazole	19.2	14.5		ug/L		75	30 - 150	6	35
4-Chloroaniline	19.2	13.5		ug/L		70	10 - 150	7	35
4-Chloro-3-methylphenol	19.2	14.7		ug/L		77	30 - 150	5	35
2-Chloronaphthalene	19.2	13.9		ug/L		72	30 - 150	6	35
2-Chlorophenol	19.2	13.8		ug/L		72	30 - 150	7	35
4-Chlorophenyl phenyl ether	19.2	14.8		ug/L		77	30 - 150	3	35
Chrysene	19.2	14.3		ug/L		74	30 - 150	4	35
Dibenz(a,h)anthracene	19.2	14.7		ug/L		76	30 - 150	4	35
Dibenzofuran	19.2	14.2		ug/L		74	30 - 150	7	35
3,3'-Dichlorobenzidine	19.2	17.8		ug/L		92	10 - 150	5	35
2,4-Dichlorophenol	19.2	14.9		ug/L		78	30 - 150	3	35
Diethyl phthalate	19.2	16.7		ug/L		87	30 - 150	4	35
2,4-Dimethylphenol	19.2	15.4		ug/L		80	30 - 150	6	35
Dimethyl phthalate	19.2	15.5		ug/L		80	30 - 150	6	35
Di-n-butyl phthalate	19.2	16.3		ug/L		85	30 - 150	6	35
4,6-Dinitro-2-methylphenol	38.5	34.8		ug/L		90	30 - 150	8	35
2,4-Dinitrophenol	38.5	32.5		ug/L		84	10 - 150	4	35
2,4-Dinitrotoluene	19.2	16.9		ug/L		88	30 - 150	5	35
2,6-Dinitrotoluene	19.2	15.8		ug/L		82	30 - 150	5	35
Di-n-octyl phthalate	19.2	14.1		ug/L		73	10 - 150	4	35
1,4-Dioxane	19.2	14.9		ug/L		78	30 - 150	6	35
Fluoranthene	19.2	15.7		ug/L		81	30 - 150	7	35
Fluorene	19.2	15.3		ug/L		80	30 - 150	5	35
Hexachlorobenzene	19.2	17.1		ug/L		89	30 - 150	6	35
Hexachlorobutadiene	19.2	14.8		ug/L		77	30 - 150	3	35
Hexachlorocyclopentadiene	19.2	18.2		ug/L		94	30 - 150	5	35
Hexachloroethane	19.2	12.2		ug/L		64	30 - 150	8	35
Indeno[1,2,3-cd]pyrene	19.2	14.6		ug/L		76	30 - 150	5	35
Isophorone	19.2	15.5		ug/L		81	30 - 150	5	35
2-Methylnaphthalene	19.2	13.3		ug/L		69	30 - 150	6	35

QC Sample Results

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

Lab Sample ID: LCSD 180-115557/3-A
Matrix: Water
Analysis Batch: 115899

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115557

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylphenol	19.2	14.3		ug/L		74	30 - 150	9	35
Methylphenol, 3 & 4	19.2	14.3		ug/L		74	30 - 150	9	35
Naphthalene	19.2	14.0		ug/L		73	30 - 150	4	35
2-Nitroaniline	19.2	17.3		ug/L		90	30 - 150	6	35
3-Nitroaniline	19.2	14.8		ug/L		77	10 - 150	6	35
4-Nitroaniline	19.2	15.8		ug/L		82	30 - 150	6	35
Nitrobenzene	19.2	15.4		ug/L		80	30 - 150	5	35
2-Nitrophenol	19.2	16.3		ug/L		85	30 - 150	4	35
4-Nitrophenol	38.5	36.2		ug/L		94	30 - 150	7	35
N-Nitrosodi-n-propylamine	19.2	13.6		ug/L		71	30 - 150	8	35
N-Nitrosodiphenylamine	19.2	16.6		ug/L		86	30 - 150	6	35
2,2'-oxybis[1-chloropropane]	19.2	12.7		ug/L		66	30 - 150	10	35
Pentachlorophenol	38.5	37.4		ug/L		97	10 - 150	5	35
Phenanthrene	19.2	14.7		ug/L		76	30 - 150	7	35
Phenol	19.2	14.1		ug/L		73	30 - 150	9	35
Pyrene	19.2	16.1		ug/L		84	30 - 150	3	35
1,2,4,5-Tetrachlorobenzene	19.2	16.1		ug/L		84	30 - 150	6	35
2,3,4,6-Tetrachlorophenol	19.2	16.3		ug/L		85	30 - 150	5	35
2,4,5-Trichlorophenol	19.2	16.3		ug/L		85	30 - 150	6	35
2,4,6-Trichlorophenol	19.2	16.8		ug/L		87	30 - 150	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*79*		*30 - 150*
2-Fluorophenol (Surr)	*81*		*30 - 150*
Nitrobenzene-d5 (Surr)	*81*		*30 - 150*
Phenol-d5 (Surr)	*75*		*30 - 150*
Terphenyl-d14 (Surr)	*87*		*10 - 150*
2,4,6-Tribromophenol (Surr)	*98*		*30 - 150*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-116335/1-A
Matrix: Solid
Analysis Batch: 116496

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116335

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.30	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
alpha-BHC	ND		1.7	0.27	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
alpha-Chlordane	ND		1.7	0.33	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
beta-BHC	ND		1.7	0.43	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
4,4'-DDD	ND		1.7	0.22	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
delta-BHC	ND		1.7	0.26	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
Dieldrin	ND		1.7	0.28	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
Endosulfan I	ND		1.7	0.31	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
Endosulfan II	ND		1.7	0.29	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
Endosulfan sulfate	ND		1.7	0.17	ug/Kg		08/28/14 09:02	08/30/14 01:26	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 180-116335/1-A
Matrix: Solid
Analysis Batch: 116496

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116335

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		1.7	0.32	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
Endrin aldehyde	ND		1.7	0.32	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
Endrin ketone	ND		1.7	0.26	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
gamma-BHC (Lindane)	ND		1.7	0.29	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
gamma-Chlordane	ND		1.7	0.33	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
Heptachlor	ND		1.7	0.37	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
Heptachlor epoxide	ND		1.7	0.32	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
Methoxychlor	ND		3.3	0.35	ug/Kg		08/28/14 09:02	08/30/14 01:26	1
Toxaphene	ND		67	11	ug/Kg		08/28/14 09:02	08/30/14 01:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*99*		*45 - 130*	*08/28/14 09:02*	*08/30/14 01:26*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 130*	*08/28/14 09:02*	*08/30/14 01:26*	*1*
Tetrachloro-m-xylene	*99*		*45 - 130*	*08/28/14 09:02*	*08/30/14 01:26*	*1*
Tetrachloro-m-xylene	*94*		*45 - 130*	*08/28/14 09:02*	*08/30/14 01:26*	*1*

Lab Sample ID: LCS 180-116335/2-A
Matrix: Solid
Analysis Batch: 116496

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116335

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	33.3	33.1		ug/Kg		99	70 - 123
alpha-BHC	33.3	31.1		ug/Kg		93	59 - 127
alpha-Chlordane	33.3	33.2		ug/Kg		100	71 - 130
beta-BHC	33.3	31.6		ug/Kg		95	70 - 138
4,4'-DDD	33.3	33.6		ug/Kg		101	65 - 135
4,4'-DDE	33.3	32.9		ug/Kg		99	70 - 133
4,4'-DDT	33.3	30.3		ug/Kg		91	10 - 140
delta-BHC	33.3	29.2		ug/Kg		87	40 - 124
Dieldrin	33.3	33.5		ug/Kg		101	70 - 123
Endosulfan I	33.3	33.5		ug/Kg		101	62 - 126
Endosulfan II	33.3	34.1		ug/Kg		102	65 - 128
Endosulfan sulfate	33.3	31.1		ug/Kg		93	55 - 140
Endrin	33.3	34.0		ug/Kg		102	70 - 127
Endrin aldehyde	33.3	33.2		ug/Kg		100	65 - 122
Endrin ketone	33.3	31.0		ug/Kg		93	59 - 132
gamma-BHC (Lindane)	33.3	32.4		ug/Kg		97	66 - 124
gamma-Chlordane	33.3	33.0		ug/Kg		99	68 - 123
Heptachlor	33.3	31.9		ug/Kg		96	70 - 128
Heptachlor epoxide	33.3	33.1		ug/Kg		99	69 - 131
Methoxychlor	33.3	29.0		ug/Kg		87	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*98*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 130*
Tetrachloro-m-xylene	*100*		*45 - 130*
Tetrachloro-m-xylene	*95*		*45 - 130*

QC Sample Results

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35858-4 MS
Matrix: Solid
Analysis Batch: 116496

Client Sample ID: SSHS-B72-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116335

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		40.2	34.5		ug/Kg	☼	86	70 - 123
alpha-BHC	ND		40.2	32.1		ug/Kg	☼	80	59 - 127
alpha-Chlordane	ND		40.2	34.5		ug/Kg	☼	86	71 - 130
beta-BHC	ND		40.2	32.9		ug/Kg	☼	82	70 - 138
4,4'-DDD	ND		40.2	36.8		ug/Kg	☼	92	65 - 135
4,4'-DDE	ND		40.2	36.8		ug/Kg	☼	92	70 - 133
4,4'-DDT	ND		40.2	34.5		ug/Kg	☼	86	10 - 140
delta-BHC	ND		40.2	30.8		ug/Kg	☼	77	40 - 124
Dieldrin	ND		40.2	36.1		ug/Kg	☼	90	70 - 123
Endosulfan I	ND		40.2	36.4		ug/Kg	☼	91	62 - 126
Endosulfan II	ND		40.2	32.1		ug/Kg	☼	80	65 - 128
Endosulfan sulfate	ND		40.2	31.6		ug/Kg	☼	79	55 - 140
Endrin	ND		40.2	38.0		ug/Kg	☼	95	70 - 127
Endrin aldehyde	ND		40.2	34.0		ug/Kg	☼	85	65 - 122
Endrin ketone	ND		40.2	33.7		ug/Kg	☼	84	59 - 132
gamma-BHC (Lindane)	ND		40.2	34.0		ug/Kg	☼	85	66 - 124
gamma-Chlordane	ND		40.2	35.6		ug/Kg	☼	89	68 - 123
Heptachlor	ND		40.2	33.2		ug/Kg	☼	83	70 - 128
Heptachlor epoxide	ND		40.2	34.7		ug/Kg	☼	86	69 - 131
Methoxychlor	ND		40.2	32.9		ug/Kg	☼	82	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 130*
Tetrachloro-m-xylene	*82*		*45 - 130*
Tetrachloro-m-xylene	*75*		*45 - 130*

Lab Sample ID: 180-35858-4 MSD
Matrix: Solid
Analysis Batch: 116496

Client Sample ID: SSHS-B72-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116335

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		39.6	34.3		ug/Kg	☼	87	70 - 123	0	20
alpha-BHC	ND		39.6	32.1		ug/Kg	☼	81	59 - 127	0	20
alpha-Chlordane	ND		39.6	34.4		ug/Kg	☼	87	71 - 130	0	20
beta-BHC	ND		39.6	32.4		ug/Kg	☼	82	70 - 138	1	20
4,4'-DDD	ND		39.6	36.1		ug/Kg	☼	91	65 - 135	2	20
4,4'-DDE	ND		39.6	35.6		ug/Kg	☼	90	70 - 133	3	20
4,4'-DDT	ND		39.6	34.3		ug/Kg	☼	87	10 - 140	1	37
delta-BHC	ND		39.6	30.4		ug/Kg	☼	77	40 - 124	2	20
Dieldrin	ND		39.6	35.5		ug/Kg	☼	90	70 - 123	2	20
Endosulfan I	ND		39.6	36.2		ug/Kg	☼	91	62 - 126	1	23
Endosulfan II	ND		39.6	21.2	p F1 F2	ug/Kg	☼	53	65 - 128	41	33
Endosulfan sulfate	ND		39.6	31.9		ug/Kg	☼	80	55 - 140	1	26
Endrin	ND		39.6	36.7		ug/Kg	☼	93	70 - 127	3	20
Endrin aldehyde	ND		39.6	32.6		ug/Kg	☼	82	65 - 122	4	20
Endrin ketone	ND		39.6	33.7		ug/Kg	☼	85	59 - 132	0	20
gamma-BHC (Lindane)	ND		39.6	34.1		ug/Kg	☼	86	66 - 124	0	20

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35858-4 MSD
Matrix: Solid
Analysis Batch: 116496

Client Sample ID: SSHS-B72-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116335

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
gamma-Chlordane	ND		39.6	35.3		ug/Kg	☼	89	68 - 123	1	24
Heptachlor	ND		39.6	34.1		ug/Kg	☼	86	70 - 128	3	20
Heptachlor epoxide	ND		39.6	34.2		ug/Kg	☼	86	69 - 131	1	20
Methoxychlor	ND		39.6	34.0		ug/Kg	☼	86	10 - 150	3	26

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 130*
Tetrachloro-m-xylene	*82*		*45 - 130*
Tetrachloro-m-xylene	*76*		*45 - 130*

Lab Sample ID: MB 180-116429/1-A
Matrix: Solid
Analysis Batch: 116644

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116429

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.7	0.30	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
alpha-BHC	ND		1.7	0.27	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
alpha-Chlordane	ND		1.7	0.33	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
beta-BHC	ND		1.7	0.43	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
4,4'-DDD	ND		1.7	0.22	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
4,4'-DDT	ND		1.7	0.25	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
delta-BHC	ND		1.7	0.26	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
Dieldrin	ND		1.7	0.28	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
Endosulfan I	ND		1.7	0.31	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
Endosulfan II	ND		1.7	0.29	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
Endosulfan sulfate	ND		1.7	0.17	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
Endrin	ND		1.7	0.32	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
Endrin aldehyde	ND		1.7	0.32	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
Endrin ketone	ND		1.7	0.26	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
gamma-BHC (Lindane)	ND		1.7	0.29	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
gamma-Chlordane	ND		1.7	0.33	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
Heptachlor	ND		1.7	0.37	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
Heptachlor epoxide	ND		1.7	0.32	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
Methoxychlor	ND		3.3	0.35	ug/Kg		08/28/14 16:07	08/31/14 12:50	1
Toxaphene	ND		67	11	ug/Kg		08/28/14 16:07	08/31/14 12:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*	*08/28/14 16:07*	*08/31/14 12:50*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 130*	*08/28/14 16:07*	*08/31/14 12:50*	*1*
Tetrachloro-m-xylene	*87*		*45 - 130*	*08/28/14 16:07*	*08/31/14 12:50*	*1*
Tetrachloro-m-xylene	*83*		*45 - 130*	*08/28/14 16:07*	*08/31/14 12:50*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-116429/2-A
Matrix: Solid
Analysis Batch: 116644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116429

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin			33.3	29.2		ug/Kg		88	70 - 123
alpha-BHC			33.3	28.3		ug/Kg		85	59 - 127
alpha-Chlordane			33.3	29.4		ug/Kg		88	71 - 130
beta-BHC			33.3	28.0		ug/Kg		84	70 - 138
4,4'-DDD			33.3	30.6		ug/Kg		92	65 - 135
4,4'-DDE			33.3	29.9		ug/Kg		90	70 - 133
4,4'-DDT			33.3	29.0		ug/Kg		87	10 - 140
delta-BHC			33.3	26.6		ug/Kg		80	40 - 124
Dieldrin			33.3	30.7		ug/Kg		92	70 - 123
Endosulfan I			33.3	29.7		ug/Kg		89	62 - 126
Endosulfan II			33.3	30.5		ug/Kg		91	65 - 128
Endosulfan sulfate			33.3	27.7		ug/Kg		83	55 - 140
Endrin			33.3	30.2		ug/Kg		91	70 - 127
Endrin aldehyde			33.3	30.2		ug/Kg		91	65 - 122
Endrin ketone			33.3	29.0		ug/Kg		87	59 - 132
gamma-BHC (Lindane)			33.3	28.1		ug/Kg		84	66 - 124
gamma-Chlordane			33.3	30.8		ug/Kg		92	68 - 123
Heptachlor			33.3	28.7		ug/Kg		86	70 - 128
Heptachlor epoxide			33.3	29.9		ug/Kg		90	69 - 131
Methoxychlor			33.3	28.4		ug/Kg		85	10 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*88*		*45 - 130*
Tetrachloro-m-xylene	*98*		*45 - 130*
Tetrachloro-m-xylene	*94*		*45 - 130*

Lab Sample ID: 180-35858-15 MS
Matrix: Solid
Analysis Batch: 116644

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 116429

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		37.2	32.5		ug/Kg	☼	87	70 - 123
alpha-BHC	ND		37.2	33.4		ug/Kg	☼	90	59 - 127
alpha-Chlordane	ND		37.2	32.5		ug/Kg	☼	87	71 - 130
beta-BHC	ND		37.2	32.3		ug/Kg	☼	87	70 - 138
4,4'-DDD	ND		37.2	36.7		ug/Kg	☼	98	65 - 135
4,4'-DDE	ND		37.2	35.8		ug/Kg	☼	96	70 - 133
4,4'-DDT	7.6		37.2	41.4		ug/Kg	☼	91	10 - 140
delta-BHC	ND		37.2	29.9		ug/Kg	☼	80	40 - 124
Dieldrin	0.87	J	37.2	34.2		ug/Kg	☼	90	70 - 123
Endosulfan I	ND		37.2	33.4		ug/Kg	☼	90	62 - 126
Endosulfan II	ND		37.2	31.7		ug/Kg	☼	85	65 - 128
Endosulfan sulfate	0.46	J p	37.2	30.1		ug/Kg	☼	80	55 - 140
Endrin	3.8		37.2	36.0		ug/Kg	☼	86	70 - 127
Endrin aldehyde	0.50	J p	37.2	24.5	F1	ug/Kg	☼	64	65 - 122
Endrin ketone	ND		37.2	33.4		ug/Kg	☼	90	59 - 132
gamma-BHC (Lindane)	ND		37.2	33.2		ug/Kg	☼	89	66 - 124

QC Sample Results

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 180-35858-15 MS
Matrix: Solid
Analysis Batch: 116644

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 116429

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-Chlordane	1.3	J p	37.2	33.8		ug/Kg	☼	87	68 - 123
Heptachlor	ND		37.2	33.1		ug/Kg	☼	89	70 - 128
Heptachlor epoxide	ND		37.2	35.7		ug/Kg	☼	96	69 - 131
Methoxychlor	ND		37.2	35.5		ug/Kg	☼	95	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*82*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*79*		*45 - 130*
Tetrachloro-m-xylene	*93*		*45 - 130*
Tetrachloro-m-xylene	*89*		*45 - 130*

Lab Sample ID: 180-35858-15 MSD
Matrix: Solid
Analysis Batch: 116644

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 116429

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		37.0	34.4		ug/Kg	☼	93	70 - 123	6	20
alpha-BHC	ND		37.0	33.5		ug/Kg	☼	91	59 - 127	0	20
alpha-Chlordane	ND		37.0	33.2		ug/Kg	☼	90	71 - 130	2	20
beta-BHC	ND		37.0	32.8		ug/Kg	☼	89	70 - 138	2	20
4,4'-DDD	ND		37.0	37.6		ug/Kg	☼	102	65 - 135	3	20
4,4'-DDE	ND		37.0	36.5		ug/Kg	☼	99	70 - 133	2	20
4,4'-DDT	7.6		37.0	42.3		ug/Kg	☼	94	10 - 140	2	37
delta-BHC	ND		37.0	31.7		ug/Kg	☼	86	40 - 124	6	20
Dieldrin	0.87	J	37.0	35.6		ug/Kg	☼	94	70 - 123	4	20
Endosulfan I	ND		37.0	34.6		ug/Kg	☼	93	62 - 126	3	23
Endosulfan II	ND		37.0	32.5		ug/Kg	☼	88	65 - 128	3	33
Endosulfan sulfate	0.46	J p	37.0	31.3		ug/Kg	☼	83	55 - 140	4	26
Endrin	3.8		37.0	36.9		ug/Kg	☼	89	70 - 127	3	20
Endrin aldehyde	0.50	J p	37.0	24.6		ug/Kg	☼	65	65 - 122	1	20
Endrin ketone	ND		37.0	35.1		ug/Kg	☼	95	59 - 132	5	20
gamma-BHC (Lindane)	ND		37.0	33.8		ug/Kg	☼	91	66 - 124	2	20
gamma-Chlordane	1.3	J p	37.0	35.0		ug/Kg	☼	91	68 - 123	4	24
Heptachlor	ND		37.0	33.6		ug/Kg	☼	91	70 - 128	1	20
Heptachlor epoxide	ND		37.0	36.3		ug/Kg	☼	98	69 - 131	2	20
Methoxychlor	ND		37.0	36.8		ug/Kg	☼	100	10 - 150	4	26

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 130*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 130*
Tetrachloro-m-xylene	*96*		*45 - 130*
Tetrachloro-m-xylene	*91*		*45 - 130*

Method: 8081B_LL - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-115137/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115424
Prep Batch: 115137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0013	0.00083	ug/L		08/18/14 14:32	08/20/14 16:27	1
alpha-BHC	ND		0.0013	0.00066	ug/L		08/18/14 14:32	08/20/14 16:27	1
alpha-Chlordane	ND		0.0013	0.00098	ug/L		08/18/14 14:32	08/20/14 16:27	1
beta-BHC	ND		0.0013	0.0010	ug/L		08/18/14 14:32	08/20/14 16:27	1
4,4'-DDD	ND		0.0013	0.00067	ug/L		08/18/14 14:32	08/20/14 16:27	1
4,4'-DDE	ND		0.0013	0.00079	ug/L		08/18/14 14:32	08/20/14 16:27	1
4,4'-DDT	ND		0.0013	0.00074	ug/L		08/18/14 14:32	08/20/14 16:27	1
delta-BHC	ND		0.0013	0.00038	ug/L		08/18/14 14:32	08/20/14 16:27	1
Dieldrin	ND		0.0013	0.00082	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endosulfan I	ND		0.0013	0.00094	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endosulfan II	ND		0.0013	0.00098	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endosulfan sulfate	ND		0.0013	0.00057	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endrin	ND		0.0013	0.00096	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endrin aldehyde	ND		0.0013	0.00090	ug/L		08/18/14 14:32	08/20/14 16:27	1
Endrin ketone	ND		0.0013	0.00092	ug/L		08/18/14 14:32	08/20/14 16:27	1
gamma-BHC (Lindane)	ND		0.0013	0.00080	ug/L		08/18/14 14:32	08/20/14 16:27	1
gamma-Chlordane	ND		0.0013	0.00096	ug/L		08/18/14 14:32	08/20/14 16:27	1
Heptachlor	ND		0.0013	0.00099	ug/L		08/18/14 14:32	08/20/14 16:27	1
Heptachlor epoxide	ND		0.0013	0.00097	ug/L		08/18/14 14:32	08/20/14 16:27	1
Methoxychlor	ND		0.0025	0.00091	ug/L		08/18/14 14:32	08/20/14 16:27	1
Toxaphene	ND		0.10	0.019	ug/L		08/18/14 14:32	08/20/14 16:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 122*	*08/18/14 14:32*	*08/20/14 16:27*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*45 - 122*	*08/18/14 14:32*	*08/20/14 16:27*	*1*
Tetrachloro-m-xylene	*98*		*60 - 111*	*08/18/14 14:32*	*08/20/14 16:27*	*1*
Tetrachloro-m-xylene	*95*		*60 - 111*	*08/18/14 14:32*	*08/20/14 16:27*	*1*

Lab Sample ID: LCS 180-115137/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 115424
Prep Batch: 115137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0250	0.0232		ug/L		93	62 - 113
alpha-BHC	0.0250	0.0222		ug/L		89	58 - 114
alpha-Chlordane	0.0250	0.0223		ug/L		89	59 - 114
beta-BHC	0.0250	0.0224		ug/L		89	37 - 133
4,4'-DDD	0.0250	0.0230		ug/L		92	48 - 120
4,4'-DDE	0.0250	0.0226		ug/L		91	47 - 120
4,4'-DDT	0.0250	0.0238		ug/L		95	39 - 131
delta-BHC	0.0250	0.0214		ug/L		86	20 - 137
Dieldrin	0.0250	0.0235		ug/L		94	51 - 121
Endosulfan I	0.0250	0.0231		ug/L		92	53 - 117
Endosulfan II	0.0250	0.0239		ug/L		96	44 - 122
Endosulfan sulfate	0.0250	0.0235		ug/L		94	42 - 122
Endrin	0.0250	0.0244		ug/L		98	31 - 138
Endrin aldehyde	0.0250	0.0235		ug/L		94	41 - 116
Endrin ketone	0.0250	0.0235		ug/L		94	45 - 119

Method: 8081B_LL - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-115137/2-A
Matrix: Water
Analysis Batch: 115424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-BHC (Lindane)	0.0250	0.0229		ug/L		92	57 - 120
gamma-Chlordane	0.0250	0.0233		ug/L		93	60 - 114
Heptachlor	0.0250	0.0233		ug/L		93	63 - 120
Heptachlor epoxide	0.0250	0.0230		ug/L		92	60 - 120
Methoxychlor	0.0250	0.0234		ug/L		94	35 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*93*		*45 - 122*
DCB Decachlorobiphenyl (Surr)	*87*		*45 - 122*
Tetrachloro-m-xylene	*94*		*60 - 111*
Tetrachloro-m-xylene	*92*		*60 - 111*

Lab Sample ID: LCSD 180-115137/3-A
Matrix: Water
Analysis Batch: 115424

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115137

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.0250	0.0247		ug/L		99	62 - 113	6	22
alpha-BHC	0.0250	0.0232		ug/L		93	58 - 114	4	20
alpha-Chlordane	0.0250	0.0247		ug/L		99	59 - 114	10	21
beta-BHC	0.0250	0.0236		ug/L		94	37 - 133	5	24
4,4'-DDD	0.0250	0.0249		ug/L		99	48 - 120	8	24
4,4'-DDE	0.0250	0.0238		ug/L		95	47 - 120	5	20
4,4'-DDT	0.0250	0.0240		ug/L		96	39 - 131	1	24
delta-BHC	0.0250	0.0234		ug/L		94	20 - 137	9	26
Dieldrin	0.0250	0.0250		ug/L		100	51 - 121	6	20
Endosulfan I	0.0250	0.0253		ug/L		101	53 - 117	9	22
Endosulfan II	0.0250	0.0261		ug/L		105	44 - 122	9	21
Endosulfan sulfate	0.0250	0.0252		ug/L		101	42 - 122	7	21
Endrin	0.0250	0.0253		ug/L		101	31 - 138	4	24
Endrin aldehyde	0.0250	0.0258		ug/L		103	41 - 116	9	25
Endrin ketone	0.0250	0.0243		ug/L		97	45 - 119	4	20
gamma-BHC (Lindane)	0.0250	0.0244		ug/L		97	57 - 120	6	21
gamma-Chlordane	0.0250	0.0247		ug/L		99	60 - 114	6	21
Heptachlor	0.0250	0.0246		ug/L		99	63 - 120	5	25
Heptachlor epoxide	0.0250	0.0250		ug/L		100	60 - 120	8	20
Methoxychlor	0.0250	0.0235		ug/L		94	35 - 137	0	27

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 122*
DCB Decachlorobiphenyl (Surr)	*95*		*45 - 122*
Tetrachloro-m-xylene	*98*		*60 - 111*
Tetrachloro-m-xylene	*97*		*60 - 111*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 180-115137/1-A
Matrix: Water
Analysis Batch: 115456

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.010	0.0025	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1221	ND		0.010	0.0025	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1232	ND		0.010	0.0029	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1242	ND		0.010	0.0019	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1248	ND		0.010	0.0023	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1254	ND		0.010	0.0023	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1260	ND		0.010	0.0014	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1262	ND		0.010	0.0021	ug/L		08/18/14 14:32	08/20/14 19:09	1
PCB-1268	ND		0.010	0.0027	ug/L		08/18/14 14:32	08/20/14 19:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*60 - 135*	*08/18/14 14:32*	*08/20/14 19:09*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*25 - 150*	*08/18/14 14:32*	*08/20/14 19:09*	*1*

Lab Sample ID: MB 180-115137/1-A
Matrix: Water
Analysis Batch: 115470

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115137

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*60 - 135*	*08/18/14 14:32*	*08/20/14 19:40*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*25 - 150*	*08/18/14 14:32*	*08/20/14 19:40*	*1*

Lab Sample ID: LCS 180-115137/4-A
Matrix: Water
Analysis Batch: 115470

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*98*		*25 - 150*

Lab Sample ID: LCS 180-115137/4-A
Matrix: Water
Analysis Batch: 115456

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115137

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.00	1.02		ug/L		102	55 - 120		
PCB-1260			1.00	1.03		ug/L		103	55 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*105*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*108*		*25 - 150*

QC Sample Results

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCSD 180-115137/5-A
Matrix: Water
Analysis Batch: 115470

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115137

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*81*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*103*		*25 - 150*

Lab Sample ID: LCSD 180-115137/5-A
Matrix: Water
Analysis Batch: 115456

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115137

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	1.00	1.09		ug/L		109	55 - 120	7	25
PCB-1260	1.00	1.10		ug/L		110	55 - 120	7	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*106*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*111*		*25 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-116335/1-C
Matrix: Solid
Analysis Batch: 116583

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116335

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg		08/28/14 09:02	08/31/14 12:07	1
PCB-1221	ND		17	3.2	ug/Kg		08/28/14 09:02	08/31/14 12:07	1
PCB-1232	ND		17	2.9	ug/Kg		08/28/14 09:02	08/31/14 12:07	1
PCB-1242	ND		17	2.7	ug/Kg		08/28/14 09:02	08/31/14 12:07	1
PCB-1248	ND		17	1.6	ug/Kg		08/28/14 09:02	08/31/14 12:07	1
PCB-1254	ND		17	2.4	ug/Kg		08/28/14 09:02	08/31/14 12:07	1
PCB-1260	ND		17	2.4	ug/Kg		08/28/14 09:02	08/31/14 12:07	1
PCB-1262	ND		17	3.7	ug/Kg		08/28/14 09:02	08/31/14 12:07	1
PCB-1268	ND		17	2.1	ug/Kg		08/28/14 09:02	08/31/14 12:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 125*	*08/28/14 09:02*	*08/31/14 12:07*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*	*08/28/14 09:02*	*08/31/14 12:07*	*1*

Lab Sample ID: MB 180-116335/1-C
Matrix: Solid
Analysis Batch: 116586

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116335

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*	*08/28/14 09:02*	*08/31/14 12:40*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*45 - 135*	*08/28/14 09:02*	*08/31/14 12:40*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-116335/5-C

Matrix: Solid
Analysis Batch: 116583

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116335

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1330	1010		ug/Kg		76	55 - 135		
PCB-1260			1330	1020		ug/Kg		76	50 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*82*		*45 - 135*

Lab Sample ID: 180-35858-4 MS

Matrix: Solid
Analysis Batch: 116583

Client Sample ID: SSHS-B72-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116335

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		1620	1210		ug/Kg	☼	75	55 - 135		
PCB-1260	ND		1620	1200		ug/Kg	☼	74	50 - 140		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*

Lab Sample ID: 180-35858-4 MS

Matrix: Solid
Analysis Batch: 116586

Client Sample ID: SSHS-B72-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116335

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*77*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*73*		*45 - 135*

Lab Sample ID: 180-35858-4 MSD

Matrix: Solid
Analysis Batch: 116583

Client Sample ID: SSHS-B72-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116335

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1610	1190		ug/Kg	☼	74	55 - 135	1	20
PCB-1260	ND		1610	1210		ug/Kg	☼	75	50 - 140	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*79*		*45 - 135*

Lab Sample ID: 180-35858-4 MSD

Matrix: Solid
Analysis Batch: 116586

Client Sample ID: SSHS-B72-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116335

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*75*		*45 - 135*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-116429/1-C **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116627 **Prep Batch: 116429**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	2.5	ug/Kg		08/28/14 16:07	09/01/14 07:41	1
PCB-1221	ND		17	3.2	ug/Kg		08/28/14 16:07	09/01/14 07:41	1
PCB-1232	ND		17	2.9	ug/Kg		08/28/14 16:07	09/01/14 07:41	1
PCB-1242	ND		17	2.7	ug/Kg		08/28/14 16:07	09/01/14 07:41	1
PCB-1248	ND		17	1.6	ug/Kg		08/28/14 16:07	09/01/14 07:41	1
PCB-1254	ND		17	2.4	ug/Kg		08/28/14 16:07	09/01/14 07:41	1
PCB-1260	ND		17	2.4	ug/Kg		08/28/14 16:07	09/01/14 07:41	1
PCB-1262	ND		17	3.7	ug/Kg		08/28/14 16:07	09/01/14 07:41	1
PCB-1268	ND		17	2.1	ug/Kg		08/28/14 16:07	09/01/14 07:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*45 - 125*	*08/28/14 16:07*	*09/01/14 07:41*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*	*08/28/14 16:07*	*09/01/14 07:41*	*1*

Lab Sample ID: MB 180-116429/1-C **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116625 **Prep Batch: 116429**

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*	*08/28/14 16:07*	*09/01/14 08:12*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*	*08/28/14 16:07*	*09/01/14 08:12*	*1*

Lab Sample ID: LCS 180-116429/5-C **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116627 **Prep Batch: 116429**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1330	1120		ug/Kg		84	55 - 135
PCB-1260	1330	1120		ug/Kg		84	50 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*

Lab Sample ID: LCS 180-116429/5-C **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116625 **Prep Batch: 116429**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*80*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*85*		*45 - 135*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-35858-15 MS
Matrix: Solid
Analysis Batch: 116627

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 116429

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*81*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*87*		*45 - 135*

Lab Sample ID: 180-35858-15 MS
Matrix: Solid
Analysis Batch: 116625

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 116429

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		1490	1260		ug/Kg	☼	85	55 - 135
PCB-1260	33		1490	1230		ug/Kg	☼	81	50 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*78*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*92*		*45 - 135*

Lab Sample ID: 180-35858-15 MSD
Matrix: Solid
Analysis Batch: 116627

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 116429

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*74*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*89*		*45 - 135*

Lab Sample ID: 180-35858-15 MSD
Matrix: Solid
Analysis Batch: 116625

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 116429

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1490	1300		ug/Kg	☼	88	55 - 135	3	20
PCB-1260	33		1490	1130		ug/Kg	☼	73	50 - 140	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*70*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*96*		*45 - 135*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 180-116030/1-A
Matrix: Solid
Analysis Batch: 116426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116030

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	2.1	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Antimony	ND		1.0	0.20	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Arsenic	ND		1.0	0.31	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Barium	ND		20	0.013	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Beryllium	ND		0.40	0.011	mg/Kg		08/26/14 08:56	08/28/14 13:35	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-116030/1-A
Matrix: Solid
Analysis Batch: 116426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116030

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.50	0.014	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Calcium	ND		500	1.5	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Chromium	ND		0.50	0.077	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Cobalt	ND		5.0	0.042	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Copper	ND		2.5	0.14	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Iron	ND		10	0.89	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Lead	ND		1.0	0.10	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Magnesium	ND		500	2.1	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Manganese	ND		1.5	0.089	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Nickel	0.0580	J	4.0	0.048	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Potassium	ND		500	6.4	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Selenium	ND		1.0	0.27	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Silver	ND		0.50	0.040	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Sodium	ND		500	1.1	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Thallium	ND		2.0	0.15	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Vanadium	ND		5.0	0.17	mg/Kg		08/26/14 08:56	08/28/14 13:35	1
Zinc	0.748	J	2.0	0.10	mg/Kg		08/26/14 08:56	08/28/14 13:35	1

Lab Sample ID: LCS 180-116030/2-A
Matrix: Solid
Analysis Batch: 116426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116030

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	198	192		mg/Kg		97	80 - 120
Antimony	49.5	48.4		mg/Kg		98	80 - 120
Arsenic	49.5	50.0		mg/Kg		101	80 - 120
Barium	198	198		mg/Kg		100	80 - 120
Beryllium	4.95	5.01		mg/Kg		101	80 - 120
Cadmium	4.95	4.57		mg/Kg		92	80 - 120
Calcium	4950	4890		mg/Kg		99	80 - 120
Chromium	19.8	19.4		mg/Kg		98	80 - 120
Cobalt	49.5	48.1		mg/Kg		97	80 - 120
Copper	24.8	23.9		mg/Kg		97	80 - 120
Iron	99.0	100		mg/Kg		101	80 - 120
Lead	49.5	47.1		mg/Kg		95	80 - 120
Magnesium	4950	4780		mg/Kg		97	80 - 120
Manganese	49.5	48.0		mg/Kg		97	80 - 120
Nickel	49.5	47.8		mg/Kg		97	80 - 120
Potassium	4950	4860		mg/Kg		98	80 - 120
Selenium	49.5	47.7		mg/Kg		96	80 - 120
Silver	4.95	4.78		mg/Kg		97	80 - 120
Sodium	4950	4980		mg/Kg		101	80 - 120
Thallium	49.5	45.8		mg/Kg		92	80 - 120
Vanadium	49.5	50.5		mg/Kg		102	80 - 120
Zinc	49.5	47.9		mg/Kg		97	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35858-4 MS
Matrix: Solid
Analysis Batch: 116426

Client Sample ID: SSHS-B72-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116030

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	5900		247	9300	4	mg/Kg	☼	1368	75 - 125
Antimony	ND		61.7	45.5	F1	mg/Kg	☼	74	75 - 125
Arsenic	7.9		61.7	63.8		mg/Kg	☼	91	75 - 125
Barium	37		247	268		mg/Kg	☼	94	75 - 125
Beryllium	0.27	J	6.17	5.92		mg/Kg	☼	92	75 - 125
Cadmium	0.080	J	6.17	5.19		mg/Kg	☼	83	75 - 125
Calcium	39000		6170	30500	4	mg/Kg	☼	-135	75 - 125
Chromium	8.4		24.7	32.4		mg/Kg	☼	97	75 - 125
Cobalt	6.2		61.7	65.5		mg/Kg	☼	96	75 - 125
Copper	17		30.8	45.0		mg/Kg	☼	89	75 - 125
Iron	15000		123	17000	4	mg/Kg	☼	1528	75 - 125
Lead	7.7		61.7	64.8		mg/Kg	☼	93	75 - 125
Magnesium	11000		6170	13000	F1	mg/Kg	☼	34	75 - 125
Manganese	350		61.7	389	4	mg/Kg	☼	62	75 - 125
Nickel	15	B	61.7	74.7		mg/Kg	☼	97	75 - 125
Potassium	840		6170	6970		mg/Kg	☼	99	75 - 125
Selenium	ND		61.7	53.7		mg/Kg	☼	87	75 - 125
Silver	ND		6.17	5.47		mg/Kg	☼	89	75 - 125
Sodium	72	J	6170	5750		mg/Kg	☼	92	75 - 125
Thallium	ND		61.7	53.2		mg/Kg	☼	86	75 - 125
Vanadium	11		61.7	74.9		mg/Kg	☼	103	75 - 125
Zinc	50	B	61.7	102		mg/Kg	☼	84	75 - 125

Lab Sample ID: 180-35858-4 MSD
Matrix: Solid
Analysis Batch: 116426

Client Sample ID: SSHS-B72-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116030

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	5900		249	7580	4	mg/Kg	☼	667	75 - 125	20	20
Antimony	ND		62.3	48.6		mg/Kg	☼	78	75 - 125	7	20
Arsenic	7.9		62.3	64.6		mg/Kg	☼	91	75 - 125	1	20
Barium	37		249	265		mg/Kg	☼	91	75 - 125	1	20
Beryllium	0.27	J	6.23	6.07		mg/Kg	☼	93	75 - 125	2	20
Cadmium	0.080	J	6.23	5.38		mg/Kg	☼	85	75 - 125	4	20
Calcium	39000		6230	30300	4	mg/Kg	☼	-138	75 - 125	1	20
Chromium	8.4		24.9	30.4		mg/Kg	☼	88	75 - 125	6	20
Cobalt	6.2		62.3	65.5		mg/Kg	☼	95	75 - 125	0	20
Copper	17		31.1	42.9		mg/Kg	☼	82	75 - 125	5	20
Iron	15000		125	14300	4	mg/Kg	☼	-660	75 - 125	17	20
Lead	7.7		62.3	64.5		mg/Kg	☼	91	75 - 125	0	20
Magnesium	11000		6230	12300	F1	mg/Kg	☼	22	75 - 125	6	20
Manganese	350		62.3	389	4	mg/Kg	☼	61	75 - 125	0	20
Nickel	15	B	62.3	73.2		mg/Kg	☼	93	75 - 125	2	20
Potassium	840		6230	6940		mg/Kg	☼	98	75 - 125	0	20
Selenium	ND		62.3	54.9		mg/Kg	☼	88	75 - 125	2	20
Silver	ND		6.23	5.57		mg/Kg	☼	89	75 - 125	2	20
Sodium	72	J	6230	5920		mg/Kg	☼	94	75 - 125	3	20
Thallium	ND		62.3	54.7		mg/Kg	☼	88	75 - 125	3	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35858-4 MSD **Client Sample ID: SSHS-B72-6-10 (8)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116426 **Prep Batch: 116030**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vanadium	11		62.3	71.1		mg/Kg	☼	96	75 - 125	5	20
Zinc	50	B	62.3	94.7	F1	mg/Kg	☼	72	75 - 125	7	20

Lab Sample ID: MB 180-116032/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116453 **Prep Batch: 116032**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	2.1	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Antimony	ND		1.0	0.20	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Arsenic	ND		1.0	0.31	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Barium	ND		20	0.013	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Beryllium	ND		0.40	0.011	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Cadmium	ND		0.51	0.014	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Calcium	ND		510	1.5	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Chromium	0.0808	J	0.51	0.078	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Cobalt	ND		5.1	0.042	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Copper	ND		2.5	0.15	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Iron	ND		10	0.90	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Lead	ND		1.0	0.10	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Magnesium	ND		510	2.1	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Manganese	ND		1.5	0.090	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Nickel	ND		4.0	0.048	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Potassium	ND		510	6.5	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Selenium	ND		1.0	0.27	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Silver	ND		0.51	0.041	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Sodium	ND		510	1.1	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Thallium	ND		2.0	0.15	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Vanadium	ND		5.1	0.18	mg/Kg		08/26/14 08:58	08/28/14 15:44	1
Zinc	0.104	J	2.0	0.10	mg/Kg		08/26/14 08:58	08/28/14 15:44	1

Lab Sample ID: LCS 180-116032/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116453 **Prep Batch: 116032**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	200	193		mg/Kg		97	80 - 120
Antimony	50.0	49.0		mg/Kg		98	80 - 120
Arsenic	50.0	50.7		mg/Kg		101	80 - 120
Barium	200	198		mg/Kg		99	80 - 120
Beryllium	5.00	4.99		mg/Kg		100	80 - 120
Cadmium	5.00	4.61		mg/Kg		92	80 - 120
Calcium	5000	4890		mg/Kg		98	80 - 120
Chromium	20.0	19.6		mg/Kg		98	80 - 120
Cobalt	50.0	48.3		mg/Kg		97	80 - 120
Copper	25.0	23.8		mg/Kg		95	80 - 120
Iron	100	99.7		mg/Kg		100	80 - 120
Lead	50.0	47.2		mg/Kg		94	80 - 120
Magnesium	5000	4760		mg/Kg		95	80 - 120

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-35858-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-116032/2-A
Matrix: Solid
Analysis Batch: 116453

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	50.0	47.2		mg/Kg		94	80 - 120
Nickel	50.0	48.0		mg/Kg		96	80 - 120
Potassium	5000	4880		mg/Kg		98	80 - 120
Selenium	50.0	48.7		mg/Kg		97	80 - 120
Silver	5.00	4.82		mg/Kg		96	80 - 120
Sodium	5000	4990		mg/Kg		100	80 - 120
Thallium	50.0	45.9		mg/Kg		92	80 - 120
Vanadium	50.0	51.2		mg/Kg		102	80 - 120
Zinc	50.0	47.8		mg/Kg		96	80 - 120

Lab Sample ID: 180-35858-15 MS
Matrix: Solid
Analysis Batch: 116453

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 116032

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	9800		209	11600	4	mg/Kg	☼	826	75 - 125
Antimony	ND		52.2	35.7	F1	mg/Kg	☼	68	75 - 125
Arsenic	11		52.2	53.0		mg/Kg	☼	80	75 - 125
Barium	74		209	246		mg/Kg	☼	82	75 - 125
Beryllium	0.41	J	5.22	5.07		mg/Kg	☼	89	75 - 125
Cadmium	0.053	J	5.22	4.29		mg/Kg	☼	81	75 - 125
Calcium	1400		5220	5750		mg/Kg	☼	84	75 - 125
Chromium	11	B	20.9	29.0		mg/Kg	☼	87	75 - 125
Cobalt	7.8		52.2	55.9		mg/Kg	☼	92	75 - 125
Copper	21		26.1	40.3	F1	mg/Kg	☼	74	75 - 125
Iron	18000		104	16300	4	mg/Kg	☼	-1301	75 - 125
Lead	17		52.2	64.4		mg/Kg	☼	90	75 - 125
Magnesium	2100		5220	6680		mg/Kg	☼	87	75 - 125
Manganese	650		52.2	495	4	mg/Kg	☼	-298	75 - 125
Nickel	15		52.2	65.1		mg/Kg	☼	96	75 - 125
Potassium	660		5220	5580		mg/Kg	☼	94	75 - 125
Selenium	0.45	J	52.2	44.1		mg/Kg	☼	84	75 - 125
Silver	ND		5.22	4.42		mg/Kg	☼	85	75 - 125
Sodium	45	J	5220	4700		mg/Kg	☼	89	75 - 125
Thallium	ND		52.2	45.7		mg/Kg	☼	88	75 - 125
Vanadium	16		52.2	64.0		mg/Kg	☼	92	75 - 125
Zinc	56	B	52.2	99.0		mg/Kg	☼	81	75 - 125

Lab Sample ID: 180-35858-15 MSD
Matrix: Solid
Analysis Batch: 116453

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 116032

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	9800		213	12000	4	mg/Kg	☼	1026	75 - 125	4	20
Antimony	ND		53.2	32.0	F1	mg/Kg	☼	60	75 - 125	11	20
Arsenic	11		53.2	50.3	F1	mg/Kg	☼	74	75 - 125	5	20
Barium	74		213	248		mg/Kg	☼	82	75 - 125	1	20
Beryllium	0.41	J	5.32	4.72		mg/Kg	☼	81	75 - 125	7	20
Cadmium	0.053	J	5.32	4.00	F1	mg/Kg	☼	74	75 - 125	7	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35858-15 MSD
Matrix: Solid
Analysis Batch: 116453

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 116032

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	1400		5320	5590		mg/Kg	☼	79	75 - 125	3	20
Chromium	11	B	21.3	29.0		mg/Kg	☼	86	75 - 125	0	20
Cobalt	7.8		53.2	51.9		mg/Kg	☼	83	75 - 125	7	20
Copper	21		26.6	38.8	F1	mg/Kg	☼	67	75 - 125	4	20
Iron	18000		106	15900	4	mg/Kg	☼	-1631	75 - 125	2	20
Lead	17		53.2	61.4		mg/Kg	☼	83	75 - 125	5	20
Magnesium	2100		5320	6280		mg/Kg	☼	78	75 - 125	6	20
Manganese	650		53.2	517	4	mg/Kg	☼	-252	75 - 125	4	20
Nickel	15		53.2	60.6		mg/Kg	☼	86	75 - 125	7	20
Potassium	660		5320	5260		mg/Kg	☼	87	75 - 125	6	20
Selenium	0.45	J	53.2	41.6		mg/Kg	☼	77	75 - 125	6	20
Silver	ND		5.32	4.15		mg/Kg	☼	78	75 - 125	6	20
Sodium	45	J	5320	4400		mg/Kg	☼	82	75 - 125	6	20
Thallium	ND		53.2	42.2		mg/Kg	☼	79	75 - 125	8	20
Vanadium	16		53.2	62.8		mg/Kg	☼	88	75 - 125	2	20
Zinc	56	B	53.2	102		mg/Kg	☼	85	75 - 125	3	20

Lab Sample ID: MB 180-115230/1-A
Matrix: Water
Analysis Batch: 116140

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 115230

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	42	ug/L		08/19/14 10:06	08/26/14 15:02	1
Antimony	ND		10	2.5	ug/L		08/19/14 10:06	08/26/14 15:02	1
Arsenic	ND		10	3.0	ug/L		08/19/14 10:06	08/26/14 15:02	1
Barium	ND		200	0.19	ug/L		08/19/14 10:06	08/26/14 15:02	1
Beryllium	ND		4.0	0.27	ug/L		08/19/14 10:06	08/26/14 15:02	1
Cobalt	ND		50	0.39	ug/L		08/19/14 10:06	08/26/14 15:02	1
Copper	ND		25	0.85	ug/L		08/19/14 10:06	08/26/14 15:02	1
Iron	ND		100	5.3	ug/L		08/19/14 10:06	08/26/14 15:02	1
Lead	ND		10	1.5	ug/L		08/19/14 10:06	08/26/14 15:02	1
Nickel	ND		40	0.49	ug/L		08/19/14 10:06	08/26/14 15:02	1
Potassium	ND		5000	41	ug/L		08/19/14 10:06	08/26/14 15:02	1
Silver	ND		5.0	0.27	ug/L		08/19/14 10:06	08/26/14 15:02	1
Sodium	66.4	J	5000	21	ug/L		08/19/14 10:06	08/26/14 15:02	1
Vanadium	ND		50	1.1	ug/L		08/19/14 10:06	08/26/14 15:02	1

Lab Sample ID: MB 180-115230/1-A
Matrix: Water
Analysis Batch: 116283

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 115230

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.17	ug/L		08/19/14 10:06	08/27/14 15:40	1
Calcium	ND		5000	14	ug/L		08/19/14 10:06	08/27/14 15:40	1
Chromium	ND		5.0	1.0	ug/L		08/19/14 10:06	08/27/14 15:40	1
Magnesium	ND		5000	11	ug/L		08/19/14 10:06	08/27/14 15:40	1
Manganese	0.130	J	15	0.094	ug/L		08/19/14 10:06	08/27/14 15:40	1
Selenium	ND		10	1.7	ug/L		08/19/14 10:06	08/27/14 15:40	1
Thallium	ND		20	1.5	ug/L		08/19/14 10:06	08/27/14 15:40	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-115230/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 116283
Prep Batch: 115230

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		20	6.0	ug/L		08/19/14 10:06	08/27/14 15:40	1

Lab Sample ID: LCS 180-115230/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 116140
Prep Batch: 115230

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2000	1880		ug/L		94	80 - 120
Antimony	500	495		ug/L		99	80 - 120
Arsenic	500	489		ug/L		98	80 - 120
Barium	2000	1990		ug/L		100	80 - 120
Beryllium	50.0	46.7		ug/L		93	80 - 120
Cobalt	500	444		ug/L		89	80 - 120
Copper	250	231		ug/L		92	80 - 120
Iron	1000	930		ug/L		93	80 - 120
Lead	500	443		ug/L		89	80 - 120
Nickel	500	449		ug/L		90	80 - 120
Potassium	50000	46600		ug/L		93	80 - 120
Silver	50.0	48.1		ug/L		96	80 - 120
Sodium	50000	47900		ug/L		96	80 - 120
Vanadium	500	466		ug/L		93	80 - 120

Lab Sample ID: LCS 180-115230/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 116283
Prep Batch: 115230

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	50.0	45.8		ug/L		92	80 - 120
Calcium	50000	47400		ug/L		95	80 - 120
Chromium	200	191		ug/L		96	80 - 120
Magnesium	50000	46400		ug/L		93	80 - 120
Manganese	500	472		ug/L		94	80 - 120
Selenium	500	506		ug/L		101	80 - 120
Thallium	500	494		ug/L		99	80 - 120
Zinc	500	476		ug/L		95	80 - 120

Lab Sample ID: 180-35858-29 MS
Client Sample ID: 20140815-EQUIPMENT BLANK-SOIL
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 116140
Prep Batch: 115230

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	58	J	2000	1930		ug/L		94	75 - 125
Antimony	ND		500	496		ug/L		99	75 - 125
Arsenic	ND		500	494		ug/L		99	75 - 125
Barium	ND		2000	2010		ug/L		100	75 - 125
Beryllium	ND		50.0	46.9		ug/L		94	75 - 125
Cobalt	0.47	J	500	453		ug/L		90	75 - 125
Copper	1.2	J	250	233		ug/L		93	75 - 125
Iron	2100		1000	3050		ug/L		94	75 - 125

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35858-29 MS
Matrix: Water
Analysis Batch: 116140

Client Sample ID: 20140815-EQUIPMENT BLANK-SOIL
Prep Type: Total Recoverable
Prep Batch: 115230

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND		500	452		ug/L		90	75 - 125
Nickel	5.7	J	500	461		ug/L		91	75 - 125
Potassium	47	J	50000	47300		ug/L		95	75 - 125
Silver	ND		50.0	48.8		ug/L		98	75 - 125
Sodium	52	J B	50000	48500		ug/L		97	75 - 125
Vanadium	ND		500	477		ug/L		95	75 - 125

Lab Sample ID: 180-35858-29 MS
Matrix: Water
Analysis Batch: 116283

Client Sample ID: 20140815-EQUIPMENT BLANK-SOIL
Prep Type: Total Recoverable
Prep Batch: 115230

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	ND		50.0	47.7		ug/L		95	75 - 125
Calcium	120	J	50000	49900		ug/L		99	75 - 125
Chromium	9.2		200	210		ug/L		100	75 - 125
Magnesium	15	J	50000	48500		ug/L		97	75 - 125
Manganese	18	B	500	512		ug/L		99	75 - 125
Selenium	ND		500	524		ug/L		105	75 - 125
Thallium	ND		500	509		ug/L		102	75 - 125
Zinc	ND		500	497		ug/L		99	75 - 125

Lab Sample ID: 180-35858-29 MSD
Matrix: Water
Analysis Batch: 116140

Client Sample ID: 20140815-EQUIPMENT BLANK-SOIL
Prep Type: Total Recoverable
Prep Batch: 115230

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	58	J	2000	1880		ug/L		91	75 - 125	3	20
Antimony	ND		500	485		ug/L		97	75 - 125	2	20
Arsenic	ND		500	482		ug/L		96	75 - 125	3	20
Barium	ND		2000	1950		ug/L		97	75 - 125	3	20
Beryllium	ND		50.0	45.8		ug/L		92	75 - 125	2	20
Cobalt	0.47	J	500	439		ug/L		88	75 - 125	3	20
Copper	1.2	J	250	227		ug/L		90	75 - 125	2	20
Iron	2100		1000	3020		ug/L		91	75 - 125	1	20
Lead	ND		500	439		ug/L		88	75 - 125	3	20
Nickel	5.7	J	500	449		ug/L		89	75 - 125	3	20
Potassium	47	J	50000	46300		ug/L		92	75 - 125	2	20
Silver	ND		50.0	49.3		ug/L		99	75 - 125	1	20
Sodium	52	J B	50000	47500		ug/L		95	75 - 125	2	20
Vanadium	ND		500	480		ug/L		96	75 - 125	1	20

Lab Sample ID: 180-35858-29 MSD
Matrix: Water
Analysis Batch: 116283

Client Sample ID: 20140815-EQUIPMENT BLANK-SOIL
Prep Type: Total Recoverable
Prep Batch: 115230

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	ND		50.0	46.2		ug/L		92	75 - 125	3	20
Calcium	120	J	50000	48300		ug/L		96	75 - 125	3	20
Chromium	9.2		200	204		ug/L		98	75 - 125	2	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-35858-29 MSD
Matrix: Water
Analysis Batch: 116283

Client Sample ID: 20140815-EQUIPMENT BLANK-SOIL
Prep Type: Total Recoverable
Prep Batch: 115230

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Magnesium	15	J	50000	47200		ug/L		94	75 - 125	3	20
Manganese	18	B	500	497		ug/L		96	75 - 125	3	20
Selenium	ND		500	512		ug/L		102	75 - 125	2	20
Thallium	ND		500	501		ug/L		100	75 - 125	2	20
Zinc	ND		500	484		ug/L		97	75 - 125	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-115423/1-A
Matrix: Water
Analysis Batch: 115556

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 115423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.038	ug/L		08/20/14 10:20	08/20/14 14:50	1

Lab Sample ID: LCS 180-115423/2-A
Matrix: Water
Analysis Batch: 115556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 115423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	5.01		ug/L		100	80 - 120

Lab Sample ID: LCSD 180-115423/3-A
Matrix: Water
Analysis Batch: 115556

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 115423

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	5.00	4.90		ug/L		98	80 - 120	2	20

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 180-116358/1-A
Matrix: Solid
Analysis Batch: 116423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116358

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.011	mg/Kg		08/28/14 10:28	08/28/14 13:30	1

Lab Sample ID: LCS 180-116358/2-A
Matrix: Solid
Analysis Batch: 116423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116358

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.410	0.376		mg/Kg		92	80 - 120

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique) (Continued)

Lab Sample ID: 180-35858-4 MS **Client Sample ID: SSHS-B72-6-10 (8)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116423 **Prep Batch: 116358**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.191	0.199		mg/Kg	☼	104	75 - 125

Lab Sample ID: 180-35858-4 MSD **Client Sample ID: SSHS-B72-6-10 (8)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116423 **Prep Batch: 116358**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.185	0.190		mg/Kg	☼	103	75 - 125	5	20

Lab Sample ID: MB 180-116360/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116423 **Prep Batch: 116360**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.011	mg/Kg		08/28/14 10:30	08/28/14 14:09	1

Lab Sample ID: LCS 180-116360/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116423 **Prep Batch: 116360**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.410	0.371		mg/Kg		91	80 - 120

Lab Sample ID: 180-35858-15 MS **Client Sample ID: SSHS-B43-A-2-6 (4)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116423 **Prep Batch: 116360**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.045		0.172	0.214		mg/Kg	☼	98	75 - 125

Lab Sample ID: 180-35858-15 MSD **Client Sample ID: SSHS-B43-A-2-6 (4)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 116423 **Prep Batch: 116360**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.045		0.167	0.197		mg/Kg	☼	91	75 - 125	8	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-35858-4 DU **Client Sample ID: SSHS-B72-6-10 (8)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 115267

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	18		17		%		9	20
Percent Solids	82		83		%		2	20

Method: 2540G - SM 2540G (Continued)

Lab Sample ID: 180-35858-15 DU
Client Sample ID: SSHS-B43-A-2-6 (4)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115267

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	10		9.9		%		5	20
Percent Solids	90		90		%		0.6	20

Lab Sample ID: 180-35858-28 DU
Client Sample ID: DUP-21
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 115273

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	16		16		%		2	20
Percent Solids	84		84		%		0.4	20

Method: 9014 - Cyanide

Lab Sample ID: MB 180-116102/4-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116257
Prep Batch: 116102

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.15	mg/Kg		08/27/14 07:00	08/27/14 09:53	1

Lab Sample ID: HLCS 180-116102/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116257
Prep Batch: 116102

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.250		mg/Kg		100	90 - 110

Lab Sample ID: LCS 180-116102/3-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116257
Prep Batch: 116102

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	101	98.6		mg/Kg		98	38 - 162

Lab Sample ID: LLCS 180-116102/1-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116257
Prep Batch: 116102

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0525		mg/Kg		105	90 - 110

Lab Sample ID: 180-35858-4 MS
Client Sample ID: SSHS-B72-6-10 (8)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 116257
Prep Batch: 116102

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		5.87	5.82		mg/Kg	☼	99	75 - 125

QC Sample Results

Method: 9014 - Cyanide (Continued)

Lab Sample ID: 180-35858-4 MSD
Matrix: Solid
Analysis Batch: 116257

Client Sample ID: SSHS-B72-6-10 (8)
Prep Type: Total/NA
Prep Batch: 116102

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		5.81	5.73		mg/Kg	☼	99	75 - 125	1	20

Lab Sample ID: MB 180-116219/4-A
Matrix: Water
Analysis Batch: 116257

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116219

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	8.83	J	10	3.2	ug/L		08/27/14 12:00	08/27/14 14:12	1

Lab Sample ID: HLCS 180-116219/2-A
Matrix: Water
Analysis Batch: 116257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116219

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	250	239		ug/L		95	90 - 110

Lab Sample ID: LCS 180-116219/3-A
Matrix: Water
Analysis Batch: 116257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116219

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	200	195		ug/L		98	85 - 115

Lab Sample ID: LLCS 180-116219/1-A
Matrix: Water
Analysis Batch: 116257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116219

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	50.0	49.6		ug/L		99	90 - 110

Lab Sample ID: MB 180-116348/4-A
Matrix: Solid
Analysis Batch: 116408

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116348

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.15	mg/Kg		08/28/14 09:30	08/28/14 11:47	1

Lab Sample ID: HLCS 180-116348/2-A
Matrix: Solid
Analysis Batch: 116408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116348

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.242		mg/Kg		97	90 - 110

Lab Sample ID: LCS 180-116348/3-A
Matrix: Solid
Analysis Batch: 116408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116348

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	101	95.6		mg/Kg		95	38 - 162

QC Sample Results

Lab Sample ID: LLCS 180-116348/1-A
Matrix: Solid
Analysis Batch: 116408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116348

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.0500	0.0538		mg/Kg		108	90 - 110		

Lab Sample ID: 180-35858-3 MS
Matrix: Solid
Analysis Batch: 116408

Client Sample ID: SSHS-B72-3-5 (4)
Prep Type: Total/NA
Prep Batch: 116348

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	ND		5.11	5.05		mg/Kg	☼	99	75 - 125		

Lab Sample ID: 180-35858-15 MS
Matrix: Solid
Analysis Batch: 116408

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 116348

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	1.3		5.42	5.93		mg/Kg	☼	85	75 - 125		

Lab Sample ID: 180-35858-15 MSD
Matrix: Solid
Analysis Batch: 116408

Client Sample ID: SSHS-B43-A-2-6 (4)
Prep Type: Total/NA
Prep Batch: 116348

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	1.3		5.64	5.97		mg/Kg	☼	83	75 - 125	1	20

Lab Sample ID: MB 180-116351/4-A
Matrix: Solid
Analysis Batch: 116408

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116351

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.15	mg/Kg		08/28/14 09:30	08/28/14 12:09	1

Lab Sample ID: HLCS 180-116351/2-A
Matrix: Solid
Analysis Batch: 116408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116351

Analyte			Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.250	0.236		mg/Kg		94	90 - 110		

Lab Sample ID: LCS 180-116351/3-A
Matrix: Solid
Analysis Batch: 116408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116351

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			101	98.1		mg/Kg		97	38 - 162		

Lab Sample ID: LLCS 180-116351/1-A
Matrix: Solid
Analysis Batch: 116408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116351

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.0500	0.0499		mg/Kg		100	90 - 110		

Method: 9014 - Cyanide (Continued)

Lab Sample ID: 180-35858-26 MS
Matrix: Solid
Analysis Batch: 116408

Client Sample ID: SSHS-B42-A-11-13 (12)
Prep Type: Total/NA
Prep Batch: 116351

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	ND		5.58	5.67		mg/Kg	☼	102	75 - 125		

Lab Sample ID: 180-35858-26 MSD
Matrix: Solid
Analysis Batch: 116408

Client Sample ID: SSHS-B42-A-11-13 (12)
Prep Type: Total/NA
Prep Batch: 116351

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		5.64	5.72		mg/Kg	☼	101	75 - 125	1	20

GC/MS VOA

Analysis Batch: 115535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-15	SSHS-B43-A-2-6 (4)	Total/NA	Solid	8260C	115538
180-35858-15 MS	SSHS-B43-A-2-6 (4)	Total/NA	Solid	8260C	115538
180-35858-15 MSD	SSHS-B43-A-2-6 (4)	Total/NA	Solid	8260C	115538
LCS 180-115538/2-A	Lab Control Sample	Total/NA	Solid	8260C	115538
MB 180-115538/1-A	Method Blank	Total/NA	Solid	8260C	115538

Prep Batch: 115538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-15	SSHS-B43-A-2-6 (4)	Total/NA	Solid	5035	
180-35858-15 MS	SSHS-B43-A-2-6 (4)	Total/NA	Solid	5035	
180-35858-15 MSD	SSHS-B43-A-2-6 (4)	Total/NA	Solid	5035	
LCS 180-115538/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-115538/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-4	SSHS-B72-6-10 (8)	Total/NA	Solid	8260C	115669
180-35858-4 MS	SSHS-B72-6-10 (8)	Total/NA	Solid	8260C	115669
180-35858-4 MSD	SSHS-B72-6-10 (8)	Total/NA	Solid	8260C	115669
LCS 180-115669/2-A	Lab Control Sample	Total/NA	Solid	8260C	115669
MB 180-115669/1-A	Method Blank	Total/NA	Solid	8260C	115669

Prep Batch: 115669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-4	SSHS-B72-6-10 (8)	Total/NA	Solid	5035	
180-35858-4 MS	SSHS-B72-6-10 (8)	Total/NA	Solid	5035	
180-35858-4 MSD	SSHS-B72-6-10 (8)	Total/NA	Solid	5035	
LCS 180-115669/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 180-115669/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-1	SSHS-B72-SS	Total/NA	Solid	8260C	115779
180-35858-2	SSHS-B72-0.17-2 (1)	Total/NA	Solid	8260C	115779
180-35858-3	SSHS-B72-3-5 (4)	Total/NA	Solid	8260C	115779
180-35858-5	SSHS-B72-11.5-13.5 (12.5)	Total/NA	Solid	8260C	115779
180-35858-10	SSHS-B100-6-10 (8)	Total/NA	Solid	8260C	115779
180-35858-11	SSHS-B100-10-13.5 (12)	Total/NA	Solid	8260C	115779
LCS 180-115779/2-A	Lab Control Sample	Total/NA	Solid	8260C	115779
LCSD 180-115779/3-A	Lab Control Sample Dup	Total/NA	Solid	8260C	115779
MB 180-115779/1-A	Method Blank	Total/NA	Solid	8260C	115779

Prep Batch: 115779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-1	SSHS-B72-SS	Total/NA	Solid	5035	
180-35858-2	SSHS-B72-0.17-2 (1)	Total/NA	Solid	5035	
180-35858-3	SSHS-B72-3-5 (4)	Total/NA	Solid	5035	
180-35858-5	SSHS-B72-11.5-13.5 (12.5)	Total/NA	Solid	5035	
180-35858-10	SSHS-B100-6-10 (8)	Total/NA	Solid	5035	
180-35858-11	SSHS-B100-10-13.5 (12)	Total/NA	Solid	5035	
LCS 180-115779/2-A	Lab Control Sample	Total/NA	Solid	5035	

GC/MS VOA (Continued)

Prep Batch: 115779 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 180-115779/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 180-115779/1-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 115842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-13	SSHS-B43-A-SS	Total/NA	Solid	5035	
LCS 180-115842/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 180-115842/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 180-115842/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 115865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-8	SSHS-B100-0.17-2 (1.5)	Total/NA	Solid	8260C	115874
180-35858-9	SSHS-B100-4-6 (5.5)	Total/NA	Solid	8260C	115874
180-35858-14	SSHS-B43-A-0.17-2 (1.5)	Total/NA	Solid	8260C	115874
180-35858-16	SSHS-B43-A-7-9 (8)	Total/NA	Solid	8260C	115874
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)	Total/NA	Solid	8260C	115874
180-35858-19	SSHS-B71-0.17-2 (1.5)	Total/NA	Solid	8260C	115874
180-35858-20	SSHS-B71-2.5-4.5 (3.5)	Total/NA	Solid	8260C	115874
180-35858-21	SSHS-B71-6-9.5R (8)	Total/NA	Solid	8260C	115874
180-35858-22	SSHS-B42-A-SS	Total/NA	Solid	8260C	115874
180-35858-23	SSHS-B42-A-0.17-2 (1)	Total/NA	Solid	8260C	115874
180-35858-24	SSHS-B42-A-3-5 (4)	Total/NA	Solid	8260C	115874
180-35858-25	SSHS-B42-A-7-9 (8)	Total/NA	Solid	8260C	115874
180-35858-26	SSHS-B42-A-11-13 (12)	Total/NA	Solid	8260C	115874
180-35858-27	DUP-20	Total/NA	Solid	8260C	115874
180-35858-28	DUP-21	Total/NA	Solid	8260C	115874
LCS 180-115874/2-A	Lab Control Sample	Total/NA	Solid	8260C	115874
LCSD 180-115874/3-A	Lab Control Sample Dup	Total/NA	Solid	8260C	115874
MB 180-115874/1-A	Method Blank	Total/NA	Solid	8260C	115874

Prep Batch: 115874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-8	SSHS-B100-0.17-2 (1.5)	Total/NA	Solid	5035	
180-35858-9	SSHS-B100-4-6 (5.5)	Total/NA	Solid	5035	
180-35858-14	SSHS-B43-A-0.17-2 (1.5)	Total/NA	Solid	5035	
180-35858-16	SSHS-B43-A-7-9 (8)	Total/NA	Solid	5035	
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)	Total/NA	Solid	5035	
180-35858-19	SSHS-B71-0.17-2 (1.5)	Total/NA	Solid	5035	
180-35858-20	SSHS-B71-2.5-4.5 (3.5)	Total/NA	Solid	5035	
180-35858-21	SSHS-B71-6-9.5R (8)	Total/NA	Solid	5035	
180-35858-22	SSHS-B42-A-SS	Total/NA	Solid	5035	
180-35858-23	SSHS-B42-A-0.17-2 (1)	Total/NA	Solid	5035	
180-35858-24	SSHS-B42-A-3-5 (4)	Total/NA	Solid	5035	
180-35858-25	SSHS-B42-A-7-9 (8)	Total/NA	Solid	5035	
180-35858-26	SSHS-B42-A-11-13 (12)	Total/NA	Solid	5035	
180-35858-27	DUP-20	Total/NA	Solid	5035	
180-35858-28	DUP-21	Total/NA	Solid	5035	
LCS 180-115874/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 180-115874/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 180-115874/1-A	Method Blank	Total/NA	Solid	5035	

GC/MS VOA (Continued)

Analysis Batch: 115898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-13	SSHS-B43-A-SS	Total/NA	Solid	8260C	115842
LCS 180-115842/2-A	Lab Control Sample	Total/NA	Solid	8260C	115842
LCSD 180-115842/3-A	Lab Control Sample Dup	Total/NA	Solid	8260C	115842
MB 180-115842/1-A	Method Blank	Total/NA	Solid	8260C	115842

Analysis Batch: 115910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-29	20140815-EQUIPMENT BLANK-SOIL	Total/NA	Water	8260C	
LCS 180-115910/8	Lab Control Sample	Total/NA	Water	8260C	
MB 180-115910/5	Method Blank	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 115557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-29	20140815-EQUIPMENT BLANK-SOIL	Total/NA	Water	3520C	
LCS 180-115557/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 180-115557/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 180-115557/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 115899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-115557/2-A	Lab Control Sample	Total/NA	Water	8270D LL	115557
LCSD 180-115557/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	115557
MB 180-115557/1-A	Method Blank	Total/NA	Water	8270D LL	115557

Analysis Batch: 116057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-29	20140815-EQUIPMENT BLANK-SOIL	Total/NA	Water	8270D LL	115557

Prep Batch: 116334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-1	SSHS-B72-SS	Total/NA	Solid	3541	
180-35858-2	SSHS-B72-0.17-2 (1)	Total/NA	Solid	3541	
180-35858-3	SSHS-B72-3-5 (4)	Total/NA	Solid	3541	
180-35858-4	SSHS-B72-6-10 (8)	Total/NA	Solid	3541	
180-35858-4 MS	SSHS-B72-6-10 (8)	Total/NA	Solid	3541	
180-35858-4 MSD	SSHS-B72-6-10 (8)	Total/NA	Solid	3541	
180-35858-5	SSHS-B72-11.5-13.5 (12.5)	Total/NA	Solid	3541	
180-35858-8	SSHS-B100-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35858-9	SSHS-B100-4-6 (5.5)	Total/NA	Solid	3541	
180-35858-10	SSHS-B100-6-10 (8)	Total/NA	Solid	3541	
180-35858-11	SSHS-B100-10-13.5 (12)	Total/NA	Solid	3541	
180-35858-13	SSHS-B43-A-SS	Total/NA	Solid	3541	
180-35858-14	SSHS-B43-A-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35858-16	SSHS-B43-A-7-9 (8)	Total/NA	Solid	3541	
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)	Total/NA	Solid	3541	
180-35858-19	SSHS-B71-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35858-20	SSHS-B71-2.5-4.5 (3.5)	Total/NA	Solid	3541	
LCS 180-116334/2-A	Lab Control Sample	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 116334 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-116334/1-A	Method Blank	Total/NA	Solid	3541	

Prep Batch: 116431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-15	SSHS-B43-A-2-6 (4)	Total/NA	Solid	3541	
180-35858-15 MS	SSHS-B43-A-2-6 (4)	Total/NA	Solid	3541	
180-35858-15 MSD	SSHS-B43-A-2-6 (4)	Total/NA	Solid	3541	
180-35858-21	SSHS-B71-6-9.5R (8)	Total/NA	Solid	3541	
180-35858-22	SSHS-B42-A-SS	Total/NA	Solid	3541	
180-35858-23	SSHS-B42-A-0.17-2 (1)	Total/NA	Solid	3541	
180-35858-24	SSHS-B42-A-3-5 (4)	Total/NA	Solid	3541	
180-35858-25	SSHS-B42-A-7-9 (8)	Total/NA	Solid	3541	
180-35858-26	SSHS-B42-A-11-13 (12)	Total/NA	Solid	3541	
180-35858-27	DUP-20	Total/NA	Solid	3541	
180-35858-28	DUP-21	Total/NA	Solid	3541	
LCS 180-116431/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-116431/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 116484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-1	SSHS-B72-SS	Total/NA	Solid	8270D	116334
180-35858-2	SSHS-B72-0.17-2 (1)	Total/NA	Solid	8270D	116334
180-35858-3	SSHS-B72-3-5 (4)	Total/NA	Solid	8270D	116334
180-35858-4	SSHS-B72-6-10 (8)	Total/NA	Solid	8270D	116334
180-35858-4 MS	SSHS-B72-6-10 (8)	Total/NA	Solid	8270D	116334
180-35858-4 MSD	SSHS-B72-6-10 (8)	Total/NA	Solid	8270D	116334
180-35858-5	SSHS-B72-11.5-13.5 (12.5)	Total/NA	Solid	8270D	116334
180-35858-8	SSHS-B100-0.17-2 (1.5)	Total/NA	Solid	8270D	116334
180-35858-9	SSHS-B100-4-6 (5.5)	Total/NA	Solid	8270D	116334
180-35858-10	SSHS-B100-6-10 (8)	Total/NA	Solid	8270D	116334
180-35858-11	SSHS-B100-10-13.5 (12)	Total/NA	Solid	8270D	116334
180-35858-13	SSHS-B43-A-SS	Total/NA	Solid	8270D	116334
180-35858-14	SSHS-B43-A-0.17-2 (1.5)	Total/NA	Solid	8270D	116334
180-35858-15	SSHS-B43-A-2-6 (4)	Total/NA	Solid	8270D	116431
180-35858-15 MS	SSHS-B43-A-2-6 (4)	Total/NA	Solid	8270D	116431
180-35858-15 MSD	SSHS-B43-A-2-6 (4)	Total/NA	Solid	8270D	116431
180-35858-16	SSHS-B43-A-7-9 (8)	Total/NA	Solid	8270D	116334
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)	Total/NA	Solid	8270D	116334
180-35858-19	SSHS-B71-0.17-2 (1.5)	Total/NA	Solid	8270D	116334
180-35858-20	SSHS-B71-2.5-4.5 (3.5)	Total/NA	Solid	8270D	116334
LCS 180-116334/2-A	Lab Control Sample	Total/NA	Solid	8270D	116334
LCS 180-116431/2-A	Lab Control Sample	Total/NA	Solid	8270D	116431
MB 180-116334/1-A	Method Blank	Total/NA	Solid	8270D	116334
MB 180-116431/1-A	Method Blank	Total/NA	Solid	8270D	116431

Analysis Batch: 116523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-21	SSHS-B71-6-9.5R (8)	Total/NA	Solid	8270D	116431
180-35858-22	SSHS-B42-A-SS	Total/NA	Solid	8270D	116431
180-35858-23	SSHS-B42-A-0.17-2 (1)	Total/NA	Solid	8270D	116431
180-35858-24	SSHS-B42-A-3-5 (4)	Total/NA	Solid	8270D	116431

GC/MS Semi VOA (Continued)

Analysis Batch: 116523 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-25	SSHS-B42-A-7-9 (8)	Total/NA	Solid	8270D	116431
180-35858-26	SSHS-B42-A-11-13 (12)	Total/NA	Solid	8270D	116431
180-35858-27	DUP-20	Total/NA	Solid	8270D	116431
180-35858-28	DUP-21	Total/NA	Solid	8270D	116431

GC Semi VOA

Prep Batch: 115137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-29	20140815-EQUIPMENT BLANK-SOIL	Total/NA	Water	3510C	
LCS 180-115137/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 180-115137/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 180-115137/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 180-115137/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 180-115137/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 115424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-29	20140815-EQUIPMENT BLANK-SOIL	Total/NA	Water	8081B_LL	115137
LCS 180-115137/2-A	Lab Control Sample	Total/NA	Water	8081B_LL	115137
LCSD 180-115137/3-A	Lab Control Sample Dup	Total/NA	Water	8081B_LL	115137
MB 180-115137/1-A	Method Blank	Total/NA	Water	8081B_LL	115137

Analysis Batch: 115456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-29	20140815-EQUIPMENT BLANK-SOIL	Total/NA	Water	8082A	115137
LCS 180-115137/4-A	Lab Control Sample	Total/NA	Water	8082A	115137
LCSD 180-115137/5-A	Lab Control Sample Dup	Total/NA	Water	8082A	115137
MB 180-115137/1-A	Method Blank	Total/NA	Water	8082A	115137

Analysis Batch: 115470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-29	20140815-EQUIPMENT BLANK-SOIL	Total/NA	Water	8082A	115137
LCS 180-115137/4-A	Lab Control Sample	Total/NA	Water	8082A	115137
LCSD 180-115137/5-A	Lab Control Sample Dup	Total/NA	Water	8082A	115137
MB 180-115137/1-A	Method Blank	Total/NA	Water	8082A	115137

Prep Batch: 116335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-1	SSHS-B72-SS	Total/NA	Solid	3541	
180-35858-2	SSHS-B72-0.17-2 (1)	Total/NA	Solid	3541	
180-35858-3	SSHS-B72-3-5 (4)	Total/NA	Solid	3541	
180-35858-4	SSHS-B72-6-10 (8)	Total/NA	Solid	3541	
180-35858-4 MS	SSHS-B72-6-10 (8)	Total/NA	Solid	3541	
180-35858-4 MS	SSHS-B72-6-10 (8)	Total/NA	Solid	3541	
180-35858-4 MSD	SSHS-B72-6-10 (8)	Total/NA	Solid	3541	
180-35858-4 MSD	SSHS-B72-6-10 (8)	Total/NA	Solid	3541	
180-35858-5	SSHS-B72-11.5-13.5 (12.5)	Total/NA	Solid	3541	
180-35858-8	SSHS-B100-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35858-9	SSHS-B100-4-6 (5.5)	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 116335 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-10	SSHS-B100-6-10 (8)	Total/NA	Solid	3541	
180-35858-11	SSHS-B100-10-13.5 (12)	Total/NA	Solid	3541	
180-35858-13	SSHS-B43-A-SS	Total/NA	Solid	3541	
180-35858-14	SSHS-B43-A-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35858-16	SSHS-B43-A-7-9 (8)	Total/NA	Solid	3541	
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)	Total/NA	Solid	3541	
180-35858-19	SSHS-B71-0.17-2 (1.5)	Total/NA	Solid	3541	
180-35858-20	SSHS-B71-2.5-4.5 (3.5)	Total/NA	Solid	3541	
LCS 180-116335/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCS 180-116335/5-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-116335/1-A	Method Blank	Total/NA	Solid	3541	
MB 180-116335/1-C	Method Blank	Total/NA	Solid	3541	

Prep Batch: 116429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-15	SSHS-B43-A-2-6 (4)	Total/NA	Solid	3541	
180-35858-15 MS	SSHS-B43-A-2-6 (4)	Total/NA	Solid	3541	
180-35858-15 MS	SSHS-B43-A-2-6 (4)	Total/NA	Solid	3541	
180-35858-15 MSD	SSHS-B43-A-2-6 (4)	Total/NA	Solid	3541	
180-35858-15 MSD	SSHS-B43-A-2-6 (4)	Total/NA	Solid	3541	
180-35858-21	SSHS-B71-6-9.5R (8)	Total/NA	Solid	3541	
180-35858-22	SSHS-B42-A-SS	Total/NA	Solid	3541	
180-35858-23	SSHS-B42-A-0.17-2 (1)	Total/NA	Solid	3541	
180-35858-24	SSHS-B42-A-3-5 (4)	Total/NA	Solid	3541	
180-35858-25	SSHS-B42-A-7-9 (8)	Total/NA	Solid	3541	
180-35858-26	SSHS-B42-A-11-13 (12)	Total/NA	Solid	3541	
180-35858-27	DUP-20	Total/NA	Solid	3541	
180-35858-28	DUP-21	Total/NA	Solid	3541	
LCS 180-116429/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCS 180-116429/5-C	Lab Control Sample	Total/NA	Solid	3541	
MB 180-116429/1-A	Method Blank	Total/NA	Solid	3541	
MB 180-116429/1-C	Method Blank	Total/NA	Solid	3541	

Cleanup Batch: 116455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-1	SSHS-B72-SS	Total/NA	Solid	3665A	116335
180-35858-2	SSHS-B72-0.17-2 (1)	Total/NA	Solid	3665A	116335
180-35858-3	SSHS-B72-3-5 (4)	Total/NA	Solid	3665A	116335
180-35858-4	SSHS-B72-6-10 (8)	Total/NA	Solid	3665A	116335
180-35858-4 MS	SSHS-B72-6-10 (8)	Total/NA	Solid	3665A	116335
180-35858-4 MSD	SSHS-B72-6-10 (8)	Total/NA	Solid	3665A	116335
180-35858-5	SSHS-B72-11.5-13.5 (12.5)	Total/NA	Solid	3665A	116335
180-35858-8	SSHS-B100-0.17-2 (1.5)	Total/NA	Solid	3665A	116335
180-35858-9	SSHS-B100-4-6 (5.5)	Total/NA	Solid	3665A	116335
180-35858-10	SSHS-B100-6-10 (8)	Total/NA	Solid	3665A	116335
180-35858-11	SSHS-B100-10-13.5 (12)	Total/NA	Solid	3665A	116335
180-35858-13	SSHS-B43-A-SS	Total/NA	Solid	3665A	116335
180-35858-14	SSHS-B43-A-0.17-2 (1.5)	Total/NA	Solid	3665A	116335
180-35858-16	SSHS-B43-A-7-9 (8)	Total/NA	Solid	3665A	116335
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)	Total/NA	Solid	3665A	116335
180-35858-19	SSHS-B71-0.17-2 (1.5)	Total/NA	Solid	3665A	116335

GC Semi VOA (Continued)

Cleanup Batch: 116455 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-20	SSHS-B71-2.5-4.5 (3.5)	Total/NA	Solid	3665A	116335
LCS 180-116335/5-C	Lab Control Sample	Total/NA	Solid	3665A	116335
MB 180-116335/1-C	Method Blank	Total/NA	Solid	3665A	116335

Cleanup Batch: 116457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-1	SSHS-B72-SS	Total/NA	Solid	3660B	116455
180-35858-2	SSHS-B72-0.17-2 (1)	Total/NA	Solid	3660B	116455
180-35858-3	SSHS-B72-3-5 (4)	Total/NA	Solid	3660B	116455
180-35858-4	SSHS-B72-6-10 (8)	Total/NA	Solid	3660B	116455
180-35858-4 MS	SSHS-B72-6-10 (8)	Total/NA	Solid	3660B	116455
180-35858-4 MSD	SSHS-B72-6-10 (8)	Total/NA	Solid	3660B	116455
180-35858-5	SSHS-B72-11.5-13.5 (12.5)	Total/NA	Solid	3660B	116455
180-35858-8	SSHS-B100-0.17-2 (1.5)	Total/NA	Solid	3660B	116455
180-35858-9	SSHS-B100-4-6 (5.5)	Total/NA	Solid	3660B	116455
180-35858-10	SSHS-B100-6-10 (8)	Total/NA	Solid	3660B	116455
180-35858-11	SSHS-B100-10-13.5 (12)	Total/NA	Solid	3660B	116455
180-35858-13	SSHS-B43-A-SS	Total/NA	Solid	3660B	116455
180-35858-14	SSHS-B43-A-0.17-2 (1.5)	Total/NA	Solid	3660B	116455
180-35858-16	SSHS-B43-A-7-9 (8)	Total/NA	Solid	3660B	116455
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)	Total/NA	Solid	3660B	116455
180-35858-19	SSHS-B71-0.17-2 (1.5)	Total/NA	Solid	3660B	116455
180-35858-20	SSHS-B71-2.5-4.5 (3.5)	Total/NA	Solid	3660B	116455
LCS 180-116335/5-C	Lab Control Sample	Total/NA	Solid	3660B	116455
MB 180-116335/1-C	Method Blank	Total/NA	Solid	3660B	116455

Analysis Batch: 116496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-1	SSHS-B72-SS	Total/NA	Solid	8081B	116335
180-35858-2	SSHS-B72-0.17-2 (1)	Total/NA	Solid	8081B	116335
180-35858-3	SSHS-B72-3-5 (4)	Total/NA	Solid	8081B	116335
180-35858-4	SSHS-B72-6-10 (8)	Total/NA	Solid	8081B	116335
180-35858-4 MS	SSHS-B72-6-10 (8)	Total/NA	Solid	8081B	116335
180-35858-4 MSD	SSHS-B72-6-10 (8)	Total/NA	Solid	8081B	116335
180-35858-5	SSHS-B72-11.5-13.5 (12.5)	Total/NA	Solid	8081B	116335
180-35858-8	SSHS-B100-0.17-2 (1.5)	Total/NA	Solid	8081B	116335
180-35858-9	SSHS-B100-4-6 (5.5)	Total/NA	Solid	8081B	116335
180-35858-10	SSHS-B100-6-10 (8)	Total/NA	Solid	8081B	116335
180-35858-11	SSHS-B100-10-13.5 (12)	Total/NA	Solid	8081B	116335
180-35858-13	SSHS-B43-A-SS	Total/NA	Solid	8081B	116335
180-35858-14	SSHS-B43-A-0.17-2 (1.5)	Total/NA	Solid	8081B	116335
180-35858-16	SSHS-B43-A-7-9 (8)	Total/NA	Solid	8081B	116335
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)	Total/NA	Solid	8081B	116335
180-35858-19	SSHS-B71-0.17-2 (1.5)	Total/NA	Solid	8081B	116335
180-35858-20	SSHS-B71-2.5-4.5 (3.5)	Total/NA	Solid	8081B	116335
LCS 180-116335/2-A	Lab Control Sample	Total/NA	Solid	8081B	116335
MB 180-116335/1-A	Method Blank	Total/NA	Solid	8081B	116335

Cleanup Batch: 116529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-15	SSHS-B43-A-2-6 (4)	Total/NA	Solid	3665A	116429

GC Semi VOA (Continued)

Cleanup Batch: 116529 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-15 MS	SSHS-B43-A-2-6 (4)	Total/NA	Solid	3665A	116429
180-35858-15 MSD	SSHS-B43-A-2-6 (4)	Total/NA	Solid	3665A	116429
180-35858-21	SSHS-B71-6-9.5R (8)	Total/NA	Solid	3665A	116429
180-35858-22	SSHS-B42-A-SS	Total/NA	Solid	3665A	116429
180-35858-23	SSHS-B42-A-0.17-2 (1)	Total/NA	Solid	3665A	116429
180-35858-24	SSHS-B42-A-3-5 (4)	Total/NA	Solid	3665A	116429
180-35858-25	SSHS-B42-A-7-9 (8)	Total/NA	Solid	3665A	116429
180-35858-26	SSHS-B42-A-11-13 (12)	Total/NA	Solid	3665A	116429
180-35858-27	DUP-20	Total/NA	Solid	3665A	116429
180-35858-28	DUP-21	Total/NA	Solid	3665A	116429
LCS 180-116429/5-C	Lab Control Sample	Total/NA	Solid	3665A	116429
MB 180-116429/1-C	Method Blank	Total/NA	Solid	3665A	116429

Cleanup Batch: 116531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-15	SSHS-B43-A-2-6 (4)	Total/NA	Solid	3660B	116529
180-35858-15 MS	SSHS-B43-A-2-6 (4)	Total/NA	Solid	3660B	116529
180-35858-15 MSD	SSHS-B43-A-2-6 (4)	Total/NA	Solid	3660B	116529
180-35858-21	SSHS-B71-6-9.5R (8)	Total/NA	Solid	3660B	116529
180-35858-22	SSHS-B42-A-SS	Total/NA	Solid	3660B	116529
180-35858-23	SSHS-B42-A-0.17-2 (1)	Total/NA	Solid	3660B	116529
180-35858-24	SSHS-B42-A-3-5 (4)	Total/NA	Solid	3660B	116529
180-35858-25	SSHS-B42-A-7-9 (8)	Total/NA	Solid	3660B	116529
180-35858-26	SSHS-B42-A-11-13 (12)	Total/NA	Solid	3660B	116529
180-35858-27	DUP-20	Total/NA	Solid	3660B	116529
180-35858-28	DUP-21	Total/NA	Solid	3660B	116529
LCS 180-116429/5-C	Lab Control Sample	Total/NA	Solid	3660B	116529
MB 180-116429/1-C	Method Blank	Total/NA	Solid	3660B	116529

Analysis Batch: 116583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-1	SSHS-B72-SS	Total/NA	Solid	8082A	116457
180-35858-2	SSHS-B72-0.17-2 (1)	Total/NA	Solid	8082A	116457
180-35858-3	SSHS-B72-3-5 (4)	Total/NA	Solid	8082A	116457
180-35858-4	SSHS-B72-6-10 (8)	Total/NA	Solid	8082A	116457
180-35858-4 MS	SSHS-B72-6-10 (8)	Total/NA	Solid	8082A	116457
180-35858-4 MSD	SSHS-B72-6-10 (8)	Total/NA	Solid	8082A	116457
180-35858-5	SSHS-B72-11.5-13.5 (12.5)	Total/NA	Solid	8082A	116457
180-35858-8	SSHS-B100-0.17-2 (1.5)	Total/NA	Solid	8082A	116457
180-35858-9	SSHS-B100-4-6 (5.5)	Total/NA	Solid	8082A	116457
180-35858-10	SSHS-B100-6-10 (8)	Total/NA	Solid	8082A	116457
180-35858-11	SSHS-B100-10-13.5 (12)	Total/NA	Solid	8082A	116457
180-35858-13	SSHS-B43-A-SS	Total/NA	Solid	8082A	116457
180-35858-14	SSHS-B43-A-0.17-2 (1.5)	Total/NA	Solid	8082A	116457
180-35858-16	SSHS-B43-A-7-9 (8)	Total/NA	Solid	8082A	116457
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)	Total/NA	Solid	8082A	116457
180-35858-19	SSHS-B71-0.17-2 (1.5)	Total/NA	Solid	8082A	116457
180-35858-20	SSHS-B71-2.5-4.5 (3.5)	Total/NA	Solid	8082A	116457
LCS 180-116335/5-C	Lab Control Sample	Total/NA	Solid	8082A	116457
MB 180-116335/1-C	Method Blank	Total/NA	Solid	8082A	116457

GC Semi VOA (Continued)

Analysis Batch: 116586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-1	SSHS-B72-SS	Total/NA	Solid	8082A	116457
180-35858-2	SSHS-B72-0.17-2 (1)	Total/NA	Solid	8082A	116457
180-35858-3	SSHS-B72-3-5 (4)	Total/NA	Solid	8082A	116457
180-35858-4	SSHS-B72-6-10 (8)	Total/NA	Solid	8082A	116457
180-35858-4 MS	SSHS-B72-6-10 (8)	Total/NA	Solid	8082A	116457
180-35858-4 MSD	SSHS-B72-6-10 (8)	Total/NA	Solid	8082A	116457
180-35858-5	SSHS-B72-11.5-13.5 (12.5)	Total/NA	Solid	8082A	116457
180-35858-8	SSHS-B100-0.17-2 (1.5)	Total/NA	Solid	8082A	116457
180-35858-9	SSHS-B100-4-6 (5.5)	Total/NA	Solid	8082A	116457
180-35858-10	SSHS-B100-6-10 (8)	Total/NA	Solid	8082A	116457
180-35858-11	SSHS-B100-10-13.5 (12)	Total/NA	Solid	8082A	116457
180-35858-13	SSHS-B43-A-SS	Total/NA	Solid	8082A	116457
180-35858-14	SSHS-B43-A-0.17-2 (1.5)	Total/NA	Solid	8082A	116457
180-35858-16	SSHS-B43-A-7-9 (8)	Total/NA	Solid	8082A	116457
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)	Total/NA	Solid	8082A	116457
180-35858-19	SSHS-B71-0.17-2 (1.5)	Total/NA	Solid	8082A	116457
180-35858-20	SSHS-B71-2.5-4.5 (3.5)	Total/NA	Solid	8082A	116457
MB 180-116335/1-C	Method Blank	Total/NA	Solid	8082A	116457

Analysis Batch: 116625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-15	SSHS-B43-A-2-6 (4)	Total/NA	Solid	8082A	116531
180-35858-15 MS	SSHS-B43-A-2-6 (4)	Total/NA	Solid	8082A	116531
180-35858-15 MSD	SSHS-B43-A-2-6 (4)	Total/NA	Solid	8082A	116531
180-35858-21	SSHS-B71-6-9.5R (8)	Total/NA	Solid	8082A	116531
180-35858-22	SSHS-B42-A-SS	Total/NA	Solid	8082A	116531
180-35858-23	SSHS-B42-A-0.17-2 (1)	Total/NA	Solid	8082A	116531
180-35858-24	SSHS-B42-A-3-5 (4)	Total/NA	Solid	8082A	116531
180-35858-25	SSHS-B42-A-7-9 (8)	Total/NA	Solid	8082A	116531
180-35858-26	SSHS-B42-A-11-13 (12)	Total/NA	Solid	8082A	116531
180-35858-27	DUP-20	Total/NA	Solid	8082A	116531
180-35858-28	DUP-21	Total/NA	Solid	8082A	116531
LCS 180-116429/5-C	Lab Control Sample	Total/NA	Solid	8082A	116531
MB 180-116429/1-C	Method Blank	Total/NA	Solid	8082A	116531

Analysis Batch: 116627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-15	SSHS-B43-A-2-6 (4)	Total/NA	Solid	8082A	116531
180-35858-15 MS	SSHS-B43-A-2-6 (4)	Total/NA	Solid	8082A	116531
180-35858-15 MSD	SSHS-B43-A-2-6 (4)	Total/NA	Solid	8082A	116531
180-35858-21	SSHS-B71-6-9.5R (8)	Total/NA	Solid	8082A	116531
180-35858-22	SSHS-B42-A-SS	Total/NA	Solid	8082A	116531
180-35858-23	SSHS-B42-A-0.17-2 (1)	Total/NA	Solid	8082A	116531
180-35858-24	SSHS-B42-A-3-5 (4)	Total/NA	Solid	8082A	116531
180-35858-25	SSHS-B42-A-7-9 (8)	Total/NA	Solid	8082A	116531
180-35858-26	SSHS-B42-A-11-13 (12)	Total/NA	Solid	8082A	116531
180-35858-27	DUP-20	Total/NA	Solid	8082A	116531
180-35858-28	DUP-21	Total/NA	Solid	8082A	116531
LCS 180-116429/5-C	Lab Control Sample	Total/NA	Solid	8082A	116531
MB 180-116429/1-C	Method Blank	Total/NA	Solid	8082A	116531

GC Semi VOA (Continued)

Analysis Batch: 116644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-15	SSHS-B43-A-2-6 (4)	Total/NA	Solid	8081B	116429
180-35858-15 MS	SSHS-B43-A-2-6 (4)	Total/NA	Solid	8081B	116429
180-35858-15 MSD	SSHS-B43-A-2-6 (4)	Total/NA	Solid	8081B	116429
180-35858-21	SSHS-B71-6-9.5R (8)	Total/NA	Solid	8081B	116429
180-35858-22	SSHS-B42-A-SS	Total/NA	Solid	8081B	116429
180-35858-23	SSHS-B42-A-0.17-2 (1)	Total/NA	Solid	8081B	116429
180-35858-24	SSHS-B42-A-3-5 (4)	Total/NA	Solid	8081B	116429
180-35858-25	SSHS-B42-A-7-9 (8)	Total/NA	Solid	8081B	116429
180-35858-26	SSHS-B42-A-11-13 (12)	Total/NA	Solid	8081B	116429
180-35858-27	DUP-20	Total/NA	Solid	8081B	116429
180-35858-28	DUP-21	Total/NA	Solid	8081B	116429
LCS 180-116429/2-A	Lab Control Sample	Total/NA	Solid	8081B	116429
MB 180-116429/1-A	Method Blank	Total/NA	Solid	8081B	116429

Metals

Prep Batch: 115230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-29	20140815-EQUIPMENT BLANK-SOIL	Total Recoverable	Water	3005A	
180-35858-29 MS	20140815-EQUIPMENT BLANK-SOIL	Total Recoverable	Water	3005A	
180-35858-29 MSD	20140815-EQUIPMENT BLANK-SOIL	Total Recoverable	Water	3005A	
LCS 180-115230/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 180-115230/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 115423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-29	20140815-EQUIPMENT BLANK-SOIL	Total/NA	Water	7470A	
LCS 180-115423/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 180-115423/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
MB 180-115423/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 115556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-29	20140815-EQUIPMENT BLANK-SOIL	Total/NA	Water	7470A	115423
LCS 180-115423/2-A	Lab Control Sample	Total/NA	Water	7470A	115423
LCSD 180-115423/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	115423
MB 180-115423/1-A	Method Blank	Total/NA	Water	7470A	115423

Prep Batch: 116030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-1	SSHS-B72-SS	Total/NA	Solid	3050B	
180-35858-2	SSHS-B72-0.17-2 (1)	Total/NA	Solid	3050B	
180-35858-3	SSHS-B72-3-5 (4)	Total/NA	Solid	3050B	
180-35858-4	SSHS-B72-6-10 (8)	Total/NA	Solid	3050B	
180-35858-4 MS	SSHS-B72-6-10 (8)	Total/NA	Solid	3050B	
180-35858-4 MSD	SSHS-B72-6-10 (8)	Total/NA	Solid	3050B	
180-35858-5	SSHS-B72-11.5-13.5 (12.5)	Total/NA	Solid	3050B	
180-35858-8	SSHS-B100-0.17-2 (1.5)	Total/NA	Solid	3050B	
180-35858-9	SSHS-B100-4-6 (5.5)	Total/NA	Solid	3050B	
180-35858-10	SSHS-B100-6-10 (8)	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 116030 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-11	SSHS-B100-10-13.5 (12)	Total/NA	Solid	3050B	
180-35858-13	SSHS-B43-A-SS	Total/NA	Solid	3050B	
180-35858-14	SSHS-B43-A-0.17-2 (1.5)	Total/NA	Solid	3050B	
LCS 180-116030/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 180-116030/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 116032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-15	SSHS-B43-A-2-6 (4)	Total/NA	Solid	3050B	
180-35858-15 MS	SSHS-B43-A-2-6 (4)	Total/NA	Solid	3050B	
180-35858-15 MSD	SSHS-B43-A-2-6 (4)	Total/NA	Solid	3050B	
180-35858-16	SSHS-B43-A-7-9 (8)	Total/NA	Solid	3050B	
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)	Total/NA	Solid	3050B	
180-35858-19	SSHS-B71-0.17-2 (1.5)	Total/NA	Solid	3050B	
180-35858-20	SSHS-B71-2.5-4.5 (3.5)	Total/NA	Solid	3050B	
180-35858-21	SSHS-B71-6-9.5R (8)	Total/NA	Solid	3050B	
180-35858-22	SSHS-B42-A-SS	Total/NA	Solid	3050B	
180-35858-23	SSHS-B42-A-0.17-2 (1)	Total/NA	Solid	3050B	
180-35858-24	SSHS-B42-A-3-5 (4)	Total/NA	Solid	3050B	
180-35858-25	SSHS-B42-A-7-9 (8)	Total/NA	Solid	3050B	
180-35858-26	SSHS-B42-A-11-13 (12)	Total/NA	Solid	3050B	
180-35858-27	DUP-20	Total/NA	Solid	3050B	
180-35858-28	DUP-21	Total/NA	Solid	3050B	
LCS 180-116032/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 180-116032/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 116140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-29	20140815-EQUIPMENT BLANK-SOIL	Total Recoverable	Water	6010C	115230
180-35858-29 MS	20140815-EQUIPMENT BLANK-SOIL	Total Recoverable	Water	6010C	115230
180-35858-29 MSD	20140815-EQUIPMENT BLANK-SOIL	Total Recoverable	Water	6010C	115230
LCS 180-115230/2-A	Lab Control Sample	Total Recoverable	Water	6010C	115230
MB 180-115230/1-A	Method Blank	Total Recoverable	Water	6010C	115230

Analysis Batch: 116283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-29	20140815-EQUIPMENT BLANK-SOIL	Total Recoverable	Water	6010C	115230
180-35858-29 MS	20140815-EQUIPMENT BLANK-SOIL	Total Recoverable	Water	6010C	115230
180-35858-29 MSD	20140815-EQUIPMENT BLANK-SOIL	Total Recoverable	Water	6010C	115230
LCS 180-115230/2-A	Lab Control Sample	Total Recoverable	Water	6010C	115230
MB 180-115230/1-A	Method Blank	Total Recoverable	Water	6010C	115230

Prep Batch: 116358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-1	SSHS-B72-SS	Total/NA	Solid	7471B	
180-35858-2	SSHS-B72-0.17-2 (1)	Total/NA	Solid	7471B	
180-35858-3	SSHS-B72-3-5 (4)	Total/NA	Solid	7471B	
180-35858-4	SSHS-B72-6-10 (8)	Total/NA	Solid	7471B	
180-35858-4 MS	SSHS-B72-6-10 (8)	Total/NA	Solid	7471B	
180-35858-4 MSD	SSHS-B72-6-10 (8)	Total/NA	Solid	7471B	
180-35858-5	SSHS-B72-11.5-13.5 (12.5)	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 116358 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-8	SSHS-B100-0.17-2 (1.5)	Total/NA	Solid	7471B	
180-35858-9	SSHS-B100-4-6 (5.5)	Total/NA	Solid	7471B	
180-35858-10	SSHS-B100-6-10 (8)	Total/NA	Solid	7471B	
180-35858-11	SSHS-B100-10-13.5 (12)	Total/NA	Solid	7471B	
180-35858-13	SSHS-B43-A-SS	Total/NA	Solid	7471B	
180-35858-14	SSHS-B43-A-0.17-2 (1.5)	Total/NA	Solid	7471B	
LCS 180-116358/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 180-116358/1-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 116360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-15	SSHS-B43-A-2-6 (4)	Total/NA	Solid	7471B	
180-35858-15 MS	SSHS-B43-A-2-6 (4)	Total/NA	Solid	7471B	
180-35858-15 MSD	SSHS-B43-A-2-6 (4)	Total/NA	Solid	7471B	
180-35858-16	SSHS-B43-A-7-9 (8)	Total/NA	Solid	7471B	
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)	Total/NA	Solid	7471B	
180-35858-19	SSHS-B71-0.17-2 (1.5)	Total/NA	Solid	7471B	
180-35858-20	SSHS-B71-2.5-4.5 (3.5)	Total/NA	Solid	7471B	
180-35858-21	SSHS-B71-6-9.5R (8)	Total/NA	Solid	7471B	
180-35858-22	SSHS-B42-A-SS	Total/NA	Solid	7471B	
180-35858-23	SSHS-B42-A-0.17-2 (1)	Total/NA	Solid	7471B	
180-35858-24	SSHS-B42-A-3-5 (4)	Total/NA	Solid	7471B	
180-35858-25	SSHS-B42-A-7-9 (8)	Total/NA	Solid	7471B	
180-35858-26	SSHS-B42-A-11-13 (12)	Total/NA	Solid	7471B	
180-35858-27	DUP-20	Total/NA	Solid	7471B	
180-35858-28	DUP-21	Total/NA	Solid	7471B	
LCS 180-116360/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 180-116360/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 116423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-1	SSHS-B72-SS	Total/NA	Solid	7471B	116358
180-35858-2	SSHS-B72-0.17-2 (1)	Total/NA	Solid	7471B	116358
180-35858-3	SSHS-B72-3-5 (4)	Total/NA	Solid	7471B	116358
180-35858-4	SSHS-B72-6-10 (8)	Total/NA	Solid	7471B	116358
180-35858-4 MS	SSHS-B72-6-10 (8)	Total/NA	Solid	7471B	116358
180-35858-4 MSD	SSHS-B72-6-10 (8)	Total/NA	Solid	7471B	116358
180-35858-5	SSHS-B72-11.5-13.5 (12.5)	Total/NA	Solid	7471B	116358
180-35858-8	SSHS-B100-0.17-2 (1.5)	Total/NA	Solid	7471B	116358
180-35858-9	SSHS-B100-4-6 (5.5)	Total/NA	Solid	7471B	116358
180-35858-10	SSHS-B100-6-10 (8)	Total/NA	Solid	7471B	116358
180-35858-11	SSHS-B100-10-13.5 (12)	Total/NA	Solid	7471B	116358
180-35858-13	SSHS-B43-A-SS	Total/NA	Solid	7471B	116358
180-35858-14	SSHS-B43-A-0.17-2 (1.5)	Total/NA	Solid	7471B	116358
180-35858-15	SSHS-B43-A-2-6 (4)	Total/NA	Solid	7471B	116360
180-35858-15 MS	SSHS-B43-A-2-6 (4)	Total/NA	Solid	7471B	116360
180-35858-15 MSD	SSHS-B43-A-2-6 (4)	Total/NA	Solid	7471B	116360
180-35858-16	SSHS-B43-A-7-9 (8)	Total/NA	Solid	7471B	116360
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)	Total/NA	Solid	7471B	116360
180-35858-19	SSHS-B71-0.17-2 (1.5)	Total/NA	Solid	7471B	116360
180-35858-20	SSHS-B71-2.5-4.5 (3.5)	Total/NA	Solid	7471B	116360

Metals (Continued)

Analysis Batch: 116423 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-21	SSHS-B71-6-9.5R (8)	Total/NA	Solid	7471B	116360
180-35858-22	SSHS-B42-A-SS	Total/NA	Solid	7471B	116360
180-35858-23	SSHS-B42-A-0.17-2 (1)	Total/NA	Solid	7471B	116360
180-35858-24	SSHS-B42-A-3-5 (4)	Total/NA	Solid	7471B	116360
180-35858-25	SSHS-B42-A-7-9 (8)	Total/NA	Solid	7471B	116360
180-35858-26	SSHS-B42-A-11-13 (12)	Total/NA	Solid	7471B	116360
180-35858-27	DUP-20	Total/NA	Solid	7471B	116360
180-35858-28	DUP-21	Total/NA	Solid	7471B	116360
LCS 180-116358/2-A	Lab Control Sample	Total/NA	Solid	7471B	116358
LCS 180-116360/2-A	Lab Control Sample	Total/NA	Solid	7471B	116360
MB 180-116358/1-A	Method Blank	Total/NA	Solid	7471B	116358
MB 180-116360/1-A	Method Blank	Total/NA	Solid	7471B	116360

Analysis Batch: 116426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-1	SSHS-B72-SS	Total/NA	Solid	6010C	116030
180-35858-2	SSHS-B72-0.17-2 (1)	Total/NA	Solid	6010C	116030
180-35858-3	SSHS-B72-3-5 (4)	Total/NA	Solid	6010C	116030
180-35858-4	SSHS-B72-6-10 (8)	Total/NA	Solid	6010C	116030
180-35858-4 MS	SSHS-B72-6-10 (8)	Total/NA	Solid	6010C	116030
180-35858-4 MSD	SSHS-B72-6-10 (8)	Total/NA	Solid	6010C	116030
180-35858-5	SSHS-B72-11.5-13.5 (12.5)	Total/NA	Solid	6010C	116030
180-35858-8	SSHS-B100-0.17-2 (1.5)	Total/NA	Solid	6010C	116030
180-35858-8	SSHS-B100-0.17-2 (1.5)	Total/NA	Solid	6010C	116030
180-35858-9	SSHS-B100-4-6 (5.5)	Total/NA	Solid	6010C	116030
180-35858-10	SSHS-B100-6-10 (8)	Total/NA	Solid	6010C	116030
180-35858-11	SSHS-B100-10-13.5 (12)	Total/NA	Solid	6010C	116030
180-35858-13	SSHS-B43-A-SS	Total/NA	Solid	6010C	116030
180-35858-14	SSHS-B43-A-0.17-2 (1.5)	Total/NA	Solid	6010C	116030
LCS 180-116030/2-A	Lab Control Sample	Total/NA	Solid	6010C	116030
MB 180-116030/1-A	Method Blank	Total/NA	Solid	6010C	116030

Analysis Batch: 116453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-15	SSHS-B43-A-2-6 (4)	Total/NA	Solid	6010C	116032
180-35858-15 MS	SSHS-B43-A-2-6 (4)	Total/NA	Solid	6010C	116032
180-35858-15 MSD	SSHS-B43-A-2-6 (4)	Total/NA	Solid	6010C	116032
180-35858-16	SSHS-B43-A-7-9 (8)	Total/NA	Solid	6010C	116032
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)	Total/NA	Solid	6010C	116032
180-35858-19	SSHS-B71-0.17-2 (1.5)	Total/NA	Solid	6010C	116032
180-35858-20	SSHS-B71-2.5-4.5 (3.5)	Total/NA	Solid	6010C	116032
180-35858-21	SSHS-B71-6-9.5R (8)	Total/NA	Solid	6010C	116032
180-35858-22	SSHS-B42-A-SS	Total/NA	Solid	6010C	116032
180-35858-23	SSHS-B42-A-0.17-2 (1)	Total/NA	Solid	6010C	116032
180-35858-24	SSHS-B42-A-3-5 (4)	Total/NA	Solid	6010C	116032
180-35858-25	SSHS-B42-A-7-9 (8)	Total/NA	Solid	6010C	116032
180-35858-26	SSHS-B42-A-11-13 (12)	Total/NA	Solid	6010C	116032
180-35858-27	DUP-20	Total/NA	Solid	6010C	116032
180-35858-28	DUP-21	Total/NA	Solid	6010C	116032
LCS 180-116032/2-A	Lab Control Sample	Total/NA	Solid	6010C	116032
MB 180-116032/1-A	Method Blank	Total/NA	Solid	6010C	116032

General Chemistry

Analysis Batch: 115267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-1	SSHS-B72-SS	Total/NA	Solid	2540G	
180-35858-2	SSHS-B72-0.17-2 (1)	Total/NA	Solid	2540G	
180-35858-3	SSHS-B72-3-5 (4)	Total/NA	Solid	2540G	
180-35858-4	SSHS-B72-6-10 (8)	Total/NA	Solid	2540G	
180-35858-4 DU	SSHS-B72-6-10 (8)	Total/NA	Solid	2540G	
180-35858-15	SSHS-B43-A-2-6 (4)	Total/NA	Solid	2540G	
180-35858-15 DU	SSHS-B43-A-2-6 (4)	Total/NA	Solid	2540G	
180-35858-16	SSHS-B43-A-7-9 (8)	Total/NA	Solid	2540G	
180-35858-20	SSHS-B71-2.5-4.5 (3.5)	Total/NA	Solid	2540G	
180-35858-21	SSHS-B71-6-9.5R (8)	Total/NA	Solid	2540G	
180-35858-22	SSHS-B42-A-SS	Total/NA	Solid	2540G	
180-35858-23	SSHS-B42-A-0.17-2 (1)	Total/NA	Solid	2540G	
180-35858-24	SSHS-B42-A-3-5 (4)	Total/NA	Solid	2540G	
180-35858-25	SSHS-B42-A-7-9 (8)	Total/NA	Solid	2540G	
180-35858-26	SSHS-B42-A-11-13 (12)	Total/NA	Solid	2540G	
180-35858-27	DUP-20	Total/NA	Solid	2540G	

Analysis Batch: 115273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-5	SSHS-B72-11.5-13.5 (12.5)	Total/NA	Solid	2540G	
180-35858-8	SSHS-B100-0.17-2 (1.5)	Total/NA	Solid	2540G	
180-35858-9	SSHS-B100-4-6 (5.5)	Total/NA	Solid	2540G	
180-35858-10	SSHS-B100-6-10 (8)	Total/NA	Solid	2540G	
180-35858-11	SSHS-B100-10-13.5 (12)	Total/NA	Solid	2540G	
180-35858-13	SSHS-B43-A-SS	Total/NA	Solid	2540G	
180-35858-14	SSHS-B43-A-0.17-2 (1.5)	Total/NA	Solid	2540G	
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)	Total/NA	Solid	2540G	
180-35858-19	SSHS-B71-0.17-2 (1.5)	Total/NA	Solid	2540G	
180-35858-28	DUP-21	Total/NA	Solid	2540G	
180-35858-28 DU	DUP-21	Total/NA	Solid	2540G	

Prep Batch: 116102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-1	SSHS-B72-SS	Total/NA	Solid	9010C	
180-35858-2	SSHS-B72-0.17-2 (1)	Total/NA	Solid	9010C	
180-35858-4	SSHS-B72-6-10 (8)	Total/NA	Solid	9010C	
180-35858-4 MS	SSHS-B72-6-10 (8)	Total/NA	Solid	9010C	
180-35858-4 MSD	SSHS-B72-6-10 (8)	Total/NA	Solid	9010C	
HLCS 180-116102/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-116102/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-116102/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-116102/4-A	Method Blank	Total/NA	Solid	9010C	

Prep Batch: 116219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-29	20140815-EQUIPMENT BLANK-SOIL	Total/NA	Water	9010C	
HLCS 180-116219/2-A	Lab Control Sample	Total/NA	Water	9010C	
LCS 180-116219/3-A	Lab Control Sample	Total/NA	Water	9010C	
LLCS 180-116219/1-A	Lab Control Sample	Total/NA	Water	9010C	
MB 180-116219/4-A	Method Blank	Total/NA	Water	9010C	

General Chemistry (Continued)

Analysis Batch: 116257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-1	SSHS-B72-SS	Total/NA	Solid	9014	116102
180-35858-2	SSHS-B72-0.17-2 (1)	Total/NA	Solid	9014	116102
180-35858-4	SSHS-B72-6-10 (8)	Total/NA	Solid	9014	116102
180-35858-4 MS	SSHS-B72-6-10 (8)	Total/NA	Solid	9014	116102
180-35858-4 MSD	SSHS-B72-6-10 (8)	Total/NA	Solid	9014	116102
180-35858-29	20140815-EQUIPMENT BLANK-SOIL	Total/NA	Water	9014	116219
HLCS 180-116102/2-A	Lab Control Sample	Total/NA	Solid	9014	116102
HLCS 180-116219/2-A	Lab Control Sample	Total/NA	Water	9014	116219
LCS 180-116102/3-A	Lab Control Sample	Total/NA	Solid	9014	116102
LCS 180-116219/3-A	Lab Control Sample	Total/NA	Water	9014	116219
LLCS 180-116102/1-A	Lab Control Sample	Total/NA	Solid	9014	116102
LLCS 180-116219/1-A	Lab Control Sample	Total/NA	Water	9014	116219
MB 180-116102/4-A	Method Blank	Total/NA	Solid	9014	116102
MB 180-116219/4-A	Method Blank	Total/NA	Water	9014	116219

Prep Batch: 116348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-3	SSHS-B72-3-5 (4)	Total/NA	Solid	9010C	
180-35858-3 MS	SSHS-B72-3-5 (4)	Total/NA	Solid	9010C	
180-35858-5	SSHS-B72-11.5-13.5 (12.5)	Total/NA	Solid	9010C	
180-35858-8	SSHS-B100-0.17-2 (1.5)	Total/NA	Solid	9010C	
180-35858-9	SSHS-B100-4-6 (5.5)	Total/NA	Solid	9010C	
180-35858-10	SSHS-B100-6-10 (8)	Total/NA	Solid	9010C	
180-35858-11	SSHS-B100-10-13.5 (12)	Total/NA	Solid	9010C	
180-35858-13	SSHS-B43-A-SS	Total/NA	Solid	9010C	
180-35858-14	SSHS-B43-A-0.17-2 (1.5)	Total/NA	Solid	9010C	
180-35858-15	SSHS-B43-A-2-6 (4)	Total/NA	Solid	9010C	
180-35858-15 MS	SSHS-B43-A-2-6 (4)	Total/NA	Solid	9010C	
180-35858-15 MSD	SSHS-B43-A-2-6 (4)	Total/NA	Solid	9010C	
180-35858-16	SSHS-B43-A-7-9 (8)	Total/NA	Solid	9010C	
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)	Total/NA	Solid	9010C	
180-35858-19	SSHS-B71-0.17-2 (1.5)	Total/NA	Solid	9010C	
180-35858-20	SSHS-B71-2.5-4.5 (3.5)	Total/NA	Solid	9010C	
180-35858-21	SSHS-B71-6-9.5R (8)	Total/NA	Solid	9010C	
180-35858-22	SSHS-B42-A-SS	Total/NA	Solid	9010C	
180-35858-23	SSHS-B42-A-0.17-2 (1)	Total/NA	Solid	9010C	
180-35858-24	SSHS-B42-A-3-5 (4)	Total/NA	Solid	9010C	
180-35858-25	SSHS-B42-A-7-9 (8)	Total/NA	Solid	9010C	
HLCS 180-116348/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-116348/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-116348/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-116348/4-A	Method Blank	Total/NA	Solid	9010C	

Prep Batch: 116351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-26	SSHS-B42-A-11-13 (12)	Total/NA	Solid	9010C	
180-35858-26 MS	SSHS-B42-A-11-13 (12)	Total/NA	Solid	9010C	
180-35858-26 MSD	SSHS-B42-A-11-13 (12)	Total/NA	Solid	9010C	
180-35858-27	DUP-20	Total/NA	Solid	9010C	
180-35858-28	DUP-21	Total/NA	Solid	9010C	
HLCS 180-116351/2-A	Lab Control Sample	Total/NA	Solid	9010C	

General Chemistry (Continued)

Prep Batch: 116351 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-116351/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-116351/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-116351/4-A	Method Blank	Total/NA	Solid	9010C	

Analysis Batch: 116408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-35858-3	SSHS-B72-3-5 (4)	Total/NA	Solid	9014	116348
180-35858-3 MS	SSHS-B72-3-5 (4)	Total/NA	Solid	9014	116348
180-35858-5	SSHS-B72-11.5-13.5 (12.5)	Total/NA	Solid	9014	116348
180-35858-8	SSHS-B100-0.17-2 (1.5)	Total/NA	Solid	9014	116348
180-35858-9	SSHS-B100-4-6 (5.5)	Total/NA	Solid	9014	116348
180-35858-10	SSHS-B100-6-10 (8)	Total/NA	Solid	9014	116348
180-35858-11	SSHS-B100-10-13.5 (12)	Total/NA	Solid	9014	116348
180-35858-13	SSHS-B43-A-SS	Total/NA	Solid	9014	116348
180-35858-14	SSHS-B43-A-0.17-2 (1.5)	Total/NA	Solid	9014	116348
180-35858-15	SSHS-B43-A-2-6 (4)	Total/NA	Solid	9014	116348
180-35858-15 MS	SSHS-B43-A-2-6 (4)	Total/NA	Solid	9014	116348
180-35858-15 MSD	SSHS-B43-A-2-6 (4)	Total/NA	Solid	9014	116348
180-35858-16	SSHS-B43-A-7-9 (8)	Total/NA	Solid	9014	116348
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)	Total/NA	Solid	9014	116348
180-35858-19	SSHS-B71-0.17-2 (1.5)	Total/NA	Solid	9014	116348
180-35858-20	SSHS-B71-2.5-4.5 (3.5)	Total/NA	Solid	9014	116348
180-35858-21	SSHS-B71-6-9.5R (8)	Total/NA	Solid	9014	116348
180-35858-22	SSHS-B42-A-SS	Total/NA	Solid	9014	116348
180-35858-23	SSHS-B42-A-0.17-2 (1)	Total/NA	Solid	9014	116348
180-35858-24	SSHS-B42-A-3-5 (4)	Total/NA	Solid	9014	116348
180-35858-25	SSHS-B42-A-7-9 (8)	Total/NA	Solid	9014	116348
180-35858-26	SSHS-B42-A-11-13 (12)	Total/NA	Solid	9014	116351
180-35858-26 MS	SSHS-B42-A-11-13 (12)	Total/NA	Solid	9014	116351
180-35858-26 MSD	SSHS-B42-A-11-13 (12)	Total/NA	Solid	9014	116351
180-35858-27	DUP-20	Total/NA	Solid	9014	116351
180-35858-28	DUP-21	Total/NA	Solid	9014	116351
HLCS 180-116348/2-A	Lab Control Sample	Total/NA	Solid	9014	116348
HLCS 180-116351/2-A	Lab Control Sample	Total/NA	Solid	9014	116351
LCS 180-116348/3-A	Lab Control Sample	Total/NA	Solid	9014	116348
LCS 180-116351/3-A	Lab Control Sample	Total/NA	Solid	9014	116351
LLCS 180-116348/1-A	Lab Control Sample	Total/NA	Solid	9014	116348
LLCS 180-116351/1-A	Lab Control Sample	Total/NA	Solid	9014	116351
MB 180-116348/4-A	Method Blank	Total/NA	Solid	9014	116348
MB 180-116351/4-A	Method Blank	Total/NA	Solid	9014	116351

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s): FedEx 8015 5707 4665	COC No: 180-18661-4775.8.
Client Contact: Adam Gray	Phone: 301-879-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 8 of 9
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B Metals	Cyanide	8260B-VOCs LL+TICs	8270D-SVOCs LL+TICs	8082A/8081 PCB/Pest	Total Number of containers	Special Instructions/Note: 2 coolers Custody Seals 133548-49
			Preservation Code:										
SSHS-B72-SS	8/15/14	0730	C/G	S	N	N	X	X	X	X	X		
SSHS-B72-0.17-2(1)	8/15/14	0745	C/G	S			X	X	X	X	X		
SSHS-B72-3-5(4)	8/15/14	0800	C/G	S			X	X	X	X	X		
SSHS-B72-6-10(8)	8/15/14	0820	C/G	S		Y	X	X	X	X	X		
SSHS-B72-6-10(8) MS/MSD	8/15/14	0820	C/G	S		Y	X	X	X	X	X		
SSHS-B72-11.5-13.5(12.5)	8/15/14	0835	C/G	S		N	X	X	X	X	X		
SSHS-B100-0.17-2(1.5)	8/15/14	1210	C/G	S			X	X	X	X	X		
SSHS-B100-4-6(5.5)	8/15/14	1225	C/G	S			X	X	X	X	X		
SSHS-B100-6-10(8)	8/15/14	1235	C/G	S			X	X	X	X	X		
SSHS-B100-10-13.5(12)	8/15/14	1255	C/G	S			X	X	X	X	X		
SSHS-B43-A-SS	8/15/14	1055	C/G	S			X	X	X	X	X		

180-35858 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 8/15/14 1845	Company: Geosyntec	Received by:	Date/Time: 8/16/14 0900	Company: TA Pitt
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 2 of 4
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:

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

Other:

2 Coolers

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B Metals	Cyanide	8260B-VOCs LL + TICs	8270D-SVOCs LL + TICs	8082A/8081 PCB/PEST	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SSHS-B43-A-0.17-2(1.5)	8/15/14	1100	C/G	S	N	N	X	X	X	X	X		
SSHS-B43-A-2-6(4)	8/15/14	1110	C/G	S		Y	X	X	X	X	X		
SSHS-B43-A-2-6(4) MS/MS	[illegible]	1110	C/G	S		Y	X	X	X	X	X		
SSHS-B43-A-7-9(8)	8/15/14 8/15/14	1135	C/G	S		N	X	X	X	X	X		
SSHS-B43-A-11.5-13.5(12.5)	8/15/14	1140	C/G	S			X	X	X	X	X		
SSHS-B71-0.17-2(1.5)	8/15/14	0850	C/G	S			X	X	X	X	X		
SSHS-B71-2.5-4.5(3.5)	8/15/14	0910	C/G	S			X	X	X	X	X		
SSHS-B71-6-9.5R(8)	8/15/14	0925	C/G	S			X	X	X	X	X		
SSHS-B42-A-SS	8/15/14	1000	C/G	S			X	X	X	X	X		
SSHS-B42-A-0.17-2(1)	8/15/14	1008	C/G	S			X	X	X	X	X		
SSHS-B42-A-3-5(4)	8/15/14	1015	C/G	S			X	X	X	X	X		

Possible Hazard Identification

☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:
Relinquished by:	Date/Time: 8/15/14 1845	Company: Geosyntec	Received by:	Date/Time: 8/16/14 0900	Company: TA Balt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: △ Yes △ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 3 of 4
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10220 Old Columbia Road Suite A	Due Date Requested:			
City: Columbia	TAT Requested (days): Normal			
State, Zip: MD, 21046				
Phone:	PO #: MN0832			
Email: agray@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site - North	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA

M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C 7471B Metals	Cyanide	8260B-VOCs TCL+TICs	8270D-SVOCs TCL+TICs	8082A/8081 PCB/PEST	Total Number of containers	Special Instructions/Note:
			Preservation Code:		☒	☒						☒	2 coolers
SSHS-B42-A-7-9(8)	8/15/14	1025	C/G	S			X	X	X	X	X		
SSHS-B42-A-11-13(12)	8/15/14	1035	C/G	S			X	X	X	X	X		
DUP-20	8/15/14	–	C/G	S			X	X	X	X	X		
DUP-21	8/15/14	–	C/G	S			X	X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by:	Date/Time: 8/15/14 1845	Company: Geosyntec	Received by:	Date/Time: 8/16/14 0900	Company: TA BAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Adam Gray	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-18661-4775.8.
Client Contact: Adam Gray	Phone: 301-379-0933	E-Mail: dave.dunlap@testamericainc.com		Page: Page 3 of 4
Company: Geosyntec Consultants, Inc.		**Analysis Requested**		Job #:

Address: 10220 Old Columbia Road Suite A
City: Columbia
State, Zip: MD, 21046
Phone:
Email: agray@geosyntec.com
Project Name: Former Sperry Remington Site - North
Site:

Due Date Requested:
TAT Requested (days): Normal
PO #: MN0832
WO #:
Project #: 18013464
SSOW#:

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C/7471B - Metals	Cyanide	8260C - VOCs LL + TICs	8270D - SVOCs LL + TICs	8082A/8081 - PCB/PEST									Total Number of containers	2 coolers Special Instructions/Note:
	☒	☒	Preservation Code:		☒	☒														☒	
20140815 EQUIPMENT BLANK SOIL	8/15/14	1300	G	W	N	N	X	X	X	X	X										

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ________ *Months*

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by:	Date/Time: 8/15/14 1845	Company: Geosyntec	Received by:	Date/Time: 8/16/14 0900	Company: TA Pitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-35858-1

Login Number: 35858

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Neri, Tom

Question	**Answer**	**Comment**
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

TestAmerica Job ID: 180-36053-1
Client Project/Site: Former Sperry Remington Site - North

For:
Geosyntec Consultants, Inc.
10220 Old Columbia Road
Suite A
Columbia, Maryland 21046

Attn: Mr. Aron Krasnopoler

Authorized for release by:
9/11/2014 12:44:26 PM

David Dunlap, Senior Project Manager
(412)963-2432
dave.dunlap@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Job ID: 180-36053-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-36053-1

Receipt

The samples were received on 8/23/2014 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 1.6º C, 4.0º C, 4.3º C and 4.7º C.

GC/MS VOA

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-8 (180-36053-1) and MW-30 (180-36053-4). Elevated reporting limits (RLs) are provided.

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

GC VOA

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

GC Semi VOA

Method(s) 8015D: Surrogate recovery for the following sample was below the control limits: MW-30 (180-36053-4). The sample was re-extracted two days past the seven day holding time and re-analyzed. Both sets of data were reported.

Method 8082A: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-41 (180-36053-11). Elevated reporting limits (RLs) are provided.

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

Definitions/Glossary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-36053-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery exceeds the control limits

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Geosyntec Consultants, Inc.
TestAmerica Job ID: 180-36053-1
Project/Site: Former Sperry Remington Site - North

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-15
California	State Program	9	2891	03-31-15
Connecticut	State Program	1	PH-0688	09-30-14 *
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	01-31-15
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-15
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-15
North Carolina (WW/SW)	State Program	4	434	12-31-14
Pennsylvania	NELAP	3	02-00416	04-30-15
South Carolina	State Program	4	89014	04-30-15
Texas	NELAP	6	T104704528	03-31-15
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P330-10-00139	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-14 *
West Virginia DEP	State Program	3	142	01-31-15
Wisconsin	State Program	5	998027800	08-31-14 *

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-14 *
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-14 *

* Certification renewal pending - certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-36053-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-36053-1	MW-8	Water	08/20/14 10:45	08/23/14 10:00
180-36053-2	MW-13	Water	08/20/14 13:45	08/23/14 10:00
180-36053-3	DUP-1	Water	08/20/14 00:00	08/23/14 10:00
180-36053-4	MW-30	Water	08/21/14 12:30	08/23/14 10:00
180-36053-5	MW-10	Water	08/21/14 14:30	08/23/14 10:00
180-36053-6	EB-1	Water	08/20/14 15:20	08/23/14 10:00
180-36053-7	MW-38	Water	08/21/14 17:45	08/23/14 10:00
180-36053-8	EB-2	Water	08/21/14 18:25	08/23/14 10:00
180-36053-9	MW-34	Water	08/22/14 11:45	08/23/14 10:00
180-36053-10	DUP-2	Water	08/22/14 00:00	08/23/14 10:00
180-36053-11	MW-41	Water	08/22/14 13:40	08/23/14 10:00
180-36053-12	TB-1	Water	08/22/14 00:00	08/23/14 10:00

Method Summary

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds (GC/MS)	SW846	TAL PIT
8015D	Gasoline Range Organics (GRO) (GC)	SW846	TAL CAN
8015D	Diesel Range Organics (DRO) (GC)	SW846	TAL CAN
8082A	Polychlorinated Biphenyls (PCBs) (GC)	SW846	TAL PIT

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-36053-1

Client Sample ID: MW-8

Lab Sample ID: 180-36053-1

Date Collected: 08/20/14 10:45
Date Received: 08/23/14 10:00
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	RA	1	5 mL	5 mL	116303	08/28/14 11:26	DLF	TAL PIT
	Instrument ID:	CHHP6								
Total/NA	Analysis	8260C		5	5 mL	5 mL	116303	08/28/14 12:13	DLF	TAL PIT
	Instrument ID:	CHHP6								
Total/NA	Analysis	8015D		1	5 mL	5 mL	144784	08/28/14 14:04	KMG	TAL CAN
	Instrument ID:	AFID								
Total/NA	Prep	3520C			900 mL	5 mL	144632	08/27/14 09:46	KEC	TAL CAN
Total/NA	Analysis	8015D		1	900 mL	5 mL	144806	08/28/14 18:50	DEB	TAL CAN
	Instrument ID:	A2HP5F								

Client Sample ID: MW-13

Lab Sample ID: 180-36053-2

Date Collected: 08/20/14 13:45
Date Received: 08/23/14 10:00
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	116303	08/28/14 15:51	DLF	TAL PIT
	Instrument ID:	CHHP6								
Total/NA	Analysis	8015D		1	5 mL	5 mL	144784	08/28/14 15:54	KMG	TAL CAN
	Instrument ID:	AFID								
Total/NA	Prep	3520C			920 mL	5 mL	144632	08/27/14 09:46	KEC	TAL CAN
Total/NA	Analysis	8015D		1	920 mL	5 mL	144806	08/28/14 20:22	DEB	TAL CAN
	Instrument ID:	A2HP5F								

Client Sample ID: DUP-1

Lab Sample ID: 180-36053-3

Date Collected: 08/20/14 00:00
Date Received: 08/23/14 10:00
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	116303	08/28/14 16:14	DLF	TAL PIT
	Instrument ID:	CHHP6								
Total/NA	Analysis	8015D		1	5 mL	5 mL	144784	08/28/14 16:31	KMG	TAL CAN
	Instrument ID:	AFID								
Total/NA	Prep	3520C			950 mL	5 mL	144632	08/27/14 09:46	KEC	TAL CAN
Total/NA	Analysis	8015D		1	950 mL	5 mL	144806	08/28/14 20:53	DEB	TAL CAN
	Instrument ID:	A2HP5F								

Client Sample ID: MW-30

Lab Sample ID: 180-36053-4

Date Collected: 08/21/14 12:30
Date Received: 08/23/14 10:00
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	DL	12.5	5 mL	5 mL	116723	09/02/14 16:50	MAL	TAL PIT
	Instrument ID:	CHHP5								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-36053-1

Client Sample ID: MW-30

Lab Sample ID: 180-36053-4

Date Collected: 08/21/14 12:30
Date Received: 08/23/14 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	5 mL	5 mL	116303	08/28/14 16:38	DLF	TAL PIT
	Instrument ID:	CHHP6								
Total/NA	Analysis	8015D		1	5 mL	5 mL	144784	08/28/14 17:45	KMG	TAL CAN
	Instrument ID:	AFID								
Total/NA	Prep	3520C			920 mL	5 mL	144632	08/27/14 09:46	KEC	TAL CAN
Total/NA	Analysis	8015D		1	920 mL	5 mL	144806	08/28/14 21:23	DEB	TAL CAN
	Instrument ID:	A2HP5F								
Total/NA	Prep	3520C	RE		410 mL	5 mL	145081	08/30/14 09:38	JDS	TAL CAN
Total/NA	Analysis	8015D	RE	1	410 mL	5 mL	145338	09/02/14 20:30	DEB	TAL CAN
	Instrument ID:	A2HP5F								

Client Sample ID: MW-10

Lab Sample ID: 180-36053-5

Date Collected: 08/21/14 14:30
Date Received: 08/23/14 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1000 mL	1.0 mL	116110	08/26/14 12:45	CBY	TAL PIT
Total/NA	Analysis	8082A		1	1000 mL	1.0 mL	116403	08/29/14 04:43	AKG	TAL PIT
	Instrument ID:	CHGC10								
Total/NA	Prep	3510C			1000 mL	1.0 mL	116110	08/26/14 12:45	CBY	TAL PIT
Total/NA	Analysis	8082A		1	1000 mL	1.0 mL	116401	08/29/14 05:15	AKG	TAL PIT
	Instrument ID:	CHGC10_R								

Client Sample ID: EB-1

Lab Sample ID: 180-36053-6

Date Collected: 08/20/14 15:20
Date Received: 08/23/14 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	116303	08/28/14 17:02	DLF	TAL PIT
	Instrument ID:	CHHP6								
Total/NA	Analysis	8015D		1	5 mL	5 mL	144784	08/28/14 17:08	KMG	TAL CAN
	Instrument ID:	AFID								
Total/NA	Prep	3520C			990 mL	5 mL	144632	08/27/14 09:46	KEC	TAL CAN
Total/NA	Analysis	8015D		1	990 mL	5 mL	144806	08/28/14 21:53	DEB	TAL CAN
	Instrument ID:	A2HP5F								

Client Sample ID: MW-38

Lab Sample ID: 180-36053-7

Date Collected: 08/21/14 17:45
Date Received: 08/23/14 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1000 mL	1.0 mL	116110	08/26/14 12:45	CBY	TAL PIT

## Client Sample ID: MW-38	Lab Sample ID: 180-36053-7

Date Collected: 08/21/14 17:45	**Matrix: Water**
Date Received: 08/23/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	1000 mL	1.0 mL	116403	08/29/14 06:17	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3510C			1000 mL	1.0 mL	116110	08/26/14 12:45	CBY	TAL PIT
Total/NA	Analysis	8082A		1	1000 mL	1.0 mL	116401	08/29/14 06:49	AKG	TAL PIT
	Instrument ID: CHGC10_R									

## Client Sample ID: EB-2	Lab Sample ID: 180-36053-8

Date Collected: 08/21/14 18:25	**Matrix: Water**
Date Received: 08/23/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			990 mL	1.0 mL	116110	08/26/14 12:45	CBY	TAL PIT
Total/NA	Analysis	8082A		1	990 mL	1.0 mL	116403	08/29/14 06:49	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3510C			990 mL	1.0 mL	116110	08/26/14 12:45	CBY	TAL PIT
Total/NA	Analysis	8082A		1	990 mL	1.0 mL	116401	08/29/14 07:20	AKG	TAL PIT
	Instrument ID: CHGC10_R									

## Client Sample ID: MW-34	Lab Sample ID: 180-36053-9

Date Collected: 08/22/14 11:45	**Matrix: Water**
Date Received: 08/23/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			990 mL	1.0 mL	116110	08/26/14 12:45	CBY	TAL PIT
Total/NA	Analysis	8082A		5	990 mL	1.0 mL	116403	08/29/14 07:20	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3510C			990 mL	1.0 mL	116110	08/26/14 12:45	CBY	TAL PIT
Total/NA	Analysis	8082A		5	990 mL	1.0 mL	116401	08/29/14 07:52	AKG	TAL PIT
	Instrument ID: CHGC10_R									

## Client Sample ID: DUP-2	Lab Sample ID: 180-36053-10

Date Collected: 08/22/14 00:00	**Matrix: Water**
Date Received: 08/23/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			990 mL	1.0 mL	116110	08/26/14 12:45	CBY	TAL PIT
Total/NA	Analysis	8082A		5	990 mL	1.0 mL	116403	08/29/14 07:52	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3510C			990 mL	1.0 mL	116110	08/26/14 12:45	CBY	TAL PIT
Total/NA	Analysis	8082A		5	990 mL	1.0 mL	116401	08/29/14 08:23	AKG	TAL PIT
	Instrument ID: CHGC10_R									

Client Sample ID: MW-41

Lab Sample ID: 180-36053-11

Date Collected: 08/22/14 13:40

Matrix: Water

Date Received: 08/23/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1000 mL	1.0 mL	116110	08/26/14 12:45	CBY	TAL PIT
Total/NA	Analysis	8082A		50	1000 mL	1.0 mL	116403	08/29/14 08:23	AKG	TAL PIT
	Instrument ID: CHGC10									
Total/NA	Prep	3510C			1000 mL	1.0 mL	116110	08/26/14 12:45	CBY	TAL PIT
Total/NA	Analysis	8082A		50	1000 mL	1.0 mL	116401	08/29/14 08:55	AKG	TAL PIT
	Instrument ID: CHGC10_R									

Client Sample ID: TB-1

Lab Sample ID: 180-36053-12

Date Collected: 08/22/14 00:00

Matrix: Water

Date Received: 08/23/14 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	116303	08/28/14 11:50	DLF	TAL PIT
	Instrument ID: CHHP6									

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL CAN

Batch Type: Prep

JDS = Jalen Smallwood

KEC = Kieth Click

Batch Type: Analysis

DEB = Deborah Bolgrin

KMG = Katie Grant

Lab: TAL PIT

Batch Type: Prep

CBY = Charles Yushinski

Batch Type: Analysis

AKG = Ashok Gupta

DLF = Donald Ferguson

MAL = Michael Lonzo

Client Sample ID: MW-8
Lab Sample ID: 180-36053-1
Date Collected: 08/20/14 10:45
Matrix: Water
Date Received: 08/23/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	13	ug/L			08/28/14 12:13	5
Benzene	ND		5.0	0.53	ug/L			08/28/14 12:13	5
Bromoform	ND		5.0	0.96	ug/L			08/28/14 12:13	5
Bromomethane	ND		5.0	1.6	ug/L			08/28/14 12:13	5
2-Butanone (MEK)	ND		25	2.7	ug/L			08/28/14 12:13	5
Carbon disulfide	ND		5.0	1.1	ug/L			08/28/14 12:13	5
Carbon tetrachloride	ND		5.0	0.68	ug/L			08/28/14 12:13	5
Chlorobenzene	ND		5.0	0.68	ug/L			08/28/14 12:13	5
Chlorobromomethane	ND		5.0	0.90	ug/L			08/28/14 12:13	5
Chlorodibromomethane	ND		5.0	0.68	ug/L			08/28/14 12:13	5
Chloroethane	ND		5.0	1.1	ug/L			08/28/14 12:13	5
Chloroform	ND		5.0	0.85	ug/L			08/28/14 12:13	5
Chloromethane	ND		5.0	1.4	ug/L			08/28/14 12:13	5
cis-1,2-Dichloroethene	**77**		5.0	1.2	ug/L			08/28/14 12:13	5
cis-1,3-Dichloropropene	ND		5.0	0.93	ug/L			08/28/14 12:13	5
Cyclohexane	ND		5.0	1.3	ug/L			08/28/14 12:13	5
1,2-Dibromo-3-Chloropropane	ND		5.0	0.70	ug/L			08/28/14 12:13	5
1,2-Dibromoethane	ND		5.0	0.90	ug/L			08/28/14 12:13	5
1,2-Dichlorobenzene	ND		5.0	0.76	ug/L			08/28/14 12:13	5
1,3-Dichlorobenzene	ND		5.0	0.53	ug/L			08/28/14 12:13	5
1,4-Dichlorobenzene	ND		5.0	1.0	ug/L			08/28/14 12:13	5
Dichlorobromomethane	ND		5.0	0.65	ug/L			08/28/14 12:13	5
Dichlorodifluoromethane	ND		5.0	0.96	ug/L			08/28/14 12:13	5
1,1-Dichloroethane	ND		5.0	0.58	ug/L			08/28/14 12:13	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			08/28/14 12:13	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			08/28/14 12:13	5
1,2-Dichloropropane	ND		5.0	0.47	ug/L			08/28/14 12:13	5
1,4-Dioxane	ND		1000	170	ug/L			08/28/14 12:13	5
Ethylbenzene	ND		5.0	1.1	ug/L			08/28/14 12:13	5
2-Hexanone	ND		25	0.80	ug/L			08/28/14 12:13	5
Isopropylbenzene	ND		5.0	0.82	ug/L			08/28/14 12:13	5
Methyl acetate	ND		5.0	0.69	ug/L			08/28/14 12:13	5
Methylcyclohexane	ND		5.0	1.3	ug/L			08/28/14 12:13	5
Methylene Chloride	**1.0**	**J**	5.0	0.63	ug/L			08/28/14 12:13	5
4-Methyl-2-pentanone (MIBK)	ND		25	2.6	ug/L			08/28/14 12:13	5
Methyl tert-butyl ether	ND		5.0	0.92	ug/L			08/28/14 12:13	5
m-Xylene & p-Xylene	ND		10	2.0	ug/L			08/28/14 12:13	5
o-Xylene	ND		5.0	0.55	ug/L			08/28/14 12:13	5
Styrene	ND		5.0	0.48	ug/L			08/28/14 12:13	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.0	ug/L			08/28/14 12:13	5
Tetrachloroethene	**1.2**	**J**	5.0	0.74	ug/L			08/28/14 12:13	5
Toluene	ND		5.0	0.75	ug/L			08/28/14 12:13	5
trans-1,2-Dichloroethene	ND		5.0	0.85	ug/L			08/28/14 12:13	5
trans-1,3-Dichloropropene	ND		5.0	0.74	ug/L			08/28/14 12:13	5
1,2,3-Trichlorobenzene	ND		5.0	0.77	ug/L			08/28/14 12:13	5
1,2,4-Trichlorobenzene	ND		5.0	1.4	ug/L			08/28/14 12:13	5
1,1,1-Trichloroethane	ND		5.0	1.4	ug/L			08/28/14 12:13	5
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			08/28/14 12:13	5
Trichloroethene	ND		5.0	0.72	ug/L			08/28/14 12:13	5

Client Sample ID: MW-8
Lab Sample ID: 180-36053-1
Date Collected: 08/20/14 10:45
Matrix: Water
Date Received: 08/23/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		5.0	0.99	ug/L			08/28/14 12:13	5
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.7**	**J**	5.0	1.6	ug/L			08/28/14 12:13	5
Vinyl chloride	**1.2**	**J**	5.0	1.1	ug/L			08/28/14 12:13	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/28/14 12:13*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 118*		*08/28/14 12:13*	*5*
Dibromofluoromethane (Surr)	*98*		*70 - 128*		*08/28/14 12:13*	*5*
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 135*		*08/28/14 12:13*	*5*
Toluene-d8 (Surr)	*108*		*71 - 118*		*08/28/14 12:13*	*5*

Method: 8260C - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/28/14 11:26	1
Benzene	ND		1.0	0.11	ug/L			08/28/14 11:26	1
Bromoform	ND		1.0	0.19	ug/L			08/28/14 11:26	1
Bromomethane	ND		1.0	0.31	ug/L			08/28/14 11:26	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/28/14 11:26	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/28/14 11:26	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/28/14 11:26	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/28/14 11:26	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/28/14 11:26	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/28/14 11:26	1
Chloroethane	ND		1.0	0.21	ug/L			08/28/14 11:26	1
Chloroform	ND		1.0	0.17	ug/L			08/28/14 11:26	1
Chloromethane	ND		1.0	0.28	ug/L			08/28/14 11:26	1
cis-1,2-Dichloroethene	**81**	**E**	1.0	0.24	ug/L			08/28/14 11:26	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/28/14 11:26	1
Cyclohexane	ND		1.0	0.25	ug/L			08/28/14 11:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/28/14 11:26	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/28/14 11:26	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/28/14 11:26	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/28/14 11:26	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/28/14 11:26	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/28/14 11:26	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/28/14 11:26	1
1,1-Dichloroethane	**0.33**	**J**	1.0	0.12	ug/L			08/28/14 11:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/28/14 11:26	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/28/14 11:26	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/28/14 11:26	1
1,4-Dioxane	ND		200	34	ug/L			08/28/14 11:26	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/28/14 11:26	1
2-Hexanone	ND		5.0	0.16	ug/L			08/28/14 11:26	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/28/14 11:26	1
Methyl acetate	ND		1.0	0.14	ug/L			08/28/14 11:26	1
Methylcyclohexane	**0.94**	**J**	1.0	0.26	ug/L			08/28/14 11:26	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/28/14 11:26	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-36053-1

Client Sample ID: MW-8
Date Collected: 08/20/14 10:45
Date Received: 08/23/14 10:00

Lab Sample ID: 180-36053-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/28/14 11:26	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/28/14 11:26	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/28/14 11:26	1
o-Xylene	ND		1.0	0.11	ug/L			08/28/14 11:26	1
Styrene	ND		1.0	0.097	ug/L			08/28/14 11:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/28/14 11:26	1
Tetrachloroethene	**1.3**		1.0	0.15	ug/L			08/28/14 11:26	1
Toluene	ND		1.0	0.15	ug/L			08/28/14 11:26	1
trans-1,2-Dichloroethene	**0.51**	**J**	1.0	0.17	ug/L			08/28/14 11:26	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/28/14 11:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/28/14 11:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/28/14 11:26	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/28/14 11:26	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/28/14 11:26	1
Trichloroethene	**0.57**	**J**	1.0	0.14	ug/L			08/28/14 11:26	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/28/14 11:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.8**		1.0	0.32	ug/L			08/28/14 11:26	1
Vinyl chloride	**1.6**		1.0	0.23	ug/L			08/28/14 11:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*17*	*T J*	*ug/L*		*1.51*			*08/28/14 11:26*	*1*
Ethane, 1,2-dichloro-1,1,2-trifluoro-	*2.2*	*T J N*	*ug/L*		*3.15*	*354-23-4*		*08/28/14 11:26*	*1*
Unknown Substituted Benzene	*1.4*	*T J*	*ug/L*		*14.67*			*08/28/14 11:26*	*1*
Unknown Substituted Benzene	*2.8*	*T J*	*ug/L*		*14.77*			*08/28/14 11:26*	*1*
Unknown Hydrocarbon	*1.7*	*T J*	*ug/L*		*15.13*			*08/28/14 11:26*	*1*
Unknown Substituted Benzene	*1.5*	*T J*	*ug/L*		*15.53*			*08/28/14 11:26*	*1*
Unknown Substituted Benzene	*1.7*	*T J*	*ug/L*		*15.89*			*08/28/14 11:26*	*1*
Unknown Substituted Naphthalene	*1.8*	*T J*	*ug/L*		*16.07*			*08/28/14 11:26*	*1*
Unknown Substituted Benzene	*1.5*	*T J*	*ug/L*		*16.12*			*08/28/14 11:26*	*1*
Unknown Hydrocarbon	*1.7*	*T J*	*ug/L*		*16.26*			*08/28/14 11:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 118*		*08/28/14 11:26*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 128*		*08/28/14 11:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 135*		*08/28/14 11:26*	*1*
Toluene-d8 (Surr)	*103*		*71 - 118*		*08/28/14 11:26*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**35**	**J**	100	25	ug/L			08/28/14 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*85*		*40 - 133*		*08/28/14 14:04*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	**1200**		560	120	ug/L		08/27/14 09:46	08/28/14 18:50	1

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

Client Sample ID: MW-8
Lab Sample ID: 180-36053-1
Date Collected: 08/20/14 10:45
Matrix: Water
Date Received: 08/23/14 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*59*		*40 - 160*	*08/27/14 09:46*	*08/28/14 18:50*	*1*

Client Sample ID: MW-13
Lab Sample ID: 180-36053-2
Date Collected: 08/20/14 13:45
Matrix: Water
Date Received: 08/23/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/28/14 15:51	1
Benzene	ND		1.0	0.11	ug/L			08/28/14 15:51	1
Bromoform	ND		1.0	0.19	ug/L			08/28/14 15:51	1
Bromomethane	ND		1.0	0.31	ug/L			08/28/14 15:51	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/28/14 15:51	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/28/14 15:51	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/28/14 15:51	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/28/14 15:51	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/28/14 15:51	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/28/14 15:51	1
Chloroethane	ND		1.0	0.21	ug/L			08/28/14 15:51	1
Chloroform	ND		1.0	0.17	ug/L			08/28/14 15:51	1
Chloromethane	ND		1.0	0.28	ug/L			08/28/14 15:51	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/28/14 15:51	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/28/14 15:51	1
Cyclohexane	ND		1.0	0.25	ug/L			08/28/14 15:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/28/14 15:51	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/28/14 15:51	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/28/14 15:51	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/28/14 15:51	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/28/14 15:51	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/28/14 15:51	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/28/14 15:51	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/28/14 15:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/28/14 15:51	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/28/14 15:51	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/28/14 15:51	1
1,4-Dioxane	ND		200	34	ug/L			08/28/14 15:51	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/28/14 15:51	1
2-Hexanone	ND		5.0	0.16	ug/L			08/28/14 15:51	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/28/14 15:51	1
Methyl acetate	ND		1.0	0.14	ug/L			08/28/14 15:51	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/28/14 15:51	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/28/14 15:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/28/14 15:51	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/28/14 15:51	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/28/14 15:51	1
o-Xylene	ND		1.0	0.11	ug/L			08/28/14 15:51	1
Styrene	ND		1.0	0.097	ug/L			08/28/14 15:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/28/14 15:51	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/28/14 15:51	1
Toluene	ND		1.0	0.15	ug/L			08/28/14 15:51	1

Client Sample Results

Client: Geosyntec Consultants, Inc. TestAmerica Job ID: 180-36053-1
Project/Site: Former Sperry Remington Site - North

Client Sample ID: MW-13 Lab Sample ID: 180-36053-2

Date Collected: 08/20/14 13:45 **Matrix: Water**
Date Received: 08/23/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/28/14 15:51	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/28/14 15:51	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/28/14 15:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/28/14 15:51	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/28/14 15:51	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/28/14 15:51	1
Trichloroethene	ND		1.0	0.14	ug/L			08/28/14 15:51	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/28/14 15:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/28/14 15:51	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/28/14 15:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Hydrocarbon	*1.2*	*T J*	*ug/L*		*16.26*			*08/28/14 15:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 118*		*08/28/14 15:51*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 128*		*08/28/14 15:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 135*		*08/28/14 15:51*	*1*
Toluene-d8 (Surr)	*106*		*71 - 118*		*08/28/14 15:51*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**27**	**J**	100	25	ug/L			08/28/14 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*86*		*40 - 133*		*08/28/14 15:54*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	**700**		540	110	ug/L		08/27/14 09:46	08/28/14 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*61*		*40 - 160*	*08/27/14 09:46*	*08/28/14 20:22*	*1*

Client Sample ID: DUP-1 Lab Sample ID: 180-36053-3

Date Collected: 08/20/14 00:00 **Matrix: Water**
Date Received: 08/23/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/28/14 16:14	1
Benzene	ND		1.0	0.11	ug/L			08/28/14 16:14	1
Bromoform	ND		1.0	0.19	ug/L			08/28/14 16:14	1
Bromomethane	ND		1.0	0.31	ug/L			08/28/14 16:14	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/28/14 16:14	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/28/14 16:14	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/28/14 16:14	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/28/14 16:14	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/28/14 16:14	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/28/14 16:14	1

Client Sample ID: DUP-1 **Lab Sample ID: 180-36053-3**
Date Collected: 08/20/14 00:00 **Matrix: Water**
Date Received: 08/23/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.0	0.21	ug/L			08/28/14 16:14	1
Chloroform	ND		1.0	0.17	ug/L			08/28/14 16:14	1
Chloromethane	ND		1.0	0.28	ug/L			08/28/14 16:14	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/28/14 16:14	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/28/14 16:14	1
Cyclohexane	ND		1.0	0.25	ug/L			08/28/14 16:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/28/14 16:14	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/28/14 16:14	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/28/14 16:14	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/28/14 16:14	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/28/14 16:14	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/28/14 16:14	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/28/14 16:14	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/28/14 16:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/28/14 16:14	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/28/14 16:14	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/28/14 16:14	1
1,4-Dioxane	ND		200	34	ug/L			08/28/14 16:14	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/28/14 16:14	1
2-Hexanone	ND		5.0	0.16	ug/L			08/28/14 16:14	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/28/14 16:14	1
Methyl acetate	ND		1.0	0.14	ug/L			08/28/14 16:14	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/28/14 16:14	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/28/14 16:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/28/14 16:14	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/28/14 16:14	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/28/14 16:14	1
o-Xylene	ND		1.0	0.11	ug/L			08/28/14 16:14	1
Styrene	ND		1.0	0.097	ug/L			08/28/14 16:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/28/14 16:14	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/28/14 16:14	1
Toluene	ND		1.0	0.15	ug/L			08/28/14 16:14	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/28/14 16:14	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/28/14 16:14	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/28/14 16:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/28/14 16:14	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/28/14 16:14	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/28/14 16:14	1
Trichloroethene	ND		1.0	0.14	ug/L			08/28/14 16:14	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/28/14 16:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/28/14 16:14	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/28/14 16:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Hydrocarbon	*1.2*	*T J*	*ug/L*		*16.26*			*08/28/14 16:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 118*		*08/28/14 16:14*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 128*		*08/28/14 16:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*64 - 135*		*08/28/14 16:14*	*1*

Client Sample Results

Client Sample ID: DUP-1

Lab Sample ID: 180-36053-3

Date Collected: 08/20/14 00:00

Matrix: Water

Date Received: 08/23/14 10:00

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*71 - 118*		*08/28/14 16:14*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**27**	**J**	100	25	ug/L			08/28/14 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*85*		*40 - 133*		*08/28/14 16:31*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	**970**		530	110	ug/L		08/27/14 09:46	08/28/14 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*73*		*40 - 160*	*08/27/14 09:46*	*08/28/14 20:53*	*1*

Client Sample ID: MW-30

Lab Sample ID: 180-36053-4

Date Collected: 08/21/14 12:30

Matrix: Water

Date Received: 08/23/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**14**	**J**	25	13	ug/L			08/28/14 16:38	5
Benzene	ND		5.0	0.53	ug/L			08/28/14 16:38	5
Bromoform	ND		5.0	0.96	ug/L			08/28/14 16:38	5
Bromomethane	ND		5.0	1.6	ug/L			08/28/14 16:38	5
2-Butanone (MEK)	ND		25	2.7	ug/L			08/28/14 16:38	5
Carbon disulfide	ND		5.0	1.1	ug/L			08/28/14 16:38	5
Carbon tetrachloride	ND		5.0	0.68	ug/L			08/28/14 16:38	5
Chlorobenzene	ND		5.0	0.68	ug/L			08/28/14 16:38	5
Chlorobromomethane	ND		5.0	0.90	ug/L			08/28/14 16:38	5
Chlorodibromomethane	ND		5.0	0.68	ug/L			08/28/14 16:38	5
Chloroethane	ND		5.0	1.1	ug/L			08/28/14 16:38	5
Chloroform	ND		5.0	0.85	ug/L			08/28/14 16:38	5
Chloromethane	ND		5.0	1.4	ug/L			08/28/14 16:38	5
cis-1,2-Dichloroethene	**240**	**E**	5.0	1.2	ug/L			08/28/14 16:38	5
cis-1,3-Dichloropropene	ND		5.0	0.93	ug/L			08/28/14 16:38	5
Cyclohexane	ND		5.0	1.3	ug/L			08/28/14 16:38	5
1,2-Dibromo-3-Chloropropane	ND		5.0	0.70	ug/L			08/28/14 16:38	5
1,2-Dibromoethane	ND		5.0	0.90	ug/L			08/28/14 16:38	5
1,2-Dichlorobenzene	ND		5.0	0.76	ug/L			08/28/14 16:38	5
1,3-Dichlorobenzene	ND		5.0	0.53	ug/L			08/28/14 16:38	5
1,4-Dichlorobenzene	ND		5.0	1.0	ug/L			08/28/14 16:38	5
Dichlorobromomethane	ND		5.0	0.65	ug/L			08/28/14 16:38	5
Dichlorodifluoromethane	ND		5.0	0.96	ug/L			08/28/14 16:38	5
1,1-Dichloroethane	ND		5.0	0.58	ug/L			08/28/14 16:38	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			08/28/14 16:38	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			08/28/14 16:38	5
1,2-Dichloropropane	ND		5.0	0.47	ug/L			08/28/14 16:38	5

Client Sample ID: MW-30
Date Collected: 08/21/14 12:30
Date Received: 08/23/14 10:00

Lab Sample ID: 180-36053-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1000	170	ug/L			08/28/14 16:38	5
Ethylbenzene	ND		5.0	1.1	ug/L			08/28/14 16:38	5
2-Hexanone	ND		25	0.80	ug/L			08/28/14 16:38	5
Isopropylbenzene	ND		5.0	0.82	ug/L			08/28/14 16:38	5
Methyl acetate	ND		5.0	0.69	ug/L			08/28/14 16:38	5
Methylcyclohexane	ND		5.0	1.3	ug/L			08/28/14 16:38	5
Methylene Chloride	**1.6**	**J**	5.0	0.63	ug/L			08/28/14 16:38	5
4-Methyl-2-pentanone (MIBK)	ND		25	2.6	ug/L			08/28/14 16:38	5
Methyl tert-butyl ether	ND		5.0	0.92	ug/L			08/28/14 16:38	5
m-Xylene & p-Xylene	ND		10	2.0	ug/L			08/28/14 16:38	5
o-Xylene	ND		5.0	0.55	ug/L			08/28/14 16:38	5
Styrene	ND		5.0	0.48	ug/L			08/28/14 16:38	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.0	ug/L			08/28/14 16:38	5
Tetrachloroethene	**24**		5.0	0.74	ug/L			08/28/14 16:38	5
Toluene	ND		5.0	0.75	ug/L			08/28/14 16:38	5
trans-1,2-Dichloroethene	**1.1**	**J**	5.0	0.85	ug/L			08/28/14 16:38	5
trans-1,3-Dichloropropene	ND		5.0	0.74	ug/L			08/28/14 16:38	5
1,2,3-Trichlorobenzene	ND		5.0	0.77	ug/L			08/28/14 16:38	5
1,2,4-Trichlorobenzene	ND		5.0	1.4	ug/L			08/28/14 16:38	5
1,1,1-Trichloroethane	ND		5.0	1.4	ug/L			08/28/14 16:38	5
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			08/28/14 16:38	5
Trichloroethene	**17**		5.0	0.72	ug/L			08/28/14 16:38	5
Trichlorofluoromethane	ND		5.0	0.99	ug/L			08/28/14 16:38	5
1,1,2-Trichloro-1,2,2-trifluoroethane	**180**		5.0	1.6	ug/L			08/28/14 16:38	5
Vinyl chloride	ND		5.0	1.1	ug/L			08/28/14 16:38	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethene, chlorotrifluoro-	*82*	*T J N*	*ug/L*		*1.51*	*79-38-9*		*08/28/14 16:38*	*5*
Ethane, 1,2-dichloro-1,1,2-trifluoro-	*67*	*T J N*	*ug/L*		*3.15*	*354-23-4*		*08/28/14 16:38*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 118*		*08/28/14 16:38*	*5*
Dibromofluoromethane (Surr)	*96*		*70 - 128*		*08/28/14 16:38*	*5*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 135*		*08/28/14 16:38*	*5*
Toluene-d8 (Surr)	*105*		*71 - 118*		*08/28/14 16:38*	*5*

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		63	31	ug/L			09/02/14 16:50	12.5
Benzene	ND		13	1.3	ug/L			09/02/14 16:50	12.5
Bromoform	ND		13	2.4	ug/L			09/02/14 16:50	12.5
Bromomethane	ND		13	3.9	ug/L			09/02/14 16:50	12.5
2-Butanone (MEK)	ND		63	6.8	ug/L			09/02/14 16:50	12.5
Carbon disulfide	ND		13	2.7	ug/L			09/02/14 16:50	12.5
Carbon tetrachloride	ND		13	1.7	ug/L			09/02/14 16:50	12.5
Chlorobenzene	ND		13	1.7	ug/L			09/02/14 16:50	12.5
Chlorobromomethane	ND		13	2.3	ug/L			09/02/14 16:50	12.5
Chlorodibromomethane	ND		13	1.7	ug/L			09/02/14 16:50	12.5
Chloroethane	ND		13	2.7	ug/L			09/02/14 16:50	12.5

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-36053-1

Client Sample ID: MW-30
Date Collected: 08/21/14 12:30
Date Received: 08/23/14 10:00

Lab Sample ID: 180-36053-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		13	2.1	ug/L			09/02/14 16:50	12.5
Chloromethane	ND		13	3.5	ug/L			09/02/14 16:50	12.5
cis-1,2-Dichloroethene	**350**		13	3.0	ug/L			09/02/14 16:50	12.5
cis-1,3-Dichloropropene	ND		13	2.3	ug/L			09/02/14 16:50	12.5
Cyclohexane	ND		13	3.2	ug/L			09/02/14 16:50	12.5
1,2-Dibromo-3-Chloropropane	ND		13	1.8	ug/L			09/02/14 16:50	12.5
1,2-Dibromoethane	ND		13	2.3	ug/L			09/02/14 16:50	12.5
1,2-Dichlorobenzene	ND		13	1.9	ug/L			09/02/14 16:50	12.5
1,3-Dichlorobenzene	ND		13	1.3	ug/L			09/02/14 16:50	12.5
1,4-Dichlorobenzene	ND		13	2.6	ug/L			09/02/14 16:50	12.5
Dichlorobromomethane	ND		13	1.6	ug/L			09/02/14 16:50	12.5
Dichlorodifluoromethane	ND		13	2.4	ug/L			09/02/14 16:50	12.5
1,1-Dichloroethane	ND		13	1.5	ug/L			09/02/14 16:50	12.5
1,2-Dichloroethane	ND		13	2.6	ug/L			09/02/14 16:50	12.5
1,1-Dichloroethene	ND		13	3.7	ug/L			09/02/14 16:50	12.5
1,2-Dichloropropane	ND		13	1.2	ug/L			09/02/14 16:50	12.5
1,4-Dioxane	ND		2500	430	ug/L			09/02/14 16:50	12.5
Ethylbenzene	ND		13	2.8	ug/L			09/02/14 16:50	12.5
2-Hexanone	ND		63	2.0	ug/L			09/02/14 16:50	12.5
Isopropylbenzene	ND		13	2.0	ug/L			09/02/14 16:50	12.5
Methyl acetate	ND		13	1.7	ug/L			09/02/14 16:50	12.5
Methylcyclohexane	ND		13	3.3	ug/L			09/02/14 16:50	12.5
Methylene Chloride	ND		13	1.6	ug/L			09/02/14 16:50	12.5
4-Methyl-2-pentanone (MIBK)	ND		63	6.6	ug/L			09/02/14 16:50	12.5
Methyl tert-butyl ether	ND		13	2.3	ug/L			09/02/14 16:50	12.5
m-Xylene & p-Xylene	ND		25	5.1	ug/L			09/02/14 16:50	12.5
o-Xylene	ND		13	1.4	ug/L			09/02/14 16:50	12.5
Styrene	ND		13	1.2	ug/L			09/02/14 16:50	12.5
1,1,2,2-Tetrachloroethane	ND		13	2.5	ug/L			09/02/14 16:50	12.5
Tetrachloroethene	**27**		13	1.9	ug/L			09/02/14 16:50	12.5
Toluene	ND		13	1.9	ug/L			09/02/14 16:50	12.5
trans-1,2-Dichloroethene	ND		13	2.1	ug/L			09/02/14 16:50	12.5
trans-1,3-Dichloropropene	ND		13	1.9	ug/L			09/02/14 16:50	12.5
1,2,3-Trichlorobenzene	ND		13	1.9	ug/L			09/02/14 16:50	12.5
1,2,4-Trichlorobenzene	ND		13	3.4	ug/L			09/02/14 16:50	12.5
1,1,1-Trichloroethane	ND		13	3.6	ug/L			09/02/14 16:50	12.5
1,1,2-Trichloroethane	ND		13	2.5	ug/L			09/02/14 16:50	12.5
Trichloroethene	**24**		13	1.8	ug/L			09/02/14 16:50	12.5
Trichlorofluoromethane	ND		13	2.5	ug/L			09/02/14 16:50	12.5
1,1,2-Trichloro-1,2,2-trifluoroethane	**250**		13	4.0	ug/L			09/02/14 16:50	12.5
Vinyl chloride	ND		13	2.8	ug/L			09/02/14 16:50	12.5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethane, 1,2-dichloro-1,1,2-trifluoro-	*90*	*T J N*	*ug/L*		*3.29*	*354-23-4*		*09/02/14 16:50*	*12.5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 118*		*09/02/14 16:50*	*12.5*
Dibromofluoromethane (Surr)	*116*		*70 - 128*		*09/02/14 16:50*	*12.5*
1,2-Dichloroethane-d4 (Surr)	*118*		*64 - 135*		*09/02/14 16:50*	*12.5*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-36053-1

Client Sample ID: MW-30

Lab Sample ID: 180-36053-4

Date Collected: 08/21/14 12:30

Matrix: Water

Date Received: 08/23/14 10:00

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*71 - 118*		*09/02/14 16:50*	*12.5*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**58**	**J**	100	25	ug/L			08/28/14 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*85*		*40 - 133*		*08/28/14 17:45*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	**2600**		540	110	ug/L		08/27/14 09:46	08/28/14 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*32*	*X*	*40 - 160*	*08/27/14 09:46*	*08/28/14 21:23*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	**13000**	**H**	1200	260	ug/L		08/30/14 09:38	09/02/14 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*56*		*40 - 160*	*08/30/14 09:38*	*09/02/14 20:30*	*1*

Client Sample ID: MW-10

Lab Sample ID: 180-36053-5

Date Collected: 08/21/14 14:30

Matrix: Water

Date Received: 08/23/14 10:00

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.010	0.0025	ug/L		08/26/14 12:45	08/29/14 04:43	1
PCB-1221	ND		0.010	0.0025	ug/L		08/26/14 12:45	08/29/14 04:43	1
PCB-1232	ND		0.010	0.0029	ug/L		08/26/14 12:45	08/29/14 04:43	1
PCB-1242	ND		0.010	0.0019	ug/L		08/26/14 12:45	08/29/14 04:43	1
PCB-1248	ND		0.010	0.0023	ug/L		08/26/14 12:45	08/29/14 04:43	1
PCB-1254	ND		0.010	0.0023	ug/L		08/26/14 12:45	08/29/14 04:43	1
PCB-1260	ND		0.010	0.0014	ug/L		08/26/14 12:45	08/29/14 04:43	1
PCB-1262	ND		0.010	0.0021	ug/L		08/26/14 12:45	08/29/14 04:43	1
PCB-1268	ND		0.010	0.0027	ug/L		08/26/14 12:45	08/29/14 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*60 - 135*	*08/26/14 12:45*	*08/29/14 04:43*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*60 - 135*	*08/26/14 12:45*	*08/29/14 05:15*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*25 - 150*	*08/26/14 12:45*	*08/29/14 04:43*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*25 - 150*	*08/26/14 12:45*	*08/29/14 05:15*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-36053-1

Client Sample ID: EB-1
Date Collected: 08/20/14 15:20
Date Received: 08/23/14 10:00

Lab Sample ID: 180-36053-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/28/14 17:02	1
Benzene	ND		1.0	0.11	ug/L			08/28/14 17:02	1
Bromoform	ND		1.0	0.19	ug/L			08/28/14 17:02	1
Bromomethane	ND		1.0	0.31	ug/L			08/28/14 17:02	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/28/14 17:02	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/28/14 17:02	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/28/14 17:02	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/28/14 17:02	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/28/14 17:02	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/28/14 17:02	1
Chloroethane	ND		1.0	0.21	ug/L			08/28/14 17:02	1
Chloroform	ND		1.0	0.17	ug/L			08/28/14 17:02	1
Chloromethane	ND		1.0	0.28	ug/L			08/28/14 17:02	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/28/14 17:02	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/28/14 17:02	1
Cyclohexane	ND		1.0	0.25	ug/L			08/28/14 17:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/28/14 17:02	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/28/14 17:02	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/28/14 17:02	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/28/14 17:02	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/28/14 17:02	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/28/14 17:02	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/28/14 17:02	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/28/14 17:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/28/14 17:02	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/28/14 17:02	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/28/14 17:02	1
1,4-Dioxane	ND		200	34	ug/L			08/28/14 17:02	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/28/14 17:02	1
2-Hexanone	ND		5.0	0.16	ug/L			08/28/14 17:02	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/28/14 17:02	1
Methyl acetate	ND		1.0	0.14	ug/L			08/28/14 17:02	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/28/14 17:02	1
Methylene Chloride	**0.19**	**J**	1.0	0.13	ug/L			08/28/14 17:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/28/14 17:02	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/28/14 17:02	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/28/14 17:02	1
o-Xylene	ND		1.0	0.11	ug/L			08/28/14 17:02	1
Styrene	ND		1.0	0.097	ug/L			08/28/14 17:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/28/14 17:02	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/28/14 17:02	1
Toluene	ND		1.0	0.15	ug/L			08/28/14 17:02	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/28/14 17:02	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/28/14 17:02	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/28/14 17:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/28/14 17:02	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/28/14 17:02	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/28/14 17:02	1
Trichloroethene	ND		1.0	0.14	ug/L			08/28/14 17:02	1

Client Sample ID: EB-1

Date Collected: 08/20/14 15:20
Date Received: 08/23/14 10:00

Lab Sample ID: 180-36053-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/28/14 17:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/28/14 17:02	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/28/14 17:02	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl Alcohol	*2.5*	*T J N*	*ug/L*		*3.63*	*67-63-0*		*08/28/14 17:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 118*		*08/28/14 17:02*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 128*		*08/28/14 17:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 135*		*08/28/14 17:02*	*1*
Toluene-d8 (Surr)	*108*		*71 - 118*		*08/28/14 17:02*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**31**	**J**	100	25	ug/L			08/28/14 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*84*		*40 - 133*		*08/28/14 17:08*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		510	110	ug/L		08/27/14 09:46	08/28/14 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*40 - 160*	*08/27/14 09:46*	*08/28/14 21:53*	*1*

Client Sample ID: MW-38

Date Collected: 08/21/14 17:45
Date Received: 08/23/14 10:00

Lab Sample ID: 180-36053-7
Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.010	0.0025	ug/L		08/26/14 12:45	08/29/14 06:17	1
PCB-1221	ND		0.010	0.0025	ug/L		08/26/14 12:45	08/29/14 06:17	1
PCB-1232	ND		0.010	0.0029	ug/L		08/26/14 12:45	08/29/14 06:17	1
PCB-1242	ND		0.010	0.0019	ug/L		08/26/14 12:45	08/29/14 06:17	1
PCB-1248	ND		0.010	0.0023	ug/L		08/26/14 12:45	08/29/14 06:17	1
PCB-1254	ND		0.010	0.0023	ug/L		08/26/14 12:45	08/29/14 06:17	1
PCB-1260	ND		0.010	0.0014	ug/L		08/26/14 12:45	08/29/14 06:17	1
PCB-1262	ND		0.010	0.0021	ug/L		08/26/14 12:45	08/29/14 06:17	1
PCB-1268	ND		0.010	0.0027	ug/L		08/26/14 12:45	08/29/14 06:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*60 - 135*	*08/26/14 12:45*	*08/29/14 06:17*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*60 - 135*	*08/26/14 12:45*	*08/29/14 06:49*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*25 - 150*	*08/26/14 12:45*	*08/29/14 06:17*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*25 - 150*	*08/26/14 12:45*	*08/29/14 06:49*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.

TestAmerica Job ID: 180-36053-1

Project/Site: Former Sperry Remington Site - North

Client Sample ID: EB-2

Lab Sample ID: 180-36053-8

Date Collected: 08/21/14 18:25

Matrix: Water

Date Received: 08/23/14 10:00

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.010	0.0025	ug/L		08/26/14 12:45	08/29/14 06:49	1
PCB-1221	ND		0.010	0.0025	ug/L		08/26/14 12:45	08/29/14 06:49	1
PCB-1232	ND		0.010	0.0030	ug/L		08/26/14 12:45	08/29/14 06:49	1
PCB-1242	ND		0.010	0.0019	ug/L		08/26/14 12:45	08/29/14 06:49	1
PCB-1248	ND		0.010	0.0023	ug/L		08/26/14 12:45	08/29/14 06:49	1
PCB-1254	ND		0.010	0.0023	ug/L		08/26/14 12:45	08/29/14 06:49	1
PCB-1260	ND		0.010	0.0014	ug/L		08/26/14 12:45	08/29/14 06:49	1
PCB-1262	ND		0.010	0.0021	ug/L		08/26/14 12:45	08/29/14 06:49	1
PCB-1268	ND		0.010	0.0027	ug/L		08/26/14 12:45	08/29/14 06:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*60 - 135*	*08/26/14 12:45*	*08/29/14 06:49*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*60 - 135*	*08/26/14 12:45*	*08/29/14 07:20*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*25 - 150*	*08/26/14 12:45*	*08/29/14 06:49*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*25 - 150*	*08/26/14 12:45*	*08/29/14 07:20*	*1*

Client Sample ID: MW-34

Lab Sample ID: 180-36053-9

Date Collected: 08/22/14 11:45

Matrix: Water

Date Received: 08/23/14 10:00

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.051	0.013	ug/L		08/26/14 12:45	08/29/14 07:20	5
PCB-1221	ND		0.051	0.013	ug/L		08/26/14 12:45	08/29/14 07:20	5
PCB-1232	ND		0.051	0.015	ug/L		08/26/14 12:45	08/29/14 07:20	5
PCB-1242	ND		0.051	0.0094	ug/L		08/26/14 12:45	08/29/14 07:20	5
PCB-1248	**1.4**		0.051	0.011	ug/L		08/26/14 12:45	08/29/14 07:52	5
PCB-1254	ND		0.051	0.012	ug/L		08/26/14 12:45	08/29/14 07:20	5
PCB-1260	ND		0.051	0.0068	ug/L		08/26/14 12:45	08/29/14 07:20	5
PCB-1262	ND		0.051	0.010	ug/L		08/26/14 12:45	08/29/14 07:20	5
PCB-1268	ND		0.051	0.014	ug/L		08/26/14 12:45	08/29/14 07:20	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*97*		*60 - 135*	*08/26/14 12:45*	*08/29/14 07:20*	*5*
DCB Decachlorobiphenyl (Surr)	*100*		*60 - 135*	*08/26/14 12:45*	*08/29/14 07:52*	*5*
Tetrachloro-m-xylene (Surr)	*93*		*25 - 150*	*08/26/14 12:45*	*08/29/14 07:20*	*5*
Tetrachloro-m-xylene (Surr)	*107*		*25 - 150*	*08/26/14 12:45*	*08/29/14 07:52*	*5*

Client Sample ID: DUP-2

Lab Sample ID: 180-36053-10

Date Collected: 08/22/14 00:00

Matrix: Water

Date Received: 08/23/14 10:00

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.051	0.013	ug/L		08/26/14 12:45	08/29/14 07:52	5
PCB-1221	ND		0.051	0.013	ug/L		08/26/14 12:45	08/29/14 07:52	5
PCB-1232	ND		0.051	0.015	ug/L		08/26/14 12:45	08/29/14 07:52	5
PCB-1242	ND		0.051	0.0094	ug/L		08/26/14 12:45	08/29/14 07:52	5
PCB-1248	**1.9**		0.051	0.011	ug/L		08/26/14 12:45	08/29/14 08:23	5
PCB-1254	ND		0.051	0.012	ug/L		08/26/14 12:45	08/29/14 07:52	5

Client Sample ID: DUP-2

Lab Sample ID: 180-36053-10
Date Collected: 08/22/14 00:00
Matrix: Water
Date Received: 08/23/14 10:00

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		0.051	0.0068	ug/L		08/26/14 12:45	08/29/14 07:52	5
PCB-1262	ND		0.051	0.010	ug/L		08/26/14 12:45	08/29/14 07:52	5
PCB-1268	ND		0.051	0.014	ug/L		08/26/14 12:45	08/29/14 07:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*107*		*60 - 135*	*08/26/14 12:45*	*08/29/14 07:52*	*5*
DCB Decachlorobiphenyl (Surr)	*112*		*60 - 135*	*08/26/14 12:45*	*08/29/14 08:23*	*5*
Tetrachloro-m-xylene (Surr)	*98*		*25 - 150*	*08/26/14 12:45*	*08/29/14 07:52*	*5*
Tetrachloro-m-xylene (Surr)	*111*		*25 - 150*	*08/26/14 12:45*	*08/29/14 08:23*	*5*

Client Sample ID: MW-41

Lab Sample ID: 180-36053-11
Date Collected: 08/22/14 13:40
Matrix: Water
Date Received: 08/23/14 10:00

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.13	ug/L		08/26/14 12:45	08/29/14 08:23	50
PCB-1221	ND		0.50	0.12	ug/L		08/26/14 12:45	08/29/14 08:23	50
PCB-1232	ND		0.50	0.15	ug/L		08/26/14 12:45	08/29/14 08:23	50
PCB-1242	ND		0.50	0.093	ug/L		08/26/14 12:45	08/29/14 08:23	50
PCB-1248	**23**		0.50	0.11	ug/L		08/26/14 12:45	08/29/14 08:23	50
PCB-1254	ND		0.50	0.11	ug/L		08/26/14 12:45	08/29/14 08:23	50
PCB-1260	ND		0.50	0.068	ug/L		08/26/14 12:45	08/29/14 08:23	50
PCB-1262	ND		0.50	0.10	ug/L		08/26/14 12:45	08/29/14 08:23	50
PCB-1268	ND		0.50	0.14	ug/L		08/26/14 12:45	08/29/14 08:23	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*104*		*60 - 135*	*08/26/14 12:45*	*08/29/14 08:23*	*50*
DCB Decachlorobiphenyl (Surr)	*99*		*60 - 135*	*08/26/14 12:45*	*08/29/14 08:55*	*50*
Tetrachloro-m-xylene (Surr)	*92*		*25 - 150*	*08/26/14 12:45*	*08/29/14 08:23*	*50*
Tetrachloro-m-xylene (Surr)	*108*		*25 - 150*	*08/26/14 12:45*	*08/29/14 08:55*	*50*

Client Sample ID: TB-1

Lab Sample ID: 180-36053-12
Date Collected: 08/22/14 00:00
Matrix: Water
Date Received: 08/23/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/28/14 11:50	1
Benzene	ND		1.0	0.11	ug/L			08/28/14 11:50	1
Bromoform	ND		1.0	0.19	ug/L			08/28/14 11:50	1
Bromomethane	ND		1.0	0.31	ug/L			08/28/14 11:50	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/28/14 11:50	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/28/14 11:50	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/28/14 11:50	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/28/14 11:50	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/28/14 11:50	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/28/14 11:50	1
Chloroethane	ND		1.0	0.21	ug/L			08/28/14 11:50	1
Chloroform	ND		1.0	0.17	ug/L			08/28/14 11:50	1

Client Sample Results

Client Sample ID: TB-1
Lab Sample ID: 180-36053-12
Date Collected: 08/22/14 00:00
Matrix: Water
Date Received: 08/23/14 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.28	ug/L			08/28/14 11:50	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/28/14 11:50	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/28/14 11:50	1
Cyclohexane	ND		1.0	0.25	ug/L			08/28/14 11:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/28/14 11:50	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/28/14 11:50	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/28/14 11:50	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/28/14 11:50	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/28/14 11:50	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/28/14 11:50	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/28/14 11:50	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/28/14 11:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/28/14 11:50	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/28/14 11:50	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/28/14 11:50	1
1,4-Dioxane	ND		200	34	ug/L			08/28/14 11:50	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/28/14 11:50	1
2-Hexanone	ND		5.0	0.16	ug/L			08/28/14 11:50	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/28/14 11:50	1
Methyl acetate	ND		1.0	0.14	ug/L			08/28/14 11:50	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/28/14 11:50	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/28/14 11:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/28/14 11:50	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/28/14 11:50	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/28/14 11:50	1
o-Xylene	ND		1.0	0.11	ug/L			08/28/14 11:50	1
Styrene	ND		1.0	0.097	ug/L			08/28/14 11:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/28/14 11:50	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/28/14 11:50	1
Toluene	ND		1.0	0.15	ug/L			08/28/14 11:50	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/28/14 11:50	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/28/14 11:50	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/28/14 11:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/28/14 11:50	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/28/14 11:50	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/28/14 11:50	1
Trichloroethene	ND		1.0	0.14	ug/L			08/28/14 11:50	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/28/14 11:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/28/14 11:50	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/28/14 11:50	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/28/14 11:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 118*		*08/28/14 11:50*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 128*		*08/28/14 11:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 135*		*08/28/14 11:50*	*1*
Toluene-d8 (Surr)	*106*		*71 - 118*		*08/28/14 11:50*	*1*

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

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

Lab Sample ID: MB 180-116303/6
Matrix: Water
Analysis Batch: 116303

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			08/28/14 10:47	1
Benzene	ND		1.0	0.11	ug/L			08/28/14 10:47	1
Bromoform	ND		1.0	0.19	ug/L			08/28/14 10:47	1
Bromomethane	ND		1.0	0.31	ug/L			08/28/14 10:47	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			08/28/14 10:47	1
Carbon disulfide	ND		1.0	0.21	ug/L			08/28/14 10:47	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			08/28/14 10:47	1
Chlorobenzene	ND		1.0	0.14	ug/L			08/28/14 10:47	1
Chlorobromomethane	ND		1.0	0.18	ug/L			08/28/14 10:47	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			08/28/14 10:47	1
Chloroethane	ND		1.0	0.21	ug/L			08/28/14 10:47	1
Chloroform	ND		1.0	0.17	ug/L			08/28/14 10:47	1
Chloromethane	ND		1.0	0.28	ug/L			08/28/14 10:47	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			08/28/14 10:47	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			08/28/14 10:47	1
Cyclohexane	ND		1.0	0.25	ug/L			08/28/14 10:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			08/28/14 10:47	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/28/14 10:47	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/28/14 10:47	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			08/28/14 10:47	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			08/28/14 10:47	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			08/28/14 10:47	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			08/28/14 10:47	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			08/28/14 10:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/28/14 10:47	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/28/14 10:47	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			08/28/14 10:47	1
1,4-Dioxane	ND		200	34	ug/L			08/28/14 10:47	1
Ethylbenzene	ND		1.0	0.23	ug/L			08/28/14 10:47	1
2-Hexanone	ND		5.0	0.16	ug/L			08/28/14 10:47	1
Isopropylbenzene	ND		1.0	0.16	ug/L			08/28/14 10:47	1
Methyl acetate	ND		1.0	0.14	ug/L			08/28/14 10:47	1
Methylcyclohexane	ND		1.0	0.26	ug/L			08/28/14 10:47	1
Methylene Chloride	ND		1.0	0.13	ug/L			08/28/14 10:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			08/28/14 10:47	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			08/28/14 10:47	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			08/28/14 10:47	1
o-Xylene	ND		1.0	0.11	ug/L			08/28/14 10:47	1
Styrene	ND		1.0	0.097	ug/L			08/28/14 10:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			08/28/14 10:47	1
Tetrachloroethene	ND		1.0	0.15	ug/L			08/28/14 10:47	1
Toluene	ND		1.0	0.15	ug/L			08/28/14 10:47	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			08/28/14 10:47	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			08/28/14 10:47	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			08/28/14 10:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			08/28/14 10:47	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			08/28/14 10:47	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/28/14 10:47	1

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

Lab Sample ID: MB 180-116303/6
Matrix: Water
Analysis Batch: 116303

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.0	0.14	ug/L			08/28/14 10:47	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/28/14 10:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			08/28/14 10:47	1
Vinyl chloride	ND		1.0	0.23	ug/L			08/28/14 10:47	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/28/14 10:47*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 118*		*08/28/14 10:47*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 128*		*08/28/14 10:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 135*		*08/28/14 10:47*	*1*
Toluene-d8 (Surr)	*105*		*71 - 118*		*08/28/14 10:47*	*1*

Lab Sample ID: LCS 180-116303/10
Matrix: Water
Analysis Batch: 116303

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10.0	13.0		ug/L		130	22 - 150
Benzene	10.0	11.0		ug/L		110	80 - 120
Bromoform	10.0	8.44		ug/L		84	46 - 150
Bromomethane	10.0	8.60		ug/L		86	33 - 150
2-Butanone (MEK)	10.0	12.3		ug/L		123	39 - 138
Carbon disulfide	10.0	11.6		ug/L		116	54 - 132
Carbon tetrachloride	10.0	8.19		ug/L		82	55 - 150
Chlorobenzene	10.0	11.7		ug/L		117	80 - 120
Chlorobromomethane	10.0	10.2		ug/L		102	70 - 127
Chlorodibromomethane	10.0	9.60		ug/L		96	60 - 140
Chloroethane	10.0	9.74		ug/L		97	36 - 142
Chloroform	10.0	10.8		ug/L		108	72 - 127
Chloromethane	10.0	8.82		ug/L		88	50 - 139
cis-1,2-Dichloroethene	10.0	10.2		ug/L		102	70 - 120
cis-1,3-Dichloropropene	10.0	9.26		ug/L		93	66 - 120
Cyclohexane	10.0	10.2		ug/L		102	45 - 142
1,2-Dibromo-3-Chloropropane	10.0	9.32		ug/L		93	37 - 133
1,2-Dibromoethane	10.0	11.2		ug/L		112	74 - 123
1,2-Dichlorobenzene	10.0	10.7		ug/L		107	77 - 120
1,3-Dichlorobenzene	10.0	10.6		ug/L		106	76 - 120
1,4-Dichlorobenzene	10.0	10.7		ug/L		107	77 - 120
Dichlorobromomethane	10.0	9.79		ug/L		98	66 - 130
Dichlorodifluoromethane	10.0	7.54		ug/L		75	13 - 150
1,1-Dichloroethane	10.0	10.8		ug/L		108	73 - 126
1,2-Dichloroethane	10.0	10.7		ug/L		107	68 - 132
1,1-Dichloroethene	10.0	9.81		ug/L		98	65 - 136
1,2-Dichloropropane	10.0	10.6		ug/L		106	76 - 124
1,4-Dioxane	200	283		ug/L		141	10 - 160

QC Sample Results

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

Lab Sample ID: LCS 180-116303/10
Matrix: Water
Analysis Batch: 116303

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	10.0	11.2		ug/L		112	72 - 126
2-Hexanone	10.0	10.4		ug/L		104	25 - 132
Isopropylbenzene	10.0	11.7		ug/L		117	58 - 130
Methyl acetate	50.0	55.0		ug/L		110	47 - 142
Methylcyclohexane	10.0	10.1		ug/L		101	45 - 145
Methylene Chloride	10.0	10.0		ug/L		100	63 - 129
4-Methyl-2-pentanone (MIBK)	10.0	11.1		ug/L		111	45 - 145
Methyl tert-butyl ether	10.0	10.4		ug/L		104	64 - 123
m-Xylene & p-Xylene	10.0	11.3		ug/L		113	73 - 130
o-Xylene	10.0	11.3		ug/L		113	72 - 124
Styrene	10.0	11.3		ug/L		113	71 - 127
1,1,2,2-Tetrachloroethane	10.0	12.0		ug/L		120	62 - 125
Tetrachloroethene	10.0	10.9		ug/L		109	70 - 135
Toluene	10.0	11.3		ug/L		113	80 - 123
trans-1,2-Dichloroethene	10.0	10.5		ug/L		105	73 - 126
trans-1,3-Dichloropropene	10.0	10.4		ug/L		104	65 - 125
1,2,3-Trichlorobenzene	10.0	10.6		ug/L		106	59 - 127
1,2,4-Trichlorobenzene	10.0	10.5		ug/L		105	60 - 127
1,1,1-Trichloroethane	10.0	9.34		ug/L		93	63 - 133
1,1,2-Trichloroethane	10.0	11.6		ug/L		116	77 - 127
Trichloroethene	10.0	10.7		ug/L		107	73 - 120
Trichlorofluoromethane	10.0	8.07		ug/L		81	44 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.94		ug/L		99	46 - 148
Vinyl chloride	10.0	8.58		ug/L		86	53 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 118*
Dibromofluoromethane (Surr)	*112*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*108*		*64 - 135*
Toluene-d8 (Surr)	*114*		*71 - 118*

Lab Sample ID: 180-36053-1 MS
Matrix: Water
Analysis Batch: 116303

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		50.0	53.4		ug/L		107	22 - 150
Benzene	ND		50.0	48.6		ug/L		97	80 - 120
Bromoform	ND		50.0	38.3		ug/L		77	46 - 150
Bromomethane	ND		50.0	36.5		ug/L		73	33 - 150
2-Butanone (MEK)	ND		50.0	52.6		ug/L		105	39 - 138
Carbon disulfide	ND		50.0	52.9		ug/L		106	54 - 132
Carbon tetrachloride	ND		50.0	37.9		ug/L		76	55 - 150
Chlorobenzene	ND		50.0	48.9		ug/L		98	80 - 120
Chlorobromomethane	ND		50.0	44.9		ug/L		90	70 - 127
Chlorodibromomethane	ND		50.0	44.4		ug/L		89	60 - 140
Chloroethane	ND		50.0	42.5		ug/L		85	36 - 142

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

Lab Sample ID: 180-36053-1 MS
Client Sample ID: MW-8
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 116303

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	ND		50.0	48.2		ug/L		96	72 - 127
Chloromethane	ND		50.0	39.0		ug/L		78	50 - 139
cis-1,2-Dichloroethene	77		50.0	159	F1	ug/L		165	70 - 120
cis-1,3-Dichloropropene	ND		50.0	42.8		ug/L		86	66 - 120
Cyclohexane	ND		50.0	46.3		ug/L		93	45 - 142
1,2-Dibromo-3-Chloropropane	ND		50.0	43.0		ug/L		86	37 - 133
1,2-Dibromoethane	ND		50.0	49.3		ug/L		99	74 - 123
1,2-Dichlorobenzene	ND		50.0	49.5		ug/L		99	77 - 120
1,3-Dichlorobenzene	ND		50.0	49.6		ug/L		99	76 - 120
1,4-Dichlorobenzene	ND		50.0	50.8		ug/L		102	77 - 120
Dichlorobromomethane	ND		50.0	44.0		ug/L		88	66 - 130
Dichlorodifluoromethane	ND		50.0	36.9		ug/L		74	13 - 150
1,1-Dichloroethane	ND		50.0	47.7		ug/L		95	73 - 126
1,2-Dichloroethane	ND		50.0	48.3		ug/L		97	68 - 132
1,1-Dichloroethene	ND		50.0	42.9		ug/L		86	65 - 136
1,2-Dichloropropane	ND		50.0	48.1		ug/L		96	76 - 124
1,4-Dioxane	ND		1000	1260		ug/L		126	10 - 160
Ethylbenzene	ND		50.0	47.8		ug/L		96	72 - 126
2-Hexanone	ND		50.0	46.2		ug/L		92	25 - 132
Isopropylbenzene	ND		50.0	52.3		ug/L		105	58 - 130
Methyl acetate	ND		250	257		ug/L		103	47 - 142
Methylcyclohexane	ND		50.0	46.8		ug/L		94	45 - 145
Methylene Chloride	1.0	J	50.0	43.4		ug/L		85	63 - 129
4-Methyl-2-pentanone (MIBK)	ND		50.0	51.2		ug/L		102	45 - 145
Methyl tert-butyl ether	ND		50.0	48.1		ug/L		96	64 - 123
m-Xylene & p-Xylene	ND		50.0	49.2		ug/L		98	73 - 130
o-Xylene	ND		50.0	49.1		ug/L		98	72 - 124
Styrene	ND		50.0	48.6		ug/L		97	71 - 127
1,1,2,2-Tetrachloroethane	ND		50.0	53.4		ug/L		107	62 - 125
Tetrachloroethene	1.2	J	50.0	49.2		ug/L		96	70 - 135
Toluene	ND		50.0	50.3		ug/L		101	80 - 123
trans-1,2-Dichloroethene	ND		50.0	47.1		ug/L		94	73 - 126
trans-1,3-Dichloropropene	ND		50.0	45.3		ug/L		91	65 - 125
1,2,3-Trichlorobenzene	ND		50.0	48.6		ug/L		97	59 - 127
1,2,4-Trichlorobenzene	ND		50.0	48.5		ug/L		97	60 - 127
1,1,1-Trichloroethane	ND		50.0	43.4		ug/L		87	63 - 133
1,1,2-Trichloroethane	ND		50.0	49.3		ug/L		99	77 - 127
Trichloroethene	ND		50.0	47.0		ug/L		94	73 - 120
Trichlorofluoromethane	ND		50.0	36.5		ug/L		73	44 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	1.7	J	50.0	47.0		ug/L		91	46 - 148
Vinyl chloride	1.2	J	50.0	42.2		ug/L		82	53 - 138

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 118*
Dibromofluoromethane (Surr)	*95*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 135*
Toluene-d8 (Surr)	*98*		*71 - 118*

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

Lab Sample ID: 180-36053-1 MSD
Matrix: Water
Analysis Batch: 116303

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		50.0	52.9		ug/L		106	22 - 150	1	35
Benzene	ND		50.0	49.8		ug/L		100	80 - 120	2	32
Bromoform	ND		50.0	40.2		ug/L		80	46 - 150	5	35
Bromomethane	ND		50.0	39.8		ug/L		80	33 - 150	9	35
2-Butanone (MEK)	ND		50.0	55.2		ug/L		110	39 - 138	5	35
Carbon disulfide	ND		50.0	51.7		ug/L		103	54 - 132	2	35
Carbon tetrachloride	ND		50.0	38.3		ug/L		77	55 - 150	1	35
Chlorobenzene	ND		50.0	49.4		ug/L		99	80 - 120	1	29
Chlorobromomethane	ND		50.0	47.2		ug/L		94	70 - 127	5	35
Chlorodibromomethane	ND		50.0	43.9		ug/L		88	60 - 140	1	35
Chloroethane	ND		50.0	41.9		ug/L		84	36 - 142	1	35
Chloroform	ND		50.0	49.6		ug/L		99	72 - 127	3	35
Chloromethane	ND		50.0	40.6		ug/L		81	50 - 139	4	35
cis-1,2-Dichloroethene	77		50.0	155	F1	ug/L		156	70 - 120	3	35
cis-1,3-Dichloropropene	ND		50.0	44.3		ug/L		89	66 - 120	3	35
Cyclohexane	ND		50.0	45.8		ug/L		92	45 - 142	1	35
1,2-Dibromo-3-Chloropropane	ND		50.0	45.2		ug/L		90	37 - 133	5	35
1,2-Dibromoethane	ND		50.0	48.7		ug/L		97	74 - 123	1	35
1,2-Dichlorobenzene	ND		50.0	51.1		ug/L		102	77 - 120	3	24
1,3-Dichlorobenzene	ND		50.0	48.5		ug/L		97	76 - 120	2	24
1,4-Dichlorobenzene	ND		50.0	49.8		ug/L		100	77 - 120	2	24
Dichlorobromomethane	ND		50.0	46.0		ug/L		92	66 - 130	4	35
Dichlorodifluoromethane	ND		50.0	36.8		ug/L		74	13 - 150	0	35
1,1-Dichloroethane	ND		50.0	49.6		ug/L		99	73 - 126	4	35
1,2-Dichloroethane	ND		50.0	49.8		ug/L		100	68 - 132	3	32
1,1-Dichloroethene	ND		50.0	43.0		ug/L		86	65 - 136	0	35
1,2-Dichloropropane	ND		50.0	50.4		ug/L		101	76 - 124	5	34
1,4-Dioxane	ND		1000	1350		ug/L		135	10 - 160	7	35
Ethylbenzene	ND		50.0	48.5		ug/L		97	72 - 126	2	33
2-Hexanone	ND		50.0	46.5		ug/L		93	25 - 132	1	35
Isopropylbenzene	ND		50.0	50.4		ug/L		101	58 - 130	4	35
Methyl acetate	ND		250	275		ug/L		110	47 - 142	6	35
Methylcyclohexane	ND		50.0	46.2		ug/L		92	45 - 145	1	35
Methylene Chloride	1.0	J	50.0	46.3		ug/L		91	63 - 129	6	35
4-Methyl-2-pentanone (MIBK)	ND		50.0	50.7		ug/L		101	45 - 145	1	35
Methyl tert-butyl ether	ND		50.0	45.9		ug/L		92	64 - 123	5	35
m-Xylene & p-Xylene	ND		50.0	48.3		ug/L		97	73 - 130	2	32
o-Xylene	ND		50.0	50.2		ug/L		100	72 - 124	2	33
Styrene	ND		50.0	48.7		ug/L		97	71 - 127	0	34
1,1,2,2-Tetrachloroethane	ND		50.0	54.9		ug/L		110	62 - 125	3	35
Tetrachloroethene	1.2	J	50.0	47.2		ug/L		92	70 - 135	4	35
Toluene	ND		50.0	49.0		ug/L		98	80 - 123	3	35
trans-1,2-Dichloroethene	ND		50.0	47.6		ug/L		95	73 - 126	1	35
trans-1,3-Dichloropropene	ND		50.0	47.1		ug/L		94	65 - 125	4	35
1,2,3-Trichlorobenzene	ND		50.0	50.1		ug/L		100	59 - 127	3	35
1,2,4-Trichlorobenzene	ND		50.0	50.1		ug/L		100	60 - 127	3	35
1,1,1-Trichloroethane	ND		50.0	43.8		ug/L		88	63 - 133	1	35
1,1,2-Trichloroethane	ND		50.0	50.4		ug/L		101	77 - 127	2	35

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

Lab Sample ID: 180-36053-1 MSD
Matrix: Water
Analysis Batch: 116303

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	ND		50.0	48.0		ug/L		96	73 - 120	2	35
Trichlorofluoromethane	ND		50.0	34.6		ug/L		69	44 - 150	5	35
1,1,2-Trichloro-1,2,2-trifluoroethane	1.7	J	50.0	46.1		ug/L		89	46 - 148	2	35
Vinyl chloride	1.2	J	50.0	43.1		ug/L		84	53 - 138	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 118*
Dibromofluoromethane (Surr)	*97*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 135*
Toluene-d8 (Surr)	*99*		*71 - 118*

Lab Sample ID: MB 180-116723/7
Matrix: Water
Analysis Batch: 116723

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			09/02/14 13:43	1
Benzene	ND		1.0	0.11	ug/L			09/02/14 13:43	1
Bromoform	ND		1.0	0.19	ug/L			09/02/14 13:43	1
Bromomethane	ND		1.0	0.31	ug/L			09/02/14 13:43	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			09/02/14 13:43	1
Carbon disulfide	ND		1.0	0.21	ug/L			09/02/14 13:43	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			09/02/14 13:43	1
Chlorobenzene	ND		1.0	0.14	ug/L			09/02/14 13:43	1
Chlorobromomethane	ND		1.0	0.18	ug/L			09/02/14 13:43	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			09/02/14 13:43	1
Chloroethane	ND		1.0	0.21	ug/L			09/02/14 13:43	1
Chloroform	ND		1.0	0.17	ug/L			09/02/14 13:43	1
Chloromethane	ND		1.0	0.28	ug/L			09/02/14 13:43	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			09/02/14 13:43	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			09/02/14 13:43	1
Cyclohexane	ND		1.0	0.25	ug/L			09/02/14 13:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			09/02/14 13:43	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			09/02/14 13:43	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			09/02/14 13:43	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			09/02/14 13:43	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			09/02/14 13:43	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			09/02/14 13:43	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			09/02/14 13:43	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			09/02/14 13:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/02/14 13:43	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			09/02/14 13:43	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			09/02/14 13:43	1
1,4-Dioxane	ND		200	34	ug/L			09/02/14 13:43	1
Ethylbenzene	ND		1.0	0.23	ug/L			09/02/14 13:43	1
2-Hexanone	ND		5.0	0.16	ug/L			09/02/14 13:43	1
Isopropylbenzene	ND		1.0	0.16	ug/L			09/02/14 13:43	1

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

Lab Sample ID: MB 180-116723/7
Matrix: Water
Analysis Batch: 116723

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		1.0	0.14	ug/L			09/02/14 13:43	1
Methylcyclohexane	ND		1.0	0.26	ug/L			09/02/14 13:43	1
Methylene Chloride	ND		1.0	0.13	ug/L			09/02/14 13:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			09/02/14 13:43	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			09/02/14 13:43	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			09/02/14 13:43	1
o-Xylene	ND		1.0	0.11	ug/L			09/02/14 13:43	1
Styrene	ND		1.0	0.097	ug/L			09/02/14 13:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			09/02/14 13:43	1
Tetrachloroethene	ND		1.0	0.15	ug/L			09/02/14 13:43	1
Toluene	ND		1.0	0.15	ug/L			09/02/14 13:43	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			09/02/14 13:43	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			09/02/14 13:43	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			09/02/14 13:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			09/02/14 13:43	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			09/02/14 13:43	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			09/02/14 13:43	1
Trichloroethene	ND		1.0	0.14	ug/L			09/02/14 13:43	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/02/14 13:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			09/02/14 13:43	1
Vinyl chloride	ND		1.0	0.23	ug/L			09/02/14 13:43	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*09/02/14 13:43*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 118*		*09/02/14 13:43*	*1*
Dibromofluoromethane (Surr)	*120*		*70 - 128*		*09/02/14 13:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*64 - 135*		*09/02/14 13:43*	*1*
Toluene-d8 (Surr)	*97*		*71 - 118*		*09/02/14 13:43*	*1*

Lab Sample ID: LCS 180-116723/10
Matrix: Water
Analysis Batch: 116723

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10.0	10.9		ug/L		109	22 - 150
Benzene	10.0	10.6		ug/L		106	80 - 120
Bromoform	10.0	11.7		ug/L		117	46 - 150
Bromomethane	10.0	6.75		ug/L		68	33 - 150
2-Butanone (MEK)	10.0	11.7		ug/L		117	39 - 138
Carbon disulfide	10.0	9.78		ug/L		98	54 - 132
Carbon tetrachloride	10.0	12.1		ug/L		121	55 - 150
Chlorobenzene	10.0	11.2		ug/L		112	80 - 120
Chlorobromomethane	10.0	9.86		ug/L		99	70 - 127
Chlorodibromomethane	10.0	12.1		ug/L		121	60 - 140
Chloroethane	10.0	7.42		ug/L		74	36 - 142

QC Sample Results

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

Lab Sample ID: LCS 180-116723/10
Matrix: Water
Analysis Batch: 116723

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	10.0	10.8		ug/L		108	72 - 127
Chloromethane	10.0	10.6		ug/L		106	50 - 139
cis-1,2-Dichloroethene	10.0	10.0		ug/L		100	70 - 120
cis-1,3-Dichloropropene	10.0	9.99		ug/L		100	66 - 120
Cyclohexane	10.0	11.2		ug/L		112	45 - 142
1,2-Dibromo-3-Chloropropane	10.0	9.53		ug/L		95	37 - 133
1,2-Dibromoethane	10.0	11.5		ug/L		115	74 - 123
1,2-Dichlorobenzene	10.0	10.2		ug/L		102	77 - 120
1,3-Dichlorobenzene	10.0	10.1		ug/L		101	76 - 120
1,4-Dichlorobenzene	10.0	9.96		ug/L		100	77 - 120
Dichlorobromomethane	10.0	10.5		ug/L		105	66 - 130
Dichlorodifluoromethane	10.0	8.90		ug/L		89	13 - 150
1,1-Dichloroethane	10.0	10.5		ug/L		105	73 - 126
1,2-Dichloroethane	10.0	11.1		ug/L		111	68 - 132
1,1-Dichloroethene	10.0	10.9		ug/L		109	65 - 136
1,2-Dichloropropane	10.0	10.9		ug/L		109	76 - 124
1,4-Dioxane	200	200		ug/L		100	10 - 160
Ethylbenzene	10.0	11.6		ug/L		116	72 - 126
2-Hexanone	10.0	11.3		ug/L		113	25 - 132
Isopropylbenzene	10.0	11.5		ug/L		115	58 - 130
Methyl acetate	50.0	61.5		ug/L		123	47 - 142
Methylcyclohexane	10.0	9.90		ug/L		99	45 - 145
Methylene Chloride	10.0	9.85		ug/L		98	63 - 129
4-Methyl-2-pentanone (MIBK)	10.0	11.1		ug/L		111	45 - 145
Methyl tert-butyl ether	10.0	9.91		ug/L		99	64 - 123
m-Xylene & p-Xylene	10.0	11.8		ug/L		118	73 - 130
o-Xylene	10.0	11.3		ug/L		113	72 - 124
Styrene	10.0	11.9		ug/L		119	71 - 127
1,1,2,2-Tetrachloroethane	10.0	11.6		ug/L		116	62 - 125
Tetrachloroethene	10.0	11.4		ug/L		114	70 - 135
Toluene	10.0	11.5		ug/L		115	80 - 123
trans-1,2-Dichloroethene	10.0	10.6		ug/L		106	73 - 126
trans-1,3-Dichloropropene	10.0	10.8		ug/L		108	65 - 125
1,2,3-Trichlorobenzene	10.0	9.18		ug/L		92	59 - 127
1,2,4-Trichlorobenzene	10.0	9.64		ug/L		96	60 - 127
1,1,1-Trichloroethane	10.0	10.3		ug/L		103	63 - 133
1,1,2-Trichloroethane	10.0	10.7		ug/L		107	77 - 127
Trichloroethene	10.0	10.4		ug/L		104	73 - 120
Trichlorofluoromethane	10.0	7.46		ug/L		75	44 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.6		ug/L		106	46 - 148
Vinyl chloride	10.0	9.17		ug/L		92	53 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 118*
Dibromofluoromethane (Surr)	*100*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 135*
Toluene-d8 (Surr)	*102*		*71 - 118*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 240-144784/5
Matrix: Water
Analysis Batch: 144784

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		100	25	ug/L			08/28/14 12:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*85*		*40 - 133*		*08/28/14 12:50*	*1*

Lab Sample ID: LCS 240-144784/6
Matrix: Water
Analysis Batch: 144784

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics [C6 - C10]	800	795		ug/L		99	67 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*106*		*40 - 133*

Lab Sample ID: 180-36053-1 MS
Matrix: Water
Analysis Batch: 144784

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics [C6 - C10]	35	J	800	815		ug/L		97	63 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*105*		*40 - 133*

Lab Sample ID: 180-36053-1 MSD
Matrix: Water
Analysis Batch: 144784

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	35	J	800	800		ug/L		96	63 - 120	2	11

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Trifluorotoluene (Surr)	*105*		*40 - 133*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 240-144632/8-A
Matrix: Water
Analysis Batch: 144806

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 144632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		500	110	ug/L		08/27/14 09:46	08/28/14 17:49	1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 240-144632/8-A
Matrix: Water
Analysis Batch: 144806

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 144632

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*64*		*40 - 160*	*08/27/14 09:46*	*08/28/14 17:49*	*1*

Lab Sample ID: LCS 240-144632/9-A
Matrix: Water
Analysis Batch: 144806

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 144632

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10 - C28]			2500	1890		ug/L		75	40 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*69*		*40 - 160*

Lab Sample ID: 180-36053-1 MS
Matrix: Water
Analysis Batch: 144806

Client Sample ID: MW-8
Prep Type: Total/NA
Prep Batch: 144632

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10 - C28]	1200		2780	2960		ug/L		65	27 - 120		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*81*		*40 - 160*

Lab Sample ID: 180-36053-1 MSD
Matrix: Water
Analysis Batch: 144806

Client Sample ID: MW-8
Prep Type: Total/NA
Prep Batch: 144632

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10 - C28]	1200		2780	3000		ug/L		66	27 - 120	1	31

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*77*		*40 - 160*

Lab Sample ID: MB 240-145081/2-A
Matrix: Water
Analysis Batch: 145338

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 145081

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		500	110	ug/L		08/30/14 09:38	09/02/14 19:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*69*		*40 - 160*	*08/30/14 09:38*	*09/02/14 19:30*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 240-145081/3-A
Matrix: Water
Analysis Batch: 145338

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 145081

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10 - C28]	2500	1970		ug/L		79	40 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*76*		*40 - 160*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 180-116110/1-A
Matrix: Water
Analysis Batch: 116403

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116110

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.010	0.0025	ug/L		08/26/14 12:45	08/29/14 10:28	1
PCB-1221	ND		0.010	0.0025	ug/L		08/26/14 12:45	08/29/14 10:28	1
PCB-1232	ND		0.010	0.0029	ug/L		08/26/14 12:45	08/29/14 10:28	1
PCB-1242	ND		0.010	0.0019	ug/L		08/26/14 12:45	08/29/14 10:28	1
PCB-1248	ND		0.010	0.0023	ug/L		08/26/14 12:45	08/29/14 10:28	1
PCB-1254	ND		0.010	0.0023	ug/L		08/26/14 12:45	08/29/14 10:28	1
PCB-1260	ND		0.010	0.0014	ug/L		08/26/14 12:45	08/29/14 10:28	1
PCB-1262	ND		0.010	0.0021	ug/L		08/26/14 12:45	08/29/14 10:28	1
PCB-1268	ND		0.010	0.0027	ug/L		08/26/14 12:45	08/29/14 10:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*60 - 135*	*08/26/14 12:45*	*08/29/14 10:28*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*25 - 150*	*08/26/14 12:45*	*08/29/14 10:28*	*1*

Lab Sample ID: MB 180-116110/1-A
Matrix: Water
Analysis Batch: 116401

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116110

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*60 - 135*	*08/26/14 12:45*	*08/29/14 11:00*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*25 - 150*	*08/26/14 12:45*	*08/29/14 11:00*	*1*

Lab Sample ID: LCS 180-116110/2-A
Matrix: Water
Analysis Batch: 116403

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*87*		*25 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCS 180-116110/2-A
Matrix: Water
Analysis Batch: 116401

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116110

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.00	0.858		ug/L		86	55 - 120		
PCB-1260			1.00	0.815		ug/L		82	55 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*91*		*25 - 150*

Lab Sample ID: 180-36053-5 MS
Matrix: Water
Analysis Batch: 116403

Client Sample ID: MW-10
Prep Type: Total/NA
Prep Batch: 116110

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*88*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*89*		*25 - 150*

Lab Sample ID: 180-36053-5 MS
Matrix: Water
Analysis Batch: 116401

Client Sample ID: MW-10
Prep Type: Total/NA
Prep Batch: 116110

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		1.00	0.892		ug/L		89	55 - 120		
PCB-1260	ND		1.00	0.874		ug/L		87	55 - 120		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*92*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*96*		*25 - 150*

Lab Sample ID: 180-36053-5 MSD
Matrix: Water
Analysis Batch: 116403

Client Sample ID: MW-10
Prep Type: Total/NA
Prep Batch: 116110

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*89*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*89*		*25 - 150*

Lab Sample ID: 180-36053-5 MSD
Matrix: Water
Analysis Batch: 116401

Client Sample ID: MW-10
Prep Type: Total/NA
Prep Batch: 116110

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		1.00	0.900		ug/L		90	55 - 120	1	25
PCB-1260	ND		1.00	0.868		ug/L		87	55 - 120	1	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*88*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*101*		*25 - 150*

QC Association Summary

GC/MS VOA

Analysis Batch: 116303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36053-1 - RA	MW-8	Total/NA	Water	8260C	
180-36053-1	MW-8	Total/NA	Water	8260C	
180-36053-1 MS	MW-8	Total/NA	Water	8260C	
180-36053-1 MSD	MW-8	Total/NA	Water	8260C	
180-36053-2	MW-13	Total/NA	Water	8260C	
180-36053-3	DUP-1	Total/NA	Water	8260C	
180-36053-4	MW-30	Total/NA	Water	8260C	
180-36053-6	EB-1	Total/NA	Water	8260C	
180-36053-12	TB-1	Total/NA	Water	8260C	
LCS 180-116303/10	Lab Control Sample	Total/NA	Water	8260C	
MB 180-116303/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 116723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36053-4 - DL	MW-30	Total/NA	Water	8260C	
LCS 180-116723/10	Lab Control Sample	Total/NA	Water	8260C	
MB 180-116723/7	Method Blank	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 144784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36053-1	MW-8	Total/NA	Water	8015D	
180-36053-1 MS	MW-8	Total/NA	Water	8015D	
180-36053-1 MSD	MW-8	Total/NA	Water	8015D	
180-36053-2	MW-13	Total/NA	Water	8015D	
180-36053-3	DUP-1	Total/NA	Water	8015D	
180-36053-4	MW-30	Total/NA	Water	8015D	
180-36053-6	EB-1	Total/NA	Water	8015D	
LCS 240-144784/6	Lab Control Sample	Total/NA	Water	8015D	
MB 240-144784/5	Method Blank	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 116110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36053-5	MW-10	Total/NA	Water	3510C	
180-36053-5 MS	MW-10	Total/NA	Water	3510C	
180-36053-5 MSD	MW-10	Total/NA	Water	3510C	
180-36053-7	MW-38	Total/NA	Water	3510C	
180-36053-8	EB-2	Total/NA	Water	3510C	
180-36053-9	MW-34	Total/NA	Water	3510C	
180-36053-10	DUP-2	Total/NA	Water	3510C	
180-36053-11	MW-41	Total/NA	Water	3510C	
LCS 180-116110/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 180-116110/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 116401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36053-5	MW-10	Total/NA	Water	8082A	116110

GC Semi VOA (Continued)

Analysis Batch: 116401 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36053-5 MS	MW-10	Total/NA	Water	8082A	116110
180-36053-5 MSD	MW-10	Total/NA	Water	8082A	116110
180-36053-7	MW-38	Total/NA	Water	8082A	116110
180-36053-8	EB-2	Total/NA	Water	8082A	116110
180-36053-9	MW-34	Total/NA	Water	8082A	116110
180-36053-10	DUP-2	Total/NA	Water	8082A	116110
180-36053-11	MW-41	Total/NA	Water	8082A	116110
LCS 180-116110/2-A	Lab Control Sample	Total/NA	Water	8082A	116110
MB 180-116110/1-A	Method Blank	Total/NA	Water	8082A	116110

Analysis Batch: 116403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36053-5	MW-10	Total/NA	Water	8082A	116110
180-36053-5 MS	MW-10	Total/NA	Water	8082A	116110
180-36053-5 MSD	MW-10	Total/NA	Water	8082A	116110
180-36053-7	MW-38	Total/NA	Water	8082A	116110
180-36053-8	EB-2	Total/NA	Water	8082A	116110
180-36053-9	MW-34	Total/NA	Water	8082A	116110
180-36053-10	DUP-2	Total/NA	Water	8082A	116110
180-36053-11	MW-41	Total/NA	Water	8082A	116110
LCS 180-116110/2-A	Lab Control Sample	Total/NA	Water	8082A	116110
MB 180-116110/1-A	Method Blank	Total/NA	Water	8082A	116110

Prep Batch: 144632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36053-1	MW-8	Total/NA	Water	3520C	
180-36053-1 MS	MW-8	Total/NA	Water	3520C	
180-36053-1 MSD	MW-8	Total/NA	Water	3520C	
180-36053-2	MW-13	Total/NA	Water	3520C	
180-36053-3	DUP-1	Total/NA	Water	3520C	
180-36053-4	MW-30	Total/NA	Water	3520C	
180-36053-6	EB-1	Total/NA	Water	3520C	
LCS 240-144632/9-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-144632/8-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 144806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36053-1	MW-8	Total/NA	Water	8015D	144632
180-36053-1 MS	MW-8	Total/NA	Water	8015D	144632
180-36053-1 MSD	MW-8	Total/NA	Water	8015D	144632
180-36053-2	MW-13	Total/NA	Water	8015D	144632
180-36053-3	DUP-1	Total/NA	Water	8015D	144632
180-36053-4	MW-30	Total/NA	Water	8015D	144632
180-36053-6	EB-1	Total/NA	Water	8015D	144632
LCS 240-144632/9-A	Lab Control Sample	Total/NA	Water	8015D	144632
MB 240-144632/8-A	Method Blank	Total/NA	Water	8015D	144632

Prep Batch: 145081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36053-4 - RE	MW-30	Total/NA	Water	3520C	
LCS 240-145081/3-A	Lab Control Sample	Total/NA	Water	3520C	

QC Association Summary

GC Semi VOA (Continued)

Prep Batch: 145081 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-145081/2-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 145338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36053-4 - RE	MW-30	Total/NA	Water	8015D	145081
LCS 240-145081/3-A	Lab Control Sample	Total/NA	Water	8015D	145081
MB 240-145081/2-A	Method Blank	Total/NA	Water	8015D	145081

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

180-36053 Chain of Custody

TestAmerica Laboratories, Inc.

TestAmerica Laboratory location:

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐

COC No: 060259

1 of 2 COCs

Client Contact			
Company Name: Geosyntec Consultants	Client Project Manager: Adam Gray	Site Contact:	
Address: 10220 old Columbia Rd.	Telephone: 410 381 4333	Telephone:	Telephone:
City/State/Zip: Columbia, MD 21046	Email: agray@geosyntec.com	Analysis Turnaround Time (in BUS days)	
Phone: 410 381 4333		TAT if different from below ______	
Project Name: Former Sp[illegible] Moore North	Method of Shipment/Carrier: FedEx	☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day	
Project Number: MN0832	~~Shipping/Tracking No:~~ KWH		
PO# MN0832 -00			

For lab use only: Walk-in client ☐ Lab pickup ☐ Lab sampling ☐ Job/SDG No:

Analyses: KWH

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y / N)	Composite=C / [✓ Grab]	8260C VOCs	8015D GRO	8015D DRO	8082A PCBs	Sample Specific Notes / Special Instructions:
MW-8	8/20/14	10:45		X						5			2		N	G	X	X	X		
MW-8 MS/MSD	8/20/14	10:45		X						10			4		N	G	X	X	X		
MW-13	8/20/14	13:45		X						5			2		N	G	X	X	X		
DUP-1	8/20/14	—		X						5			2		N	G	X	X	X		
MW-30	8/21/14	12:30		X						5			2		N	G	X	X	X		Partial Sample
MW-10	8/21/14	14:30		X									2		N	G				X	
MW-10 MS/MSD	8/21/14	14:30		X									4		N	G				X	
EB-1	8/20/14	15:20		X						5			2		N	G	X	X	X		
MW-38	8/21/14	17:45		X									2		N	G				X	
EB-2	8/21/14	18:25		X									[illegible]		N	G				X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For ______ Months

Special Instructions/QC Requirements & Comments: Shipped via FedEx. Four coolers. Custody Seals: 121044, 121045, 121046, 121047

Relinquished by:	Company: Geosyntec	Date/Time: 8/21/14 17:00	Received by:	Company: TAP	Date/Time: KOB 8/23/14
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TAL 0018- 1 (04/10)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

TestAmerica Laboratory location:

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

COC No: 060258

2 of 2 COCs

Client Contact

Company Name: Geosyntec Consultants

Address: 10220 Old Columbia Rd

City/State/Zip: Columbia, MD 21046

Phone: 410 381 4333

Project Name: Former Sperry Remington North

Project Number: MN0832-20

PO# MN0832-20

Client Project Manager: Adam Gray

Telephone: 410 381 4333

Email: agray@geosyntec.com

Method of Shipment/Carrier: FedEx

Shipping/Tracking No: KwH

Site Contact: KwH

Telephone:

Lab Contact:

Telephone:

Analysis Turnaround Time (in BUS days)

TAT if different from below

☐ 3 weeks

☐ 2 weeks

☐ 1 week

☐ 2 days

☐ 1 day

For lab use only

Walk-in client ☐

Lab pickup ☐

Lab sampling ☐

Job/SDG No:

Sample Identification	Sample Date	Sample Time	Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C / Grab=G	8082A PCBs	8260C VOCs	Sample Specific Notes / Special Instructions:
MW-34	8/22/14	11:45		X									2		N	G	X		
DUP-2	8/22/14	—		X									2		N	G	X		
MW-41	8/22/14	13:40		X									2		N	G	X		
TB-1	8/22/14	—		X						2								X	

KwH

KwH

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal By Lab ☐ Archive For ______ Months

Special Instructions/QC Requirements & Comments: Four coolers shipped via FedEx Custody Seals: 121044, 121045, 121046, 121047

Relinquished by:	Company: Geosyntec	Date/Time: 8/22/14 17:00	Received by:	Company: TAL	Date/Time: 1000 8/23/14
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

©2008 TestAmerica Laboratories, Inc. All rights reserved
TestAmerica & Design ™ are trademarks of TestAmerica Laboratories, Inc.

TAL 0018- 1 (04/10)

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-36053-1

Login Number: 36053

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Watson, Debbie

Question	**Answer**	**Comment**
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

TestAmerica Job ID: 180-36613-1
Client Project/Site: Former Sperry Remington Site - North

For:
Geosyntec Consultants, Inc.
10220 Old Columbia Road
Suite A
Columbia, Maryland 21046

Attn: Mr. Aron Krasnopoler

Authorized for release by:
10/2/2014 5:51:44 PM

David Dunlap, Senior Project Manager
(412)963-2432
dave.dunlap@testamericainc.com

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

Table of Contents

Job ID: 180-36613-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-36613-1

Receipt
The samples were received on 9/12/2014 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9º C.

The VOA vials for sample SSHS-LW contained air bubbles greater than 6 mm in diameter.

GC/MS VOA
Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: SSHS-LW (180-36613-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The laboratory control sample (LCS) for analysis batch 119118 recovered slightly below the control limits for 1,2,3-trichlorobenzene.

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

GC/MS Semi VOA
Method(s) 8270D: Internal standard response of perylene-d12 was above criteria for the following sample: SSHS-SW (180-36613-1). No target compounds were quantitated using this internal standard.

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

GC Semi VOA
Method(s) 8082A: The following sample was diluted to bring the concentration of target analytes within the calibration range: SSHS-SW (180-36613-1). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: The following sample was diluted to bring the concentration of target analytes within the calibration range: SSHS-LW (180-36613-2). Elevated reporting limits (RLs) are provided. The recovery of surrogate decachlorobiphenyl was below the control limits on one column.

Method(s) 8151A: The following sample was diluted due to the nature of the sample matrix : SSHS-LW (180-36613-2). Elevated reporting limits (RLs) are provided.

Method(s) 8081B_LL: The following sample was diluted due to the nature of the sample matrix: SSHS-LW (180-36613-2). Elevated reporting limits (RLs) are provided.

Method(s) 8081B_LL: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 117967 was above the control limits for the following analytes: b-BHC, endosulfan sulfate, endrin aldehyde, endrin ketone, and g-BHC. The recovery of endrin aldehyde was also above the control limits in the LCSD, but was not detected in sample.

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

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

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
X	Surrogate is outside control limits
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	RPD of the LCS and LCSD exceeds the control limits
*	LCS or LCSD exceeds the control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-36613-1

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-15
California	State Program	9	2891	03-31-15
Connecticut	State Program	1	PH-0688	09-30-14 *
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	01-31-15
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-15
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-15
North Carolina (WW/SW)	State Program	4	434	12-31-14
Pennsylvania	NELAP	3	02-00416	04-30-15
South Carolina	State Program	4	89014	04-30-15
Texas	NELAP	6	T104704528	03-31-15
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P330-10-00139	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-15
West Virginia DEP	State Program	3	142	01-31-15

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-15
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-15

* Certification renewal pending - certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-36613-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-36613-1	SSHS-SW	Solid	09/11/14 12:30	09/12/14 09:00
180-36613-2	SSHS-LW	Water	09/11/14 13:30	09/12/14 09:00

Method Summary

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
8260C	Volatile Organic Compounds (GC/MS)	SW846	TAL PIT
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PIT
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PIT
8015D	Diesel Range Organics (DRO) (GC)	SW846	TAL CAN
8081B	Organochlorine Pesticides (GC)	SW846	TAL PIT
8081B_LL	Organochlorine Pesticides (GC)	SW846	TAL PIT
8082A	Polychlorinated Biphenyls (PCBs) (GC)	SW846	TAL PIT
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
8151A	Herbicides (GC)	SW846	TAL PIT
6010C	Metals (ICP)	SW846	TAL PIT
7470A	Mercury (CVAA)	SW846	TAL PIT
1010A	Ignitability, Pensky-Martens Closed Cup Method	SW846	TAL PIT
1020B	Ignitability, Small Scale Closed-Cup Method	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
9014	Cyanide	SW846	TAL PIT
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	TAL PIT
9040C	pH	SW846	TAL PIT
9045D	pH	SW846	TAL PIT

Protocol References:

SM22 = SM22

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-36613-1

Client Sample ID: SSHS-SW
Date Collected: 09/11/14 12:30
Date Received: 09/12/14 09:00

Lab Sample ID: 180-36613-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			25.0 g	500 mL	118704	09/19/14 15:44	JWS	TAL PIT
TCLP	Analysis	8260C		1	0.125 mL	5 mL	118947	09/23/14 15:15	PJJ	TAL PIT
	Instrument ID: CHHP7									
TCLP	Leach	1311			100.13 g	2000 mL	118112	09/15/14 14:29	JWS	TAL PIT
TCLP	Prep	3510C			200 mL	10.0 mL	118263	09/16/14 15:30	CBY	TAL PIT
TCLP	Analysis	8270D		1	200 mL	10.0 mL	118270	09/17/14 08:14	FBB	TAL PIT
	Instrument ID: CH722									
Total/NA	Prep	3546			10.05 g	5 mL	147940	09/22/14 08:08	CSC	TAL CAN
Total/NA	Analysis	8015D		1	10.05 g	5 mL	148150	09/23/14 11:52	DEB	TAL CAN
	Instrument ID: A2HP5F									
TCLP	Leach	1311			100.13 g	2000 mL	118112	09/15/14 14:29	JWS	TAL PIT
TCLP	Prep	3510C			100 mL	40.0 mL	118262	09/16/14 14:30	CBY	TAL PIT
TCLP	Analysis	8081B		1	100 mL	40.0 mL	118333	09/17/14 13:54	DFE	TAL PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3541			15.3 g	20.0 mL	118148	09/16/14 06:08	BAP	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	118447	09/18/14 06:18	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	118448	09/18/14 06:19	JMO	TAL PIT
Total/NA	Analysis	8082A		10	15.3 g	20.0 mL	118698	09/19/14 16:33	AKG	TAL PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3541			15.3 g	20.0 mL	118148	09/16/14 06:08	BAP	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	118447	09/18/14 06:18	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	118448	09/18/14 06:19	JMO	TAL PIT
Total/NA	Analysis	8082A		10	15.3 g	20.0 mL	118691	09/19/14 16:33	AKG	TAL PIT
	Instrument ID: CHGC8_R									
TCLP	Leach	1311			100.13 g	2000 mL	118112	09/15/14 14:29	JWS	TAL PIT
TCLP	Prep	8151A			100 mL	10.0 mL	118266	09/16/14 16:30	CBY	TAL PIT
TCLP	Analysis	8151A		20	100 mL	10.0 mL	118363	09/17/14 13:07	JMO	TAL PIT
	Instrument ID: CGC1									
TCLP	Leach	1311			100.13 g	2000 mL	118112	09/15/14 14:29	JWS	TAL PIT
TCLP	Prep	3010A			5 mL	50 mL	118292	09/17/14 06:43	SLB	TAL PIT
TCLP	Analysis	6010C		1	5 mL	50 mL	118566	09/18/14 11:24	RJR	TAL PIT
	Instrument ID: C									
TCLP	Leach	1311			100.13 g	2000 mL	118112	09/15/14 14:29	JWS	TAL PIT
TCLP	Prep	7470A			50 mL	50 mL	118343	09/17/14 09:11	LEM	TAL PIT
TCLP	Analysis	7470A		1	50 mL	50 mL	118411	09/17/14 15:18	LEM	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	1020B		1		1 g	118387	09/17/14 13:19	MEB	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	2540G		1			118226	09/16/14 12:45	AB1	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Prep	9010C			1.00 g	50 mL	118519	09/18/14 10:20	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.00 g	50 mL	118565	09/18/14 12:45	PGJ	TAL PIT
	Instrument ID: KONELAB1									
Total/NA	Prep	9030B			5.01 g	50 mL	118345	09/17/14 09:37	MEB	TAL PIT

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-36613-1

Client Sample ID: SSHS-SW

Lab Sample ID: 180-36613-1

Date Collected: 09/11/14 12:30
Date Received: 09/12/14 09:00

Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9034		1	5.01 g	50 mL	118406	09/17/14 14:41	MEB	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	9045D		1	20 g	20 mL	118999	09/23/14 13:48	NAK	TAL PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SSHS-LW

Lab Sample ID: 180-36613-2

Date Collected: 09/11/14 13:30
Date Received: 09/12/14 09:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5000	5 mL	5 mL	119118	09/24/14 20:53	DLF	TAL PIT
	Instrument ID:	CHHP5								
Total/NA	Prep	3520C			240 mL	0.25 mL	118331	09/17/14 08:41	BJT	TAL PIT
Total/NA	Analysis	8270D LL		1	240 mL	0.25 mL	118469	09/18/14 21:52	VVP	TAL PIT
	Instrument ID:	CH731								
Total/NA	Prep	3520C			1050 mL	5 mL	147529	09/18/14 07:49	CSC	TAL CAN
Total/NA	Analysis	8015D		1	1050 mL	5 mL	148041	09/22/14 19:01	DEB	TAL CAN
	Instrument ID:	A2HP5F								
Total/NA	Prep	3510C			1040 mL	1.0 mL	117967	09/13/14 12:15	CBY	TAL PIT
Total/NA	Analysis	8081B_LL		20	1040 mL	1.0 mL	118520	09/18/14 16:04	DFE	TAL PIT
	Instrument ID:	CHGC15								
Total/NA	Prep	3510C			1040 mL	1.0 mL	117967	09/13/14 12:15	CBY	TAL PIT
Total/NA	Analysis	8082A		10	1040 mL	1.0 mL	118504	09/18/14 16:55	AKG	TAL PIT
	Instrument ID:	CHGC8								
Total/NA	Prep	3510C			1040 mL	1.0 mL	117967	09/13/14 12:15	CBY	TAL PIT
Total/NA	Analysis	8082A		10	1040 mL	1.0 mL	118509	09/18/14 17:28	AKG	TAL PIT
	Instrument ID:	CHGC8_R								
Total/NA	Prep	8151A			1030 mL	10.0 mL	117974	09/13/14 15:06	CBY	TAL PIT
Total/NA	Analysis	8151A		40	1030 mL	10.0 mL	118190	09/16/14 12:56	JMO	TAL PIT
	Instrument ID:	CGC1								
Total Recoverable	Prep	3005A			50 mL	50 mL	118031	09/15/14 06:13	SLB	TAL PIT
Total Recoverable	Analysis	6010C		1	50 mL	50 mL	118659	09/19/14 11:44	RJR	TAL PIT
	Instrument ID:	C								
Total/NA	Prep	7470A			50 mL	50 mL	118057	09/15/14 09:30	LEM	TAL PIT
Total/NA	Analysis	7470A		1	50 mL	50 mL	118114	09/15/14 12:13	LEM	TAL PIT
	Instrument ID:	K								
Total/NA	Analysis	1010A		1	70 mL	70 mL	119199	09/24/14 11:28	AB1	TAL PIT
	Instrument ID:	NOEQUIP								
Total/NA	Prep	9010C			50 mL	50 mL	118818	09/22/14 08:10	CLL	TAL PIT
Total/NA	Analysis	9014		1	50 mL	50 mL	118981	09/23/14 09:44	CLL	TAL PIT
	Instrument ID:	KONELAB1								
Total/NA	Prep	9030B			50 mL	50 mL	118178	09/16/14 09:04	MEB	TAL PIT
Total/NA	Analysis	9034		1	50 mL	50 mL	118239	09/16/14 14:33	MEB	TAL PIT
	Instrument ID:	NOEQUIP								

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-36613-1

Client Sample ID: SSHS-LW

Date Collected: 09/11/14 13:30

Date Received: 09/12/14 09:00

Lab Sample ID: 180-36613-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9040C		1		30 mL	118886	09/22/14 14:42	AB1	TAL PIT
	Instrument ID:	NOEQUIP								

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL CAN

Batch Type: Prep

CSC = Chris Coast

Batch Type: Analysis

DEB = Deborah Bolgrin

Lab: TAL PIT

Batch Type: Cleanup

JMO = John Oravec

JWS = Jim Swanson

Batch Type: Prep

BAP = Brian Pino

BJT = Bill Trout

CBY = Charles Yushinski

CLL = Cheryl Loheyde

LEM = Lauren McGrath

MEB = Michael Bucklaw

PGJ = Paul Johnson

SLB = Sandy Becker

Batch Type: Analysis

AB1 = Ashwin Baikadi

AKG = Ashok Gupta

CLL = Cheryl Loheyde

DFE = David Eppinger

DLF = Donald Ferguson

FBB = Frank Bungard

JMO = John Oravec

LEM = Lauren McGrath

MEB = Michael Bucklaw

NAK = Neil Klingman

PGJ = Paul Johnson

PJJ = Patrick Journet

RJR = Ron Rosenbaum

VVP = Vincent Piccolino

Client Sample Results

Client Sample ID: SSHS-SW

Lab Sample ID: 180-36613-1

Date Collected: 09/11/14 12:30

Matrix: Solid

Date Received: 09/12/14 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.20	0.038	mg/L			09/23/14 15:15	1
2-Butanone (MEK)	ND		0.20	0.043	mg/L			09/23/14 15:15	1
Benzene	ND		0.20	0.040	mg/L			09/23/14 15:15	1
Carbon tetrachloride	ND		0.20	0.043	mg/L			09/23/14 15:15	1
Chlorobenzene	ND		0.20	0.021	mg/L			09/23/14 15:15	1
Chloroform	ND		0.20	0.040	mg/L			09/23/14 15:15	1
Tetrachloroethene	ND		0.20	0.033	mg/L			09/23/14 15:15	1
Trichloroethene	ND		0.20	0.032	mg/L			09/23/14 15:15	1
Vinyl chloride	ND		0.20	0.052	mg/L			09/23/14 15:15	1
1,1-Dichloroethene	ND		0.20	0.043	mg/L			09/23/14 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*62 - 123*		*09/23/14 15:15*	*1*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*		*09/23/14 15:15*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*09/23/14 15:15*	*1*
Toluene-d8 (Surr)	*85*		*80 - 120*		*09/23/14 15:15*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0012	mg/L		09/16/14 15:30	09/17/14 08:14	1
2,4,5-Trichlorophenol	ND		0.050	0.0013	mg/L		09/16/14 15:30	09/17/14 08:14	1
2,4,6-Trichlorophenol	ND		0.050	0.0011	mg/L		09/16/14 15:30	09/17/14 08:14	1
2,4-Dinitrotoluene	ND		0.050	0.0010	mg/L		09/16/14 15:30	09/17/14 08:14	1
2-Methylphenol	ND		0.050	0.0014	mg/L		09/16/14 15:30	09/17/14 08:14	1
Methylphenol, 3 & 4	ND		0.050	0.0027	mg/L		09/16/14 15:30	09/17/14 08:14	1
Hexachlorobenzene	ND		0.050	0.0011	mg/L		09/16/14 15:30	09/17/14 08:14	1
Hexachlorobutadiene	ND		0.050	0.0013	mg/L		09/16/14 15:30	09/17/14 08:14	1
Hexachloroethane	ND		0.050	0.0013	mg/L		09/16/14 15:30	09/17/14 08:14	1
Nitrobenzene	ND		0.050	0.0013	mg/L		09/16/14 15:30	09/17/14 08:14	1
Pentachlorophenol	ND		0.25	0.0022	mg/L		09/16/14 15:30	09/17/14 08:14	1
Pyridine	ND		0.10	0.00083	mg/L		09/16/14 15:30	09/17/14 08:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*35 - 115*	*09/16/14 15:30*	*09/17/14 08:14*	*1*
2-Fluorophenol (Surr)	*75*		*20 - 110*	*09/16/14 15:30*	*09/17/14 08:14*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*19 - 138*	*09/16/14 15:30*	*09/17/14 08:14*	*1*
Nitrobenzene-d5 (Surr)	*80*		*39 - 115*	*09/16/14 15:30*	*09/17/14 08:14*	*1*
Phenol-d5 (Surr)	*67*		*30 - 118*	*09/16/14 15:30*	*09/17/14 08:14*	*1*
Terphenyl-d14 (Surr)	*70*		*30 - 143*	*09/16/14 15:30*	*09/17/14 08:14*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	**270**		55	12	mg/Kg	☼	09/22/14 08:08	09/23/14 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*40 - 160*	*09/22/14 08:08*	*09/23/14 11:52*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0050	0.00066	mg/L		09/16/14 14:30	09/17/14 13:54	1
Endrin	ND		0.00050	0.00039	mg/L		09/16/14 14:30	09/17/14 13:54	1

Client Sample ID: SSHS-SW
Lab Sample ID: 180-36613-1
Date Collected: 09/11/14 12:30
Matrix: Solid
Date Received: 09/12/14 09:00

Method: 8081B - Organochlorine Pesticides (GC) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00050	0.00032	mg/L		09/16/14 14:30	09/17/14 13:54	1
Heptachlor	ND		0.00050	0.00040	mg/L		09/16/14 14:30	09/17/14 13:54	1
Heptachlor epoxide	ND		0.00050	0.00039	mg/L		09/16/14 14:30	09/17/14 13:54	1
Methoxychlor	ND		0.0010	0.00037	mg/L		09/16/14 14:30	09/17/14 13:54	1
Toxaphene	ND		0.020	0.0074	mg/L		09/16/14 14:30	09/17/14 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*102*		*45 - 140*	*09/16/14 14:30*	*09/17/14 13:54*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*45 - 140*	*09/16/14 14:30*	*09/17/14 13:54*	*1*
Tetrachloro-m-xylene	*93*		*45 - 140*	*09/16/14 14:30*	*09/17/14 13:54*	*1*
Tetrachloro-m-xylene	*89*		*45 - 140*	*09/16/14 14:30*	*09/17/14 13:54*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1268	ND		180	23	ug/Kg	☼	09/16/14 06:08	09/19/14 16:33	10
PCB-1262	ND		180	39	ug/Kg	☼	09/16/14 06:08	09/19/14 16:33	10
PCB-1260	ND		180	26	ug/Kg	☼	09/16/14 06:08	09/19/14 16:33	10
PCB-1254	ND		180	26	ug/Kg	☼	09/16/14 06:08	09/19/14 16:33	10
PCB-1248	**6300**		180	17	ug/Kg	☼	09/16/14 06:08	09/19/14 16:33	10
PCB-1242	ND		180	29	ug/Kg	☼	09/16/14 06:08	09/19/14 16:33	10
PCB-1232	ND		180	31	ug/Kg	☼	09/16/14 06:08	09/19/14 16:33	10
PCB-1221	ND		180	34	ug/Kg	☼	09/16/14 06:08	09/19/14 16:33	10
PCB-1016	ND		180	27	ug/Kg	☼	09/16/14 06:08	09/19/14 16:33	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*65*		*45 - 125*	*09/16/14 06:08*	*09/19/14 16:33*	*10*
DCB Decachlorobiphenyl (Surr)	*85*		*45 - 125*	*09/16/14 06:08*	*09/19/14 16:33*	*10*
Tetrachloro-m-xylene (Surr)	*75*		*45 - 135*	*09/16/14 06:08*	*09/19/14 16:33*	*10*
Tetrachloro-m-xylene (Surr)	*96*		*45 - 135*	*09/16/14 06:08*	*09/19/14 16:33*	*10*

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		0.040	0.0045	mg/L		09/16/14 16:30	09/17/14 13:07	20
Silvex (2,4,5-TP)	ND		0.010	0.0011	mg/L		09/16/14 16:30	09/17/14 13:07	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*81*		*32 - 140*	*09/16/14 16:30*	*09/17/14 13:07*	*20*
2,4-Dichlorophenylacetic acid	*82*		*32 - 140*	*09/16/14 16:30*	*09/17/14 13:07*	*20*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.0027	mg/L		09/17/14 06:43	09/18/14 11:24	1
Arsenic	ND		0.50	0.030	mg/L		09/17/14 06:43	09/18/14 11:24	1
Barium	**0.91**	**J B**	2.0	0.0019	mg/L		09/17/14 06:43	09/18/14 11:24	1
Cadmium	**0.0029**	**J**	0.50	0.0017	mg/L		09/17/14 06:43	09/18/14 11:24	1
Chromium	ND		0.50	0.010	mg/L		09/17/14 06:43	09/18/14 11:24	1
Lead	**0.044**	**J**	0.50	0.015	mg/L		09/17/14 06:43	09/18/14 11:24	1
Selenium	**0.019**	**J**	0.50	0.017	mg/L		09/17/14 06:43	09/18/14 11:24	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-36613-1

Client Sample ID: SSHS-SW

Lab Sample ID: 180-36613-1

Date Collected: 09/11/14 12:30

Matrix: Solid

Date Received: 09/12/14 09:00

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000038	mg/L		09/17/14 09:11	09/17/14 15:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability	**>140**				Degrees F			09/17/14 13:19	1
Percent Moisture	**9.2**		0.10	0.10	%			09/16/14 12:45	1
Percent Solids	**91**		0.10	0.10	%			09/16/14 12:45	1
Cyanide, Total	**1.7**		0.55	0.16	mg/Kg	☼	09/18/14 10:20	09/18/14 12:45	1
Sulfide	ND		33	6.6	mg/Kg	☼	09/17/14 09:37	09/17/14 14:41	1
pH	**8.02**	**H**	0.100	0.100	SU			09/23/14 13:48	1

Client Sample ID: SSHS-LW

Lab Sample ID: 180-36613-2

Date Collected: 09/11/14 13:30

Matrix: Water

Date Received: 09/12/14 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**220000**		25000	13000	ug/L			09/24/14 20:53	5000
Benzene	ND		5000	530	ug/L			09/24/14 20:53	5000
Bromoform	ND		5000	960	ug/L			09/24/14 20:53	5000
Bromomethane	ND		5000	1600	ug/L			09/24/14 20:53	5000
2-Butanone (MEK)	ND		25000	2700	ug/L			09/24/14 20:53	5000
Carbon disulfide	ND		5000	1100	ug/L			09/24/14 20:53	5000
Carbon tetrachloride	ND		5000	680	ug/L			09/24/14 20:53	5000
Chlorobenzene	ND		5000	680	ug/L			09/24/14 20:53	5000
Chlorobromomethane	ND		5000	900	ug/L			09/24/14 20:53	5000
Chlorodibromomethane	ND		5000	680	ug/L			09/24/14 20:53	5000
Chloroethane	ND		5000	1100	ug/L			09/24/14 20:53	5000
Chloroform	ND		5000	850	ug/L			09/24/14 20:53	5000
Chloromethane	ND		5000	1400	ug/L			09/24/14 20:53	5000
cis-1,2-Dichloroethene	ND		5000	1200	ug/L			09/24/14 20:53	5000
cis-1,3-Dichloropropene	ND		5000	930	ug/L			09/24/14 20:53	5000
Cyclohexane	ND		5000	1300	ug/L			09/24/14 20:53	5000
1,2-Dibromo-3-Chloropropane	ND		5000	700	ug/L			09/24/14 20:53	5000
1,2-Dibromoethane	ND		5000	900	ug/L			09/24/14 20:53	5000
1,2-Dichlorobenzene	ND		5000	760	ug/L			09/24/14 20:53	5000
1,3-Dichlorobenzene	ND		5000	530	ug/L			09/24/14 20:53	5000
1,4-Dichlorobenzene	ND		5000	1000	ug/L			09/24/14 20:53	5000
Dichlorobromomethane	ND		5000	650	ug/L			09/24/14 20:53	5000
Dichlorodifluoromethane	ND		5000	960	ug/L			09/24/14 20:53	5000
1,1-Dichloroethane	ND		5000	580	ug/L			09/24/14 20:53	5000
1,2-Dichloroethane	ND		5000	1100	ug/L			09/24/14 20:53	5000
1,1-Dichloroethene	ND		5000	1500	ug/L			09/24/14 20:53	5000
1,2-Dichloropropane	ND		5000	470	ug/L			09/24/14 20:53	5000
1,4-Dioxane	ND		1000000	170000	ug/L			09/24/14 20:53	5000
Ethylbenzene	ND		5000	1100	ug/L			09/24/14 20:53	5000
2-Hexanone	ND		25000	800	ug/L			09/24/14 20:53	5000
Isopropylbenzene	ND		5000	820	ug/L			09/24/14 20:53	5000
Methyl acetate	ND		5000	690	ug/L			09/24/14 20:53	5000
Methylcyclohexane	ND		5000	1300	ug/L			09/24/14 20:53	5000

Client Sample ID: SSHS-LW **Lab Sample ID: 180-36613-2**
Date Collected: 09/11/14 13:30 **Matrix: Water**
Date Received: 09/12/14 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5000	630	ug/L			09/24/14 20:53	5000
4-Methyl-2-pentanone (MIBK)	ND		25000	2600	ug/L			09/24/14 20:53	5000
Methyl tert-butyl ether	ND		5000	920	ug/L			09/24/14 20:53	5000
m-Xylene & p-Xylene	ND		10000	2000	ug/L			09/24/14 20:53	5000
o-Xylene	ND		5000	550	ug/L			09/24/14 20:53	5000
Styrene	ND		5000	480	ug/L			09/24/14 20:53	5000
1,1,2,2-Tetrachloroethane	ND		5000	1000	ug/L			09/24/14 20:53	5000
Tetrachloroethene	ND		5000	740	ug/L			09/24/14 20:53	5000
Toluene	ND		5000	750	ug/L			09/24/14 20:53	5000
trans-1,2-Dichloroethene	ND		5000	850	ug/L			09/24/14 20:53	5000
trans-1,3-Dichloropropene	ND		5000	740	ug/L			09/24/14 20:53	5000
1,2,3-Trichlorobenzene	ND	*	5000	770	ug/L			09/24/14 20:53	5000
1,2,4-Trichlorobenzene	ND		5000	1400	ug/L			09/24/14 20:53	5000
1,1,1-Trichloroethane	ND		5000	1400	ug/L			09/24/14 20:53	5000
1,1,2-Trichloroethane	ND		5000	1000	ug/L			09/24/14 20:53	5000
Trichloroethene	ND		5000	720	ug/L			09/24/14 20:53	5000
Trichlorofluoromethane	ND		5000	990	ug/L			09/24/14 20:53	5000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5000	1600	ug/L			09/24/14 20:53	5000
Vinyl chloride	ND		5000	1100	ug/L			09/24/14 20:53	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 118*		*09/24/14 20:53*	*5000*
Dibromofluoromethane (Surr)	*124*		*70 - 128*		*09/24/14 20:53*	*5000*
1,2-Dichloroethane-d4 (Surr)	*115*		*64 - 135*		*09/24/14 20:53*	*5000*
Toluene-d8 (Surr)	*112*		*71 - 118*		*09/24/14 20:53*	*5000*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.21	0.030	ug/L		09/17/14 08:41	09/18/14 21:52	1
Acenaphthylene	ND		0.21	0.022	ug/L		09/17/14 08:41	09/18/14 21:52	1
Acetophenone	**0.35**	**J**	2.1	0.12	ug/L		09/17/14 08:41	09/18/14 21:52	1
Anthracene	ND		0.21	0.020	ug/L		09/17/14 08:41	09/18/14 21:52	1
Atrazine	ND		2.1	0.23	ug/L		09/17/14 08:41	09/18/14 21:52	1
Benzaldehyde	**0.37**	**J**	2.1	0.11	ug/L		09/17/14 08:41	09/18/14 21:52	1
Benzo[a]anthracene	**1.1**		0.21	0.038	ug/L		09/17/14 08:41	09/18/14 21:52	1
Benzo[a]pyrene	ND		0.21	0.029	ug/L		09/17/14 08:41	09/18/14 21:52	1
Benzo[b]fluoranthene	ND		0.21	0.051	ug/L		09/17/14 08:41	09/18/14 21:52	1
Benzo[g,h,i]perylene	ND		0.21	0.030	ug/L		09/17/14 08:41	09/18/14 21:52	1
Benzo[k]fluoranthene	ND		0.21	0.031	ug/L		09/17/14 08:41	09/18/14 21:52	1
1,1'-Biphenyl	ND		1.0	0.11	ug/L		09/17/14 08:41	09/18/14 21:52	1
Bis(2-chloroethoxy)methane	ND		1.0	0.14	ug/L		09/17/14 08:41	09/18/14 21:52	1
Bis(2-chloroethyl)ether	ND		1.0	0.033	ug/L		09/17/14 08:41	09/18/14 21:52	1
Bis(2-ethylhexyl) phthalate	**19**		2.1	0.46	ug/L		09/17/14 08:41	09/18/14 21:52	1
4-Bromophenyl phenyl ether	ND		1.0	0.12	ug/L		09/17/14 08:41	09/18/14 21:52	1
Butyl benzyl phthalate	**12**		1.0	0.22	ug/L		09/17/14 08:41	09/18/14 21:52	1
Caprolactam	ND		5.2	1.5	ug/L		09/17/14 08:41	09/18/14 21:52	1
Carbazole	ND		1.0	0.028	ug/L		09/17/14 08:41	09/18/14 21:52	1
4-Chloroaniline	ND		1.0	0.30	ug/L		09/17/14 08:41	09/18/14 21:52	1
4-Chloro-3-methylphenol	ND		1.0	0.18	ug/L		09/17/14 08:41	09/18/14 21:52	1
2-Chloronaphthalene	ND		0.21	0.032	ug/L		09/17/14 08:41	09/18/14 21:52	1

Client Sample ID: SSHS-LW

Lab Sample ID: 180-36613-2

Date Collected: 09/11/14 13:30

Matrix: Water

Date Received: 09/12/14 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		1.0	0.23	ug/L		09/17/14 08:41	09/18/14 21:52	1
4-Chlorophenyl phenyl ether	ND		1.0	0.083	ug/L		09/17/14 08:41	09/18/14 21:52	1
Chrysene	**1.8**		0.21	0.032	ug/L		09/17/14 08:41	09/18/14 21:52	1
Dibenz(a,h)anthracene	ND		0.21	0.028	ug/L		09/17/14 08:41	09/18/14 21:52	1
Dibenzofuran	ND		1.0	0.10	ug/L		09/17/14 08:41	09/18/14 21:52	1
3,3'-Dichlorobenzidine	ND		1.0	0.15	ug/L		09/17/14 08:41	09/18/14 21:52	1
2,4-Dichlorophenol	ND		1.0	0.070	ug/L		09/17/14 08:41	09/18/14 21:52	1
Diethyl phthalate	ND		1.0	0.31	ug/L		09/17/14 08:41	09/18/14 21:52	1
2,4-Dimethylphenol	ND		1.0	0.18	ug/L		09/17/14 08:41	09/18/14 21:52	1
Dimethyl phthalate	ND		1.0	0.19	ug/L		09/17/14 08:41	09/18/14 21:52	1
Di-n-butyl phthalate	**2.7**		1.0	0.25	ug/L		09/17/14 08:41	09/18/14 21:52	1
4,6-Dinitro-2-methylphenol	ND		5.2	1.6	ug/L		09/17/14 08:41	09/18/14 21:52	1
2,4-Dinitrophenol	ND		5.2	2.6	ug/L		09/17/14 08:41	09/18/14 21:52	1
2,4-Dinitrotoluene	ND		1.0	0.22	ug/L		09/17/14 08:41	09/18/14 21:52	1
2,6-Dinitrotoluene	ND		1.0	0.14	ug/L		09/17/14 08:41	09/18/14 21:52	1
Di-n-octyl phthalate	ND		1.0	0.21	ug/L		09/17/14 08:41	09/18/14 21:52	1
1,4-Dioxane	ND		2.1	0.055	ug/L		09/17/14 08:41	09/18/14 21:52	1
Fluoranthene	**0.88**		0.21	0.022	ug/L		09/17/14 08:41	09/18/14 21:52	1
Fluorene	ND		0.21	0.025	ug/L		09/17/14 08:41	09/18/14 21:52	1
Hexachlorobenzene	ND		1.0	0.064	ug/L		09/17/14 08:41	09/18/14 21:52	1
Hexachlorobutadiene	ND		1.0	0.098	ug/L		09/17/14 08:41	09/18/14 21:52	1
Hexachlorocyclopentadiene	ND		1.0	0.14	ug/L		09/17/14 08:41	09/18/14 21:52	1
Hexachloroethane	ND		1.0	0.14	ug/L		09/17/14 08:41	09/18/14 21:52	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.045	ug/L		09/17/14 08:41	09/18/14 21:52	1
Isophorone	ND		1.0	0.077	ug/L		09/17/14 08:41	09/18/14 21:52	1
2-Methylnaphthalene	**0.18**	**J**	0.21	0.020	ug/L		09/17/14 08:41	09/18/14 21:52	1
2-Methylphenol	ND		1.0	0.19	ug/L		09/17/14 08:41	09/18/14 21:52	1
Methylphenol, 3 & 4	ND		1.0	0.22	ug/L		09/17/14 08:41	09/18/14 21:52	1
Naphthalene	**0.24**		0.21	0.024	ug/L		09/17/14 08:41	09/18/14 21:52	1
2-Nitroaniline	ND		5.2	0.70	ug/L		09/17/14 08:41	09/18/14 21:52	1
3-Nitroaniline	ND		5.2	0.84	ug/L		09/17/14 08:41	09/18/14 21:52	1
4-Nitroaniline	ND		5.2	0.81	ug/L		09/17/14 08:41	09/18/14 21:52	1
Nitrobenzene	ND		2.1	0.16	ug/L		09/17/14 08:41	09/18/14 21:52	1
2-Nitrophenol	ND		1.0	0.12	ug/L		09/17/14 08:41	09/18/14 21:52	1
4-Nitrophenol	ND		5.2	0.84	ug/L		09/17/14 08:41	09/18/14 21:52	1
N-Nitrosodi-n-propylamine	ND		1.0	0.052	ug/L		09/17/14 08:41	09/18/14 21:52	1
N-Nitrosodiphenylamine	ND		1.0	0.13	ug/L		09/17/14 08:41	09/18/14 21:52	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.025	ug/L		09/17/14 08:41	09/18/14 21:52	1
Pentachlorophenol	ND		1.0	0.52	ug/L		09/17/14 08:41	09/18/14 21:52	1
Phenanthrene	ND		0.21	0.043	ug/L		09/17/14 08:41	09/18/14 21:52	1
Phenol	ND		1.0	0.058	ug/L		09/17/14 08:41	09/18/14 21:52	1
Pyrene	**1.6**		0.21	0.024	ug/L		09/17/14 08:41	09/18/14 21:52	1
Pyridine	ND		1.0	0.31	ug/L		09/17/14 08:41	09/18/14 21:52	1
1,2,4,5-Tetrachlorobenzene	ND		1.0	0.080	ug/L		09/17/14 08:41	09/18/14 21:52	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.11	ug/L		09/17/14 08:41	09/18/14 21:52	1
2,4,5-Trichlorophenol	ND		1.0	0.13	ug/L		09/17/14 08:41	09/18/14 21:52	1
2,4,6-Trichlorophenol	ND		1.0	0.31	ug/L		09/17/14 08:41	09/18/14 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*30 - 150*	*09/17/14 08:41*	*09/18/14 21:52*	*1*

Client Sample ID: SSHS-LW
Lab Sample ID: 180-36613-2
Date Collected: 09/11/14 13:30
Matrix: Water
Date Received: 09/12/14 09:00

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*37*		*30 - 150*	*09/17/14 08:41*	*09/18/14 21:52*	*1*
Nitrobenzene-d5 (Surr)	*75*		*30 - 150*	*09/17/14 08:41*	*09/18/14 21:52*	*1*
Phenol-d5 (Surr)	*35*		*30 - 150*	*09/17/14 08:41*	*09/18/14 21:52*	*1*
Terphenyl-d14 (Surr)	*65*		*10 - 150*	*09/17/14 08:41*	*09/18/14 21:52*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*30 - 150*	*09/17/14 08:41*	*09/18/14 21:52*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	**2000**		480	100	ug/L		09/18/14 07:49	09/22/14 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*63*		*40 - 160*	*09/18/14 07:49*	*09/22/14 19:01*	*1*

Method: 8081B_LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.025	0.016	ug/L		09/13/14 12:15	09/18/14 16:04	20
alpha-BHC	ND		0.025	0.013	ug/L		09/13/14 12:15	09/18/14 16:04	20
alpha-Chlordane	ND		0.025	0.019	ug/L		09/13/14 12:15	09/18/14 16:04	20
beta-BHC	ND		0.025	0.019	ug/L		09/13/14 12:15	09/18/14 16:04	20
4,4'-DDD	**0.018**	**J p**	0.025	0.013	ug/L		09/13/14 12:15	09/18/14 16:04	20
4,4'-DDE	ND		0.025	0.015	ug/L		09/13/14 12:15	09/18/14 16:04	20
4,4'-DDT	ND		0.025	0.014	ug/L		09/13/14 12:15	09/18/14 16:04	20
delta-BHC	ND		0.025	0.0073	ug/L		09/13/14 12:15	09/18/14 16:04	20
Dieldrin	ND		0.025	0.016	ug/L		09/13/14 12:15	09/18/14 16:04	20
Endosulfan I	ND		0.025	0.018	ug/L		09/13/14 12:15	09/18/14 16:04	20
Endosulfan II	ND		0.025	0.019	ug/L		09/13/14 12:15	09/18/14 16:04	20
Endosulfan sulfate	ND		0.025	0.011	ug/L		09/13/14 12:15	09/18/14 16:04	20
Endrin	**0.031**	**p**	0.025	0.018	ug/L		09/13/14 12:15	09/18/14 16:04	20
Endrin aldehyde	ND		0.025	0.017	ug/L		09/13/14 12:15	09/18/14 16:04	20
Endrin ketone	**0.019**	**J p**	0.025	0.018	ug/L		09/13/14 12:15	09/18/14 16:04	20
Chlordane (technical)	ND		0.24	0.032	ug/L		09/13/14 12:15	09/18/14 16:04	20
gamma-BHC (Lindane)	ND		0.025	0.015	ug/L		09/13/14 12:15	09/18/14 16:04	20
gamma-Chlordane	**0.11**	**p**	0.025	0.018	ug/L		09/13/14 12:15	09/18/14 16:04	20
Heptachlor	ND		0.025	0.019	ug/L		09/13/14 12:15	09/18/14 16:04	20
Heptachlor epoxide	**0.20**		0.025	0.019	ug/L		09/13/14 12:15	09/18/14 16:04	20
Methoxychlor	ND		0.048	0.018	ug/L		09/13/14 12:15	09/18/14 16:04	20
Toxaphene	ND		1.9	0.36	ug/L		09/13/14 12:15	09/18/14 16:04	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*107*	*D*	*45 - 122*	*09/13/14 12:15*	*09/18/14 16:04*	*20*
DCB Decachlorobiphenyl (Surr)	*115*	*D*	*45 - 122*	*09/13/14 12:15*	*09/18/14 16:04*	*20*
Tetrachloro-m-xylene	*97*	*D*	*60 - 111*	*09/13/14 12:15*	*09/18/14 16:04*	*20*
Tetrachloro-m-xylene	*80*	*D*	*60 - 111*	*09/13/14 12:15*	*09/18/14 16:04*	*20*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.096	0.024	ug/L		09/13/14 12:15	09/18/14 17:28	10
PCB-1221	ND		0.096	0.024	ug/L		09/13/14 12:15	09/18/14 17:28	10
PCB-1232	ND		0.096	0.028	ug/L		09/13/14 12:15	09/18/14 17:28	10
PCB-1242	ND		0.096	0.018	ug/L		09/13/14 12:15	09/18/14 17:28	10

Client Sample Results

Client Sample ID: SSHS-LW

Lab Sample ID: 180-36613-2
Date Collected: 09/11/14 13:30
Matrix: Water
Date Received: 09/12/14 09:00

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	**9.5**		0.096	0.022	ug/L		09/13/14 12:15	09/18/14 17:28	10
PCB-1254	ND		0.096	0.022	ug/L		09/13/14 12:15	09/18/14 17:28	10
PCB-1260	**0.50**		0.096	0.013	ug/L		09/13/14 12:15	09/18/14 17:28	10
PCB-1262	ND		0.096	0.020	ug/L		09/13/14 12:15	09/18/14 17:28	10
PCB-1268	ND		0.096	0.026	ug/L		09/13/14 12:15	09/18/14 17:28	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*60 - 135*	*09/13/14 12:15*	*09/18/14 16:55*	*10*
DCB Decachlorobiphenyl (Surr)	*42*	*X*	*60 - 135*	*09/13/14 12:15*	*09/18/14 17:28*	*10*
Tetrachloro-m-xylene (Surr)	*79*		*25 - 150*	*09/13/14 12:15*	*09/18/14 16:55*	*10*
Tetrachloro-m-xylene (Surr)	*81*		*25 - 150*	*09/13/14 12:15*	*09/18/14 17:28*	*10*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		7.8	0.88	ug/L		09/13/14 15:06	09/16/14 12:56	40
Silvex (2,4,5-TP)	ND		1.9	0.21	ug/L		09/13/14 15:06	09/16/14 12:56	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*53*		*32 - 140*	*09/13/14 15:06*	*09/16/14 12:56*	*40*
2,4-Dichlorophenylacetic acid	*55*		*32 - 140*	*09/13/14 15:06*	*09/16/14 12:56*	*40*

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**19000**		200	42	ug/L		09/15/14 06:13	09/19/14 11:44	1
Antimony	ND		10	2.5	ug/L		09/15/14 06:13	09/19/14 11:44	1
Arsenic	**28**		10	3.0	ug/L		09/15/14 06:13	09/19/14 11:44	1
Barium	**670**		200	0.19	ug/L		09/15/14 06:13	09/19/14 11:44	1
Beryllium	**0.91**	**J**	4.0	0.27	ug/L		09/15/14 06:13	09/19/14 11:44	1
Cadmium	**3.3**	**J**	5.0	0.17	ug/L		09/15/14 06:13	09/19/14 11:44	1
Calcium	**74000**		5000	14	ug/L		09/15/14 06:13	09/19/14 11:44	1
Chromium	**140**		5.0	1.0	ug/L		09/15/14 06:13	09/19/14 11:44	1
Cobalt	**14**	**J**	50	0.39	ug/L		09/15/14 06:13	09/19/14 11:44	1
Copper	**130**		25	0.85	ug/L		09/15/14 06:13	09/19/14 11:44	1
Iron	**55000**	**B**	100	5.3	ug/L		09/15/14 06:13	09/19/14 11:44	1
Lead	**85**		10	1.5	ug/L		09/15/14 06:13	09/19/14 11:44	1
Magnesium	**14000**		5000	11	ug/L		09/15/14 06:13	09/19/14 11:44	1
Manganese	**2300**		15	0.094	ug/L		09/15/14 06:13	09/19/14 11:44	1
Nickel	**85**		40	0.49	ug/L		09/15/14 06:13	09/19/14 11:44	1
Potassium	**8900**	**B**	5000	41	ug/L		09/15/14 06:13	09/19/14 11:44	1
Selenium	**4.5**	**J**	10	1.7	ug/L		09/15/14 06:13	09/19/14 11:44	1
Silver	ND		5.0	0.27	ug/L		09/15/14 06:13	09/19/14 11:44	1
Sodium	**290000**		5000	21	ug/L		09/15/14 06:13	09/19/14 11:44	1
Thallium	ND		20	1.5	ug/L		09/15/14 06:13	09/19/14 11:44	1
Vanadium	**31**	**J**	50	1.1	ug/L		09/15/14 06:13	09/19/14 11:44	1
Zinc	**590**		20	6.0	ug/L		09/15/14 06:13	09/19/14 11:44	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.22**		0.20	0.038	ug/L		09/15/14 09:30	09/15/14 12:13	1

Client Sample ID: SSHS-LW **Lab Sample ID: 180-36613-2**

Date Collected: 09/11/14 13:30 **Matrix: Water**

Date Received: 09/12/14 09:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>200**		1.00	1.00	Degrees F			09/24/14 11:28	1
Cyanide, Total	**21**		10	3.2	ug/L		09/22/14 08:10	09/23/14 09:44	1
Sulfide	**0.89**	**J**	3.0	0.59	mg/L		09/16/14 09:04	09/16/14 14:33	1
pH	**8.70**	**HF**	0.100	0.100	SU			09/22/14 14:42	1

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-36613-1

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

Lab Sample ID: MB 180-119118/6
Matrix: Water
Analysis Batch: 119118

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			09/24/14 13:00	1
Benzene	ND		1.0	0.11	ug/L			09/24/14 13:00	1
Bromoform	ND		1.0	0.19	ug/L			09/24/14 13:00	1
Bromomethane	ND		1.0	0.31	ug/L			09/24/14 13:00	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			09/24/14 13:00	1
Carbon disulfide	ND		1.0	0.21	ug/L			09/24/14 13:00	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			09/24/14 13:00	1
Chlorobenzene	ND		1.0	0.14	ug/L			09/24/14 13:00	1
Chlorobromomethane	ND		1.0	0.18	ug/L			09/24/14 13:00	1
Chlorodibromomethane	ND		1.0	0.14	ug/L			09/24/14 13:00	1
Chloroethane	ND		1.0	0.21	ug/L			09/24/14 13:00	1
Chloroform	ND		1.0	0.17	ug/L			09/24/14 13:00	1
Chloromethane	ND		1.0	0.28	ug/L			09/24/14 13:00	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			09/24/14 13:00	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			09/24/14 13:00	1
Cyclohexane	ND		1.0	0.25	ug/L			09/24/14 13:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			09/24/14 13:00	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			09/24/14 13:00	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			09/24/14 13:00	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			09/24/14 13:00	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			09/24/14 13:00	1
Dichlorobromomethane	ND		1.0	0.13	ug/L			09/24/14 13:00	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			09/24/14 13:00	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			09/24/14 13:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/24/14 13:00	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			09/24/14 13:00	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			09/24/14 13:00	1
1,4-Dioxane	ND		200	34	ug/L			09/24/14 13:00	1
Ethylbenzene	ND		1.0	0.23	ug/L			09/24/14 13:00	1
2-Hexanone	ND		5.0	0.16	ug/L			09/24/14 13:00	1
Isopropylbenzene	ND		1.0	0.16	ug/L			09/24/14 13:00	1
Methyl acetate	ND		1.0	0.14	ug/L			09/24/14 13:00	1
Methylcyclohexane	ND		1.0	0.26	ug/L			09/24/14 13:00	1
Methylene Chloride	ND		1.0	0.13	ug/L			09/24/14 13:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			09/24/14 13:00	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			09/24/14 13:00	1
m-Xylene & p-Xylene	ND		2.0	0.41	ug/L			09/24/14 13:00	1
o-Xylene	ND		1.0	0.11	ug/L			09/24/14 13:00	1
Styrene	ND		1.0	0.097	ug/L			09/24/14 13:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			09/24/14 13:00	1
Tetrachloroethene	ND		1.0	0.15	ug/L			09/24/14 13:00	1
Toluene	ND		1.0	0.15	ug/L			09/24/14 13:00	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			09/24/14 13:00	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			09/24/14 13:00	1
1,2,3-Trichlorobenzene	ND		1.0	0.15	ug/L			09/24/14 13:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			09/24/14 13:00	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			09/24/14 13:00	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			09/24/14 13:00	1

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

Lab Sample ID: MB 180-119118/6
Matrix: Water
Analysis Batch: 119118

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.0	0.14	ug/L			09/24/14 13:00	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			09/24/14 13:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			09/24/14 13:00	1
Vinyl chloride	ND		1.0	0.23	ug/L			09/24/14 13:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 118*		*09/24/14 13:00*	*1*
Dibromofluoromethane (Surr)	*110*		*70 - 128*		*09/24/14 13:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*64 - 135*		*09/24/14 13:00*	*1*
Toluene-d8 (Surr)	*107*		*71 - 118*		*09/24/14 13:00*	*1*

Lab Sample ID: LCS 180-119118/9
Matrix: Water
Analysis Batch: 119118

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.9		ug/L		94	22 - 150
Benzene	10.0	9.63		ug/L		96	80 - 120
Bromoform	10.0	9.87		ug/L		99	46 - 150
Bromomethane	10.0	9.81		ug/L		98	33 - 150
2-Butanone (MEK)	20.0	19.9		ug/L		99	39 - 138
Carbon disulfide	10.0	8.74		ug/L		87	54 - 132
Carbon tetrachloride	10.0	9.73		ug/L		97	55 - 150
Chlorobenzene	10.0	10.8		ug/L		108	80 - 120
Chlorobromomethane	10.0	9.17		ug/L		92	70 - 127
Chlorodibromomethane	10.0	11.1		ug/L		111	60 - 140
Chloroethane	10.0	8.53		ug/L		85	36 - 142
Chloroform	10.0	9.53		ug/L		95	72 - 127
Chloromethane	10.0	8.24		ug/L		82	50 - 139
cis-1,2-Dichloroethene	10.0	9.79		ug/L		98	70 - 120
cis-1,3-Dichloropropene	10.0	9.59		ug/L		96	66 - 120
Cyclohexane	10.0	8.47		ug/L		85	45 - 142
1,2-Dibromo-3-Chloropropane	10.0	7.70		ug/L		77	37 - 133
1,2-Dibromoethane	10.0	11.0		ug/L		110	74 - 123
1,2-Dichlorobenzene	10.0	8.77		ug/L		88	77 - 120
1,3-Dichlorobenzene	10.0	9.54		ug/L		95	76 - 120
1,4-Dichlorobenzene	10.0	9.86		ug/L		99	77 - 120
Dichlorobromomethane	10.0	9.68		ug/L		97	66 - 130
Dichlorodifluoromethane	10.0	8.51		ug/L		85	13 - 150
1,1-Dichloroethane	10.0	9.29		ug/L		93	73 - 126
1,2-Dichloroethane	10.0	9.19		ug/L		92	68 - 132
1,1-Dichloroethene	10.0	8.89		ug/L		89	65 - 136
1,2-Dichloropropane	10.0	9.52		ug/L		95	76 - 124
1,4-Dioxane	200	144	J	ug/L		72	10 - 160
Ethylbenzene	10.0	10.6		ug/L		106	72 - 126
2-Hexanone	20.0	19.8		ug/L		99	25 - 132
Isopropylbenzene	10.0	10.8		ug/L		108	58 - 130
Methyl acetate	50.0	46.9		ug/L		94	47 - 142

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

Lab Sample ID: LCS 180-119118/9 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 119118

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	10.0	8.92		ug/L		89	45 - 145
Methylene Chloride	10.0	8.83		ug/L		88	63 - 129
4-Methyl-2-pentanone (MIBK)	20.0	19.8		ug/L		99	45 - 145
Methyl tert-butyl ether	10.0	9.37		ug/L		94	64 - 123
m-Xylene & p-Xylene	10.0	11.1		ug/L		111	73 - 130
o-Xylene	10.0	10.7		ug/L		107	72 - 124
Styrene	10.0	10.8		ug/L		108	71 - 127
1,1,2,2-Tetrachloroethane	10.0	10.5		ug/L		105	62 - 125
Tetrachloroethene	10.0	10.2		ug/L		102	70 - 135
Toluene	10.0	10.9		ug/L		109	80 - 123
trans-1,2-Dichloroethene	10.0	9.44		ug/L		94	73 - 126
trans-1,3-Dichloropropene	10.0	10.8		ug/L		108	65 - 125
1,2,3-Trichlorobenzene	10.0	5.84	*	ug/L		58	59 - 127
1,2,4-Trichlorobenzene	10.0	6.23		ug/L		62	60 - 127
1,1,1-Trichloroethane	10.0	10.3		ug/L		103	63 - 133
1,1,2-Trichloroethane	10.0	10.8		ug/L		108	77 - 127
Trichloroethene	10.0	9.86		ug/L		99	73 - 120
Trichlorofluoromethane	10.0	12.4		ug/L		124	44 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	8.94		ug/L		89	46 - 148
Vinyl chloride	10.0	9.25		ug/L		93	53 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 118*
Dibromofluoromethane (Surr)	*95*		*70 - 128*
1,2-Dichloroethane-d4 (Surr)	*93*		*64 - 135*
Toluene-d8 (Surr)	*107*		*71 - 118*

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: LCS 180-118947/27 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 118947

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	0.400	0.370		mg/L		93	63 - 140
2-Butanone (MEK)	0.400	0.361		mg/L		90	31 - 139
Benzene	0.400	0.369		mg/L		92	80 - 120
Carbon tetrachloride	0.400	0.407		mg/L		102	63 - 139
Chlorobenzene	0.400	0.387		mg/L		97	83 - 120
Chloroform	0.400	0.391		mg/L		98	77 - 119
Tetrachloroethene	0.400	0.385		mg/L		96	78 - 126
Trichloroethene	0.400	0.383		mg/L		96	80 - 120
Vinyl chloride	0.400	0.424		mg/L		106	57 - 128
1,1-Dichloroethene	0.400	0.421		mg/L		105	69 - 127

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

Lab Sample ID: LCS 180-118947/27
Matrix: Solid
Analysis Batch: 118947

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*100*		*62 - 123*
4-Bromofluorobenzene (Surr)	*97*		*75 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*84*		*80 - 120*

Lab Sample ID: LB 180-118558/8-A
Matrix: Solid
Analysis Batch: 118947

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.050	0.0096	mg/L			09/23/14 11:26	1
2-Butanone (MEK)	ND		0.050	0.011	mg/L			09/23/14 11:26	1
Benzene	ND		0.050	0.0099	mg/L			09/23/14 11:26	1
Carbon tetrachloride	ND		0.050	0.011	mg/L			09/23/14 11:26	1
Chlorobenzene	ND		0.050	0.0053	mg/L			09/23/14 11:26	1
Chloroform	ND		0.050	0.010	mg/L			09/23/14 11:26	1
Tetrachloroethene	ND		0.050	0.0082	mg/L			09/23/14 11:26	1
Trichloroethene	ND		0.050	0.0080	mg/L			09/23/14 11:26	1
Vinyl chloride	ND		0.050	0.013	mg/L			09/23/14 11:26	1
1,1-Dichloroethene	ND		0.050	0.011	mg/L			09/23/14 11:26	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*62 - 123*		*09/23/14 11:26*	*1*
4-Bromofluorobenzene (Surr)	*87*		*75 - 120*		*09/23/14 11:26*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*09/23/14 11:26*	*1*
Toluene-d8 (Surr)	*82*		*80 - 120*		*09/23/14 11:26*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-118263/1-A
Matrix: Solid
Analysis Batch: 118270

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 118263

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0012	mg/L		09/16/14 15:30	09/17/14 03:32	1
2,4,5-Trichlorophenol	ND		0.050	0.0013	mg/L		09/16/14 15:30	09/17/14 03:32	1
2,4,6-Trichlorophenol	ND		0.050	0.0011	mg/L		09/16/14 15:30	09/17/14 03:32	1
2,4-Dinitrotoluene	ND		0.050	0.0010	mg/L		09/16/14 15:30	09/17/14 03:32	1
2-Methylphenol	ND		0.050	0.0014	mg/L		09/16/14 15:30	09/17/14 03:32	1
Methylphenol, 3 & 4	ND		0.050	0.0027	mg/L		09/16/14 15:30	09/17/14 03:32	1
Hexachlorobenzene	ND		0.050	0.0011	mg/L		09/16/14 15:30	09/17/14 03:32	1
Hexachlorobutadiene	ND		0.050	0.0013	mg/L		09/16/14 15:30	09/17/14 03:32	1
Hexachloroethane	ND		0.050	0.0013	mg/L		09/16/14 15:30	09/17/14 03:32	1
Nitrobenzene	ND		0.050	0.0013	mg/L		09/16/14 15:30	09/17/14 03:32	1
Pentachlorophenol	ND		0.25	0.0022	mg/L		09/16/14 15:30	09/17/14 03:32	1
Pyridine	ND		0.10	0.00083	mg/L		09/16/14 15:30	09/17/14 03:32	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-118263/1-A
Matrix: Solid
Analysis Batch: 118270

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 118263

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*35 - 115*	*09/16/14 15:30*	*09/17/14 03:32*	*1*
2-Fluorophenol (Surr)	*90*		*20 - 110*	*09/16/14 15:30*	*09/17/14 03:32*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*19 - 138*	*09/16/14 15:30*	*09/17/14 03:32*	*1*
Nitrobenzene-d5 (Surr)	*96*		*39 - 115*	*09/16/14 15:30*	*09/17/14 03:32*	*1*
Phenol-d5 (Surr)	*89*		*30 - 118*	*09/16/14 15:30*	*09/17/14 03:32*	*1*
Terphenyl-d14 (Surr)	*86*		*30 - 143*	*09/16/14 15:30*	*09/17/14 03:32*	*1*

Lab Sample ID: LCS 180-118263/2-A
Matrix: Solid
Analysis Batch: 118270

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 118263

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.250	0.213		mg/L		85	37 - 115
2,4,5-Trichlorophenol	0.250	0.177		mg/L		71	35 - 115
2,4,6-Trichlorophenol	0.250	0.182		mg/L		73	40 - 115
2,4-Dinitrotoluene	0.250	0.173		mg/L		69	40 - 115
2-Methylphenol	0.250	0.207		mg/L		83	43 - 115
Methylphenol, 3 & 4	0.500	0.396		mg/L		79	30 - 121
Hexachlorobenzene	0.250	0.165		mg/L		66	45 - 115
Hexachlorobutadiene	0.250	0.221		mg/L		88	42 - 115
Hexachloroethane	0.250	0.205		mg/L		82	25 - 106
Nitrobenzene	0.250	0.216		mg/L		86	40 - 115
Pentachlorophenol	0.250	0.115	J	mg/L		46	16 - 140
Pyridine	0.250	0.239		mg/L		96	22 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*91*		*35 - 115*
2-Fluorophenol (Surr)	*90*		*20 - 110*
2,4,6-Tribromophenol (Surr)	*80*		*19 - 138*
Nitrobenzene-d5 (Surr)	*92*		*39 - 115*
Phenol-d5 (Surr)	*90*		*30 - 118*
Terphenyl-d14 (Surr)	*91*		*30 - 143*

Lab Sample ID: LB 180-118112/16-C
Matrix: Solid
Analysis Batch: 118270

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 118263

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0012	mg/L		09/16/14 15:30	09/17/14 04:00	1
2,4,5-Trichlorophenol	ND		0.050	0.0013	mg/L		09/16/14 15:30	09/17/14 04:00	1
2,4,6-Trichlorophenol	ND		0.050	0.0011	mg/L		09/16/14 15:30	09/17/14 04:00	1
2,4-Dinitrotoluene	ND		0.050	0.0010	mg/L		09/16/14 15:30	09/17/14 04:00	1
2-Methylphenol	ND		0.050	0.0014	mg/L		09/16/14 15:30	09/17/14 04:00	1
Methylphenol, 3 & 4	ND		0.050	0.0027	mg/L		09/16/14 15:30	09/17/14 04:00	1
Hexachlorobenzene	ND		0.050	0.0011	mg/L		09/16/14 15:30	09/17/14 04:00	1
Hexachlorobutadiene	ND		0.050	0.0013	mg/L		09/16/14 15:30	09/17/14 04:00	1
Hexachloroethane	ND		0.050	0.0013	mg/L		09/16/14 15:30	09/17/14 04:00	1
Nitrobenzene	ND		0.050	0.0013	mg/L		09/16/14 15:30	09/17/14 04:00	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 180-118112/16-C
Matrix: Solid
Analysis Batch: 118270

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 118263

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.25	0.0022	mg/L		09/16/14 15:30	09/17/14 04:00	1
Pyridine	ND		0.10	0.00083	mg/L		09/16/14 15:30	09/17/14 04:00	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*35 - 115*	*09/16/14 15:30*	*09/17/14 04:00*	*1*
2-Fluorophenol (Surr)	*92*		*20 - 110*	*09/16/14 15:30*	*09/17/14 04:00*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*19 - 138*	*09/16/14 15:30*	*09/17/14 04:00*	*1*
Nitrobenzene-d5 (Surr)	*91*		*39 - 115*	*09/16/14 15:30*	*09/17/14 04:00*	*1*
Phenol-d5 (Surr)	*88*		*30 - 118*	*09/16/14 15:30*	*09/17/14 04:00*	*1*
Terphenyl-d14 (Surr)	*88*		*30 - 143*	*09/16/14 15:30*	*09/17/14 04:00*	*1*

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

Lab Sample ID: MB 180-118331/1-A
Matrix: Water
Analysis Batch: 118469

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 118331

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.029	ug/L		09/17/14 08:41	09/18/14 11:57	1
Acenaphthylene	ND		0.20	0.022	ug/L		09/17/14 08:41	09/18/14 11:57	1
Acetophenone	ND		2.0	0.11	ug/L		09/17/14 08:41	09/18/14 11:57	1
Anthracene	ND		0.20	0.019	ug/L		09/17/14 08:41	09/18/14 11:57	1
Atrazine	ND		2.0	0.22	ug/L		09/17/14 08:41	09/18/14 11:57	1
Benzaldehyde	ND		2.0	0.11	ug/L		09/17/14 08:41	09/18/14 11:57	1
Benzo[a]anthracene	ND		0.20	0.037	ug/L		09/17/14 08:41	09/18/14 11:57	1
Benzo[a]pyrene	ND		0.20	0.028	ug/L		09/17/14 08:41	09/18/14 11:57	1
Benzo[b]fluoranthene	ND		0.20	0.049	ug/L		09/17/14 08:41	09/18/14 11:57	1
Benzo[g,h,i]perylene	ND		0.20	0.029	ug/L		09/17/14 08:41	09/18/14 11:57	1
Benzo[k]fluoranthene	ND		0.20	0.030	ug/L		09/17/14 08:41	09/18/14 11:57	1
1,1'-Biphenyl	ND		1.0	0.11	ug/L		09/17/14 08:41	09/18/14 11:57	1
Bis(2-chloroethoxy)methane	ND		1.0	0.13	ug/L		09/17/14 08:41	09/18/14 11:57	1
Bis(2-chloroethyl)ether	ND		1.0	0.032	ug/L		09/17/14 08:41	09/18/14 11:57	1
Bis(2-ethylhexyl) phthalate	ND		2.0	0.44	ug/L		09/17/14 08:41	09/18/14 11:57	1
4-Bromophenyl phenyl ether	ND		1.0	0.12	ug/L		09/17/14 08:41	09/18/14 11:57	1
Butyl benzyl phthalate	ND		1.0	0.21	ug/L		09/17/14 08:41	09/18/14 11:57	1
Caprolactam	ND		5.0	1.5	ug/L		09/17/14 08:41	09/18/14 11:57	1
Carbazole	ND		1.0	0.027	ug/L		09/17/14 08:41	09/18/14 11:57	1
4-Chloroaniline	ND		1.0	0.29	ug/L		09/17/14 08:41	09/18/14 11:57	1
4-Chloro-3-methylphenol	ND		1.0	0.17	ug/L		09/17/14 08:41	09/18/14 11:57	1
2-Chloronaphthalene	ND		0.20	0.031	ug/L		09/17/14 08:41	09/18/14 11:57	1
2-Chlorophenol	ND		1.0	0.23	ug/L		09/17/14 08:41	09/18/14 11:57	1
4-Chlorophenyl phenyl ether	ND		1.0	0.080	ug/L		09/17/14 08:41	09/18/14 11:57	1
Chrysene	ND		0.20	0.031	ug/L		09/17/14 08:41	09/18/14 11:57	1
Dibenz(a,h)anthracene	ND		0.20	0.027	ug/L		09/17/14 08:41	09/18/14 11:57	1
Dibenzofuran	ND		1.0	0.097	ug/L		09/17/14 08:41	09/18/14 11:57	1
3,3'-Dichlorobenzidine	ND		1.0	0.15	ug/L		09/17/14 08:41	09/18/14 11:57	1
2,4-Dichlorophenol	ND		1.0	0.067	ug/L		09/17/14 08:41	09/18/14 11:57	1
Diethyl phthalate	ND		1.0	0.30	ug/L		09/17/14 08:41	09/18/14 11:57	1

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

Lab Sample ID: MB 180-118331/1-A
Matrix: Water
Analysis Batch: 118469

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 118331

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		1.0	0.17	ug/L		09/17/14 08:41	09/18/14 11:57	1
Dimethyl phthalate	ND		1.0	0.18	ug/L		09/17/14 08:41	09/18/14 11:57	1
Di-n-butyl phthalate	ND		1.0	0.24	ug/L		09/17/14 08:41	09/18/14 11:57	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.6	ug/L		09/17/14 08:41	09/18/14 11:57	1
2,4-Dinitrophenol	ND		5.0	2.5	ug/L		09/17/14 08:41	09/18/14 11:57	1
2,4-Dinitrotoluene	ND		1.0	0.21	ug/L		09/17/14 08:41	09/18/14 11:57	1
2,6-Dinitrotoluene	ND		1.0	0.14	ug/L		09/17/14 08:41	09/18/14 11:57	1
Di-n-octyl phthalate	ND		1.0	0.20	ug/L		09/17/14 08:41	09/18/14 11:57	1
1,4-Dioxane	ND		2.0	0.052	ug/L		09/17/14 08:41	09/18/14 11:57	1
Fluoranthene	ND		0.20	0.021	ug/L		09/17/14 08:41	09/18/14 11:57	1
Fluorene	ND		0.20	0.024	ug/L		09/17/14 08:41	09/18/14 11:57	1
Hexachlorobenzene	ND		1.0	0.061	ug/L		09/17/14 08:41	09/18/14 11:57	1
Hexachlorobutadiene	ND		1.0	0.094	ug/L		09/17/14 08:41	09/18/14 11:57	1
Hexachlorocyclopentadiene	ND		1.0	0.14	ug/L		09/17/14 08:41	09/18/14 11:57	1
Hexachloroethane	ND		1.0	0.14	ug/L		09/17/14 08:41	09/18/14 11:57	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		09/17/14 08:41	09/18/14 11:57	1
Isophorone	ND		1.0	0.074	ug/L		09/17/14 08:41	09/18/14 11:57	1
2-Methylnaphthalene	ND		0.20	0.019	ug/L		09/17/14 08:41	09/18/14 11:57	1
2-Methylphenol	ND		1.0	0.19	ug/L		09/17/14 08:41	09/18/14 11:57	1
Methylphenol, 3 & 4	ND		1.0	0.21	ug/L		09/17/14 08:41	09/18/14 11:57	1
Naphthalene	ND		0.20	0.023	ug/L		09/17/14 08:41	09/18/14 11:57	1
2-Nitroaniline	ND		5.0	0.67	ug/L		09/17/14 08:41	09/18/14 11:57	1
3-Nitroaniline	ND		5.0	0.81	ug/L		09/17/14 08:41	09/18/14 11:57	1
4-Nitroaniline	ND		5.0	0.77	ug/L		09/17/14 08:41	09/18/14 11:57	1
Nitrobenzene	ND		2.0	0.15	ug/L		09/17/14 08:41	09/18/14 11:57	1
2-Nitrophenol	ND		1.0	0.11	ug/L		09/17/14 08:41	09/18/14 11:57	1
4-Nitrophenol	ND		5.0	0.80	ug/L		09/17/14 08:41	09/18/14 11:57	1
N-Nitrosodi-n-propylamine	ND		1.0	0.050	ug/L		09/17/14 08:41	09/18/14 11:57	1
N-Nitrosodiphenylamine	ND		1.0	0.12	ug/L		09/17/14 08:41	09/18/14 11:57	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.024	ug/L		09/17/14 08:41	09/18/14 11:57	1
Pentachlorophenol	ND		1.0	0.50	ug/L		09/17/14 08:41	09/18/14 11:57	1
Phenanthrene	ND		0.20	0.042	ug/L		09/17/14 08:41	09/18/14 11:57	1
Phenol	ND		1.0	0.055	ug/L		09/17/14 08:41	09/18/14 11:57	1
Pyrene	ND		0.20	0.023	ug/L		09/17/14 08:41	09/18/14 11:57	1
Pyridine	ND		1.0	0.29	ug/L		09/17/14 08:41	09/18/14 11:57	1
1,2,4,5-Tetrachlorobenzene	ND		1.0	0.076	ug/L		09/17/14 08:41	09/18/14 11:57	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.11	ug/L		09/17/14 08:41	09/18/14 11:57	1
2,4,5-Trichlorophenol	ND		1.0	0.12	ug/L		09/17/14 08:41	09/18/14 11:57	1
2,4,6-Trichlorophenol	ND		1.0	0.30	ug/L		09/17/14 08:41	09/18/14 11:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*30 - 150*	*09/17/14 08:41*	*09/18/14 11:57*	*1*
2-Fluorophenol (Surr)	*79*		*30 - 150*	*09/17/14 08:41*	*09/18/14 11:57*	*1*
Nitrobenzene-d5 (Surr)	*73*		*30 - 150*	*09/17/14 08:41*	*09/18/14 11:57*	*1*
Phenol-d5 (Surr)	*77*		*30 - 150*	*09/17/14 08:41*	*09/18/14 11:57*	*1*
Terphenyl-d14 (Surr)	*73*		*10 - 150*	*09/17/14 08:41*	*09/18/14 11:57*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*30 - 150*	*09/17/14 08:41*	*09/18/14 11:57*	*1*

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

Lab Sample ID: LCS 180-118331/2-A
Matrix: Water
Analysis Batch: 118469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 118331

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	20.0	13.7		ug/L		68	30 - 150
Acenaphthylene	20.0	13.6		ug/L		68	30 - 150
Acetophenone	20.0	14.3		ug/L		71	30 - 150
Anthracene	20.0	13.6		ug/L		68	30 - 150
Atrazine	20.0	13.9		ug/L		69	30 - 150
Benzaldehyde	20.0	13.6		ug/L		68	30 - 150
Benzo[a]anthracene	20.0	13.1		ug/L		65	30 - 150
Benzo[a]pyrene	20.0	12.9		ug/L		64	30 - 150
Benzo[b]fluoranthene	20.0	11.7		ug/L		59	30 - 150
Benzo[g,h,i]perylene	20.0	13.6		ug/L		68	30 - 150
Benzo[k]fluoranthene	20.0	13.6		ug/L		68	30 - 150
1,1'-Biphenyl	20.0	13.5		ug/L		68	30 - 150
Bis(2-chloroethoxy)methane	20.0	13.2		ug/L		66	30 - 150
Bis(2-chloroethyl)ether	20.0	13.3		ug/L		66	30 - 150
Bis(2-ethylhexyl) phthalate	20.0	14.4		ug/L		72	30 - 150
4-Bromophenyl phenyl ether	20.0	14.4		ug/L		72	30 - 150
Butyl benzyl phthalate	20.0	14.1		ug/L		71	30 - 150
Caprolactam	20.0	15.4		ug/L		77	30 - 150
Carbazole	20.0	13.6		ug/L		68	30 - 150
4-Chloroaniline	20.0	13.0		ug/L		65	10 - 150
4-Chloro-3-methylphenol	20.0	14.2		ug/L		71	30 - 150
2-Chloronaphthalene	20.0	12.4		ug/L		62	30 - 150
2-Chlorophenol	20.0	14.1		ug/L		71	30 - 150
4-Chlorophenyl phenyl ether	20.0	13.3		ug/L		67	30 - 150
Chrysene	20.0	13.1		ug/L		65	30 - 150
Dibenz(a,h)anthracene	20.0	13.5		ug/L		68	30 - 150
Dibenzofuran	20.0	12.9		ug/L		64	30 - 150
3,3'-Dichlorobenzidine	20.0	13.5		ug/L		68	10 - 150
2,4-Dichlorophenol	20.0	13.9		ug/L		70	30 - 150
Diethyl phthalate	20.0	14.1		ug/L		70	30 - 150
2,4-Dimethylphenol	20.0	13.6		ug/L		68	30 - 150
Dimethyl phthalate	20.0	13.9		ug/L		70	30 - 150
Di-n-butyl phthalate	20.0	14.6		ug/L		73	30 - 150
4,6-Dinitro-2-methylphenol	40.0	26.9		ug/L		67	30 - 150
2,4-Dinitrophenol	40.0	22.5		ug/L		56	10 - 150
2,4-Dinitrotoluene	20.0	14.1		ug/L		70	30 - 150
2,6-Dinitrotoluene	20.0	14.3		ug/L		71	30 - 150
Di-n-octyl phthalate	20.0	13.9		ug/L		69	10 - 150
1,4-Dioxane	20.0	14.4		ug/L		72	30 - 150
Fluoranthene	20.0	13.6		ug/L		68	30 - 150
Fluorene	20.0	14.1		ug/L		71	30 - 150
Hexachlorobenzene	20.0	14.3		ug/L		72	30 - 150
Hexachlorobutadiene	20.0	13.7		ug/L		68	30 - 150
Hexachlorocyclopentadiene	20.0	14.0		ug/L		70	30 - 150
Hexachloroethane	20.0	14.1		ug/L		70	30 - 150
Indeno[1,2,3-cd]pyrene	20.0	13.3		ug/L		67	30 - 150
Isophorone	20.0	14.2		ug/L		71	30 - 150
2-Methylnaphthalene	20.0	13.1		ug/L		66	30 - 150

QC Sample Results

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

Lab Sample ID: LCS 180-118331/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 118469
Prep Batch: 118331

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylphenol	20.0	14.8		ug/L		74	30 - 150
Methylphenol, 3 & 4	20.0	14.7		ug/L		73	30 - 150
Naphthalene	20.0	13.1		ug/L		66	30 - 150
2-Nitroaniline	20.0	14.7		ug/L		73	30 - 150
3-Nitroaniline	20.0	14.5		ug/L		72	10 - 150
4-Nitroaniline	20.0	14.7		ug/L		74	30 - 150
Nitrobenzene	20.0	13.5		ug/L		67	30 - 150
2-Nitrophenol	20.0	14.8		ug/L		74	30 - 150
4-Nitrophenol	40.0	31.1		ug/L		78	30 - 150
N-Nitrosodi-n-propylamine	20.0	14.4		ug/L		72	30 - 150
N-Nitrosodiphenylamine	20.0	13.5		ug/L		68	30 - 150
2,2'-oxybis[1-chloropropane]	20.0	12.9		ug/L		64	30 - 150
Pentachlorophenol	40.0	26.1		ug/L		65	10 - 150
Phenanthrene	20.0	13.0		ug/L		65	30 - 150
Phenol	20.0	13.5		ug/L		67	30 - 150
Pyrene	20.0	12.2		ug/L		61	30 - 150
Pyridine	20.0	14.6		ug/L		73	30 - 150
1,2,4,5-Tetrachlorobenzene	20.0	13.1		ug/L		66	30 - 150
2,3,4,6-Tetrachlorophenol	20.0	13.5		ug/L		68	30 - 150
2,4,5-Trichlorophenol	20.0	14.0		ug/L		70	30 - 150
2,4,6-Trichlorophenol	20.0	14.9		ug/L		75	30 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*30 - 150*
2-Fluorophenol (Surr)	*73*		*30 - 150*
Nitrobenzene-d5 (Surr)	*68*		*30 - 150*
Phenol-d5 (Surr)	*71*		*30 - 150*
Terphenyl-d14 (Surr)	*65*		*10 - 150*
2,4,6-Tribromophenol (Surr)	*78*		*30 - 150*

Lab Sample ID: LCSD 180-118331/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 118469
Prep Batch: 118331

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	20.0	13.4		ug/L		67	30 - 150	2	35
Acenaphthylene	20.0	13.2		ug/L		66	30 - 150	3	35
Acetophenone	20.0	13.7		ug/L		69	30 - 150	4	35
Anthracene	20.0	13.2		ug/L		66	30 - 150	3	35
Atrazine	20.0	13.3		ug/L		67	30 - 150	4	35
Benzaldehyde	20.0	12.7		ug/L		64	30 - 150	7	35
Benzo[a]anthracene	20.0	12.8		ug/L		64	30 - 150	2	35
Benzo[a]pyrene	20.0	12.3		ug/L		62	30 - 150	4	35
Benzo[b]fluoranthene	20.0	11.9		ug/L		59	30 - 150	1	35
Benzo[g,h,i]perylene	20.0	13.2		ug/L		66	30 - 150	3	35
Benzo[k]fluoranthene	20.0	12.5		ug/L		62	30 - 150	9	35
1,1'-Biphenyl	20.0	13.1		ug/L		66	30 - 150	3	35
Bis(2-chloroethoxy)methane	20.0	13.0		ug/L		65	30 - 150	2	35

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

Lab Sample ID: LCSD 180-118331/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 118469
Prep Batch: 118331

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-chloroethyl)ether	20.0	13.2		ug/L		66	30 - 150	1	35
Bis(2-ethylhexyl) phthalate	20.0	13.8		ug/L		69	30 - 150	4	35
4-Bromophenyl phenyl ether	20.0	13.7		ug/L		68	30 - 150	5	35
Butyl benzyl phthalate	20.0	13.9		ug/L		70	30 - 150	2	35
Caprolactam	20.0	15.2		ug/L		76	30 - 150	1	35
Carbazole	20.0	13.4		ug/L		67	30 - 150	2	35
4-Chloroaniline	20.0	12.5		ug/L		63	10 - 150	4	35
4-Chloro-3-methylphenol	20.0	13.7		ug/L		68	30 - 150	4	35
2-Chloronaphthalene	20.0	12.1		ug/L		60	30 - 150	3	35
2-Chlorophenol	20.0	13.6		ug/L		68	30 - 150	4	35
4-Chlorophenyl phenyl ether	20.0	13.3		ug/L		67	30 - 150	0	35
Chrysene	20.0	12.7		ug/L		64	30 - 150	3	35
Dibenz(a,h)anthracene	20.0	13.2		ug/L		66	30 - 150	3	35
Dibenzofuran	20.0	12.7		ug/L		64	30 - 150	1	35
3,3'-Dichlorobenzidine	20.0	13.2		ug/L		66	10 - 150	2	35
2,4-Dichlorophenol	20.0	13.7		ug/L		68	30 - 150	2	35
Diethyl phthalate	20.0	13.9		ug/L		69	30 - 150	1	35
2,4-Dimethylphenol	20.0	13.0		ug/L		65	30 - 150	4	35
Dimethyl phthalate	20.0	13.5		ug/L		68	30 - 150	3	35
Di-n-butyl phthalate	20.0	14.2		ug/L		71	30 - 150	3	35
4,6-Dinitro-2-methylphenol	40.0	27.0		ug/L		68	30 - 150	1	35
2,4-Dinitrophenol	40.0	22.4		ug/L		56	10 - 150	1	35
2,4-Dinitrotoluene	20.0	14.0		ug/L		70	30 - 150	0	35
2,6-Dinitrotoluene	20.0	13.9		ug/L		69	30 - 150	3	35
Di-n-octyl phthalate	20.0	13.4		ug/L		67	10 - 150	3	35
1,4-Dioxane	20.0	13.8		ug/L		69	30 - 150	4	35
Fluoranthene	20.0	13.2		ug/L		66	30 - 150	3	35
Fluorene	20.0	13.9		ug/L		70	30 - 150	1	35
Hexachlorobenzene	20.0	13.5		ug/L		68	30 - 150	6	35
Hexachlorobutadiene	20.0	13.5		ug/L		67	30 - 150	1	35
Hexachlorocyclopentadiene	20.0	13.6		ug/L		68	30 - 150	3	35
Hexachloroethane	20.0	13.6		ug/L		68	30 - 150	3	35
Indeno[1,2,3-cd]pyrene	20.0	12.9		ug/L		65	30 - 150	3	35
Isophorone	20.0	14.0		ug/L		70	30 - 150	1	35
2-Methylnaphthalene	20.0	12.5		ug/L		63	30 - 150	5	35
2-Methylphenol	20.0	14.4		ug/L		72	30 - 150	3	35
Methylphenol, 3 & 4	20.0	13.8		ug/L		69	30 - 150	7	35
Naphthalene	20.0	12.8		ug/L		64	30 - 150	2	35
2-Nitroaniline	20.0	14.5		ug/L		73	30 - 150	1	35
3-Nitroaniline	20.0	13.6		ug/L		68	10 - 150	7	35
4-Nitroaniline	20.0	14.3		ug/L		71	30 - 150	3	35
Nitrobenzene	20.0	13.3		ug/L		67	30 - 150	1	35
2-Nitrophenol	20.0	14.3		ug/L		72	30 - 150	3	35
4-Nitrophenol	40.0	31.2		ug/L		78	30 - 150	0	35
N-Nitrosodi-n-propylamine	20.0	14.3		ug/L		71	30 - 150	1	35
N-Nitrosodiphenylamine	20.0	13.3		ug/L		67	30 - 150	2	35
2,2'-oxybis[1-chloropropane]	20.0	12.5		ug/L		63	30 - 150	3	35
Pentachlorophenol	40.0	25.5		ug/L		64	10 - 150	2	35

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

Lab Sample ID: LCSD 180-118331/3-A
Matrix: Water
Analysis Batch: 118469

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 118331

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenanthrene	20.0	12.7		ug/L		63	30 - 150	3	35
Phenol	20.0	13.3		ug/L		66	30 - 150	2	35
Pyrene	20.0	11.8		ug/L		59	30 - 150	3	35
Pyridine	20.0	15.0		ug/L		75	30 - 150	2	35
1,2,4,5-Tetrachlorobenzene	20.0	13.1		ug/L		66	30 - 150	0	35
2,3,4,6-Tetrachlorophenol	20.0	13.5		ug/L		67	30 - 150	0	35
2,4,5-Trichlorophenol	20.0	14.1		ug/L		70	30 - 150	1	35
2,4,6-Trichlorophenol	20.0	14.6		ug/L		73	30 - 150	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*30 - 150*
2-Fluorophenol (Surr)	*71*		*30 - 150*
Nitrobenzene-d5 (Surr)	*65*		*30 - 150*
Phenol-d5 (Surr)	*70*		*30 - 150*
Terphenyl-d14 (Surr)	*64*		*10 - 150*
2,4,6-Tribromophenol (Surr)	*75*		*30 - 150*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 240-147529/4-A
Matrix: Water
Analysis Batch: 148041

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 147529

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		500	110	ug/L		09/18/14 07:49	09/22/14 17:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*59*		*40 - 160*	*09/18/14 07:49*	*09/22/14 17:01*	*1*

Lab Sample ID: LCS 240-147529/5-A
Matrix: Water
Analysis Batch: 148041

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 147529

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10 - C28]	2500	2140		ug/L		86	40 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*71*		*40 - 160*

Lab Sample ID: MB 240-147940/12-A
Matrix: Solid
Analysis Batch: 148041

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 147940

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		50	11	mg/Kg		09/22/14 08:08	09/22/14 20:01	1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 240-147940/12-A
Matrix: Solid
Analysis Batch: 148041

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 147940

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*69*		*40 - 160*	*09/22/14 08:08*	*09/22/14 20:01*	*1*

Lab Sample ID: LCS 240-147940/13-A
Matrix: Solid
Analysis Batch: 148041

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 147940

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10 - C28]			250	230		mg/Kg		92	52 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*77*		*40 - 160*

Lab Sample ID: 180-36613-1 MS
Matrix: Solid
Analysis Batch: 148150

Client Sample ID: SSHS-SW
Prep Type: Total/NA
Prep Batch: 147940

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10 - C28]	270		276	508		mg/Kg	☼	85	10 - 124

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*89*		*40 - 160*

Lab Sample ID: 180-36613-1 MSD
Matrix: Solid
Analysis Batch: 148150

Client Sample ID: SSHS-SW
Prep Type: Total/NA
Prep Batch: 147940

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10 - C28]	270		273	680	F1	mg/Kg	☼	149	10 - 124	29	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*89*		*40 - 160*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-118262/1-A
Matrix: Solid
Analysis Batch: 118333

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 118262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0050	0.00066	mg/L		09/16/14 14:30	09/17/14 13:07	1
Endrin	ND		0.00050	0.00039	mg/L		09/16/14 14:30	09/17/14 13:07	1
gamma-BHC (Lindane)	ND		0.00050	0.00032	mg/L		09/16/14 14:30	09/17/14 13:07	1
Heptachlor	ND		0.00050	0.00040	mg/L		09/16/14 14:30	09/17/14 13:07	1
Heptachlor epoxide	ND		0.00050	0.00039	mg/L		09/16/14 14:30	09/17/14 13:07	1
Methoxychlor	ND		0.0010	0.00037	mg/L		09/16/14 14:30	09/17/14 13:07	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 180-118262/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 118333
Prep Batch: 118262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		0.020	0.0074	mg/L		09/16/14 14:30	09/17/14 13:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*45 - 140*	*09/16/14 14:30*	*09/17/14 13:07*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*45 - 140*	*09/16/14 14:30*	*09/17/14 13:07*	*1*
Tetrachloro-m-xylene	*92*		*45 - 140*	*09/16/14 14:30*	*09/17/14 13:07*	*1*
Tetrachloro-m-xylene	*88*		*45 - 140*	*09/16/14 14:30*	*09/17/14 13:07*	*1*

Lab Sample ID: LCS 180-118262/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 118333
Prep Batch: 118262

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin	0.0100	0.00922		mg/L		92	46 - 137
gamma-BHC (Lindane)	0.0100	0.00956		mg/L		96	55 - 137
Heptachlor	0.0100	0.00984		mg/L		98	57 - 124
Heptachlor epoxide	0.0100	0.00980		mg/L		98	53 - 135
Methoxychlor	0.0100	0.00982		mg/L		98	30 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*102*		*45 - 140*
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 140*
Tetrachloro-m-xylene	*93*		*45 - 140*
Tetrachloro-m-xylene	*88*		*45 - 140*

Lab Sample ID: LB 180-118112/16-B
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: TCLP
Analysis Batch: 118333
Prep Batch: 118262

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0050	0.00066	mg/L		09/16/14 14:30	09/17/14 13:38	1
Endrin	ND		0.00050	0.00039	mg/L		09/16/14 14:30	09/17/14 13:38	1
gamma-BHC (Lindane)	ND		0.00050	0.00032	mg/L		09/16/14 14:30	09/17/14 13:38	1
Heptachlor	ND		0.00050	0.00040	mg/L		09/16/14 14:30	09/17/14 13:38	1
Heptachlor epoxide	ND		0.00050	0.00039	mg/L		09/16/14 14:30	09/17/14 13:38	1
Methoxychlor	ND		0.0010	0.00037	mg/L		09/16/14 14:30	09/17/14 13:38	1
Toxaphene	ND		0.020	0.0074	mg/L		09/16/14 14:30	09/17/14 13:38	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*102*		*45 - 140*	*09/16/14 14:30*	*09/17/14 13:38*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*45 - 140*	*09/16/14 14:30*	*09/17/14 13:38*	*1*
Tetrachloro-m-xylene	*91*		*45 - 140*	*09/16/14 14:30*	*09/17/14 13:38*	*1*
Tetrachloro-m-xylene	*88*		*45 - 140*	*09/16/14 14:30*	*09/17/14 13:38*	*1*

Method: 8081B_LL - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-117967/1-A
Matrix: Water
Analysis Batch: 118520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 117967

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0013	0.00083	ug/L		09/13/14 12:15	09/18/14 16:20	1
alpha-BHC	ND		0.0013	0.00066	ug/L		09/13/14 12:15	09/18/14 16:20	1
alpha-Chlordane	ND		0.0013	0.00098	ug/L		09/13/14 12:15	09/18/14 16:20	1
beta-BHC	ND		0.0013	0.0010	ug/L		09/13/14 12:15	09/18/14 16:20	1
4,4'-DDD	ND		0.0013	0.00067	ug/L		09/13/14 12:15	09/18/14 16:20	1
4,4'-DDE	ND		0.0013	0.00079	ug/L		09/13/14 12:15	09/18/14 16:20	1
4,4'-DDT	ND		0.0013	0.00074	ug/L		09/13/14 12:15	09/18/14 16:20	1
delta-BHC	ND		0.0013	0.00038	ug/L		09/13/14 12:15	09/18/14 16:20	1
Dieldrin	ND		0.0013	0.00082	ug/L		09/13/14 12:15	09/18/14 16:20	1
Endosulfan I	ND		0.0013	0.00094	ug/L		09/13/14 12:15	09/18/14 16:20	1
Endosulfan II	ND		0.0013	0.00098	ug/L		09/13/14 12:15	09/18/14 16:20	1
Endosulfan sulfate	ND		0.0013	0.00057	ug/L		09/13/14 12:15	09/18/14 16:20	1
Endrin	ND		0.0013	0.00096	ug/L		09/13/14 12:15	09/18/14 16:20	1
Endrin aldehyde	ND		0.0013	0.00090	ug/L		09/13/14 12:15	09/18/14 16:20	1
Endrin ketone	ND		0.0013	0.00092	ug/L		09/13/14 12:15	09/18/14 16:20	1
Chlordane (technical)	ND		0.013	0.0017	ug/L		09/13/14 12:15	09/18/14 16:20	1
gamma-BHC (Lindane)	ND		0.0013	0.00080	ug/L		09/13/14 12:15	09/18/14 16:20	1
gamma-Chlordane	ND		0.0013	0.00096	ug/L		09/13/14 12:15	09/18/14 16:20	1
Heptachlor	ND		0.0013	0.00099	ug/L		09/13/14 12:15	09/18/14 16:20	1
Heptachlor epoxide	ND		0.0013	0.00097	ug/L		09/13/14 12:15	09/18/14 16:20	1
Methoxychlor	ND		0.0025	0.00091	ug/L		09/13/14 12:15	09/18/14 16:20	1
Toxaphene	ND		0.10	0.019	ug/L		09/13/14 12:15	09/18/14 16:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*102*		*45 - 122*	*09/13/14 12:15*	*09/18/14 16:20*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*45 - 122*	*09/13/14 12:15*	*09/18/14 16:20*	*1*
Tetrachloro-m-xylene	*94*		*60 - 111*	*09/13/14 12:15*	*09/18/14 16:20*	*1*
Tetrachloro-m-xylene	*91*		*60 - 111*	*09/13/14 12:15*	*09/18/14 16:20*	*1*

Lab Sample ID: LCS 180-117967/2-A
Matrix: Water
Analysis Batch: 118520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 117967

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0250	0.0233		ug/L		93	62 - 113
alpha-BHC	0.0250	0.0211		ug/L		85	58 - 114
alpha-Chlordane	0.0250	0.0220		ug/L		88	59 - 114
beta-BHC	0.0250	0.0183		ug/L		73	37 - 133
4,4'-DDD	0.0250	0.0219		ug/L		87	48 - 120
4,4'-DDE	0.0250	0.0230		ug/L		92	47 - 120
4,4'-DDT	0.0250	0.0238		ug/L		95	39 - 131
delta-BHC	0.0250	0.0203		ug/L		81	20 - 137
Dieldrin	0.0250	0.0234		ug/L		94	51 - 121
Endosulfan I	0.0250	0.0228		ug/L		91	53 - 117
Endosulfan II	0.0250	0.0210		ug/L		84	44 - 122
Endosulfan sulfate	0.0250	0.0205		ug/L		82	42 - 122
Endrin	0.0250	0.0237		ug/L		95	31 - 138
Endrin aldehyde	0.0250	0.0213		ug/L		85	41 - 116

QC Sample Results

Method: 8081B_LL - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 180-117967/2-A
Matrix: Water
Analysis Batch: 118520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 117967

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin ketone	0.0250	0.0215		ug/L		86	45 - 119
gamma-BHC (Lindane)	0.0250	0.0212		ug/L		85	57 - 120
gamma-Chlordane	0.0250	0.0231		ug/L		92	60 - 114
Heptachlor	0.0250	0.0240		ug/L		96	63 - 120
Heptachlor epoxide	0.0250	0.0222		ug/L		89	60 - 120
Methoxychlor	0.0250	0.0223		ug/L		89	35 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*101*		*45 - 122*
DCB Decachlorobiphenyl (Surr)	*93*		*45 - 122*
Tetrachloro-m-xylene	*92*		*60 - 111*
Tetrachloro-m-xylene	*90*		*60 - 111*

Lab Sample ID: LCSD 180-117967/3-A
Matrix: Water
Analysis Batch: 118520

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 117967

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.0250	0.0232		ug/L		93	62 - 113	0	22
alpha-BHC	0.0250	0.0252		ug/L		101	58 - 114	17	20
alpha-Chlordane	0.0250	0.0241		ug/L		96	59 - 114	9	21
beta-BHC	0.0250	0.0314	*	ug/L		126	37 - 133	53	24
4,4'-DDD	0.0250	0.0266		ug/L		106	48 - 120	19	24
4,4'-DDE	0.0250	0.0231		ug/L		92	47 - 120	0	20
4,4'-DDT	0.0250	0.0260		ug/L		104	39 - 131	9	24
delta-BHC	0.0250	0.0262		ug/L		105	20 - 137	25	26
Dieldrin	0.0250	0.0254		ug/L		102	51 - 121	8	20
Endosulfan I	0.0250	0.0233		ug/L		93	53 - 117	2	22
Endosulfan II	0.0250	0.0256		ug/L		102	44 - 122	20	21
Endosulfan sulfate	0.0250	0.0301	*	ug/L		120	42 - 122	38	21
Endrin	0.0250	0.0262		ug/L		105	31 - 138	10	24
Endrin aldehyde	0.0250	0.0334	*	ug/L		134	41 - 116	44	25
Endrin ketone	0.0250	0.0287	*	ug/L		115	45 - 119	29	20
gamma-BHC (Lindane)	0.0250	0.0269	*	ug/L		107	57 - 120	24	21
gamma-Chlordane	0.0250	0.0255		ug/L		102	60 - 114	10	21
Heptachlor	0.0250	0.0233		ug/L		93	63 - 120	3	25
Heptachlor epoxide	0.0250	0.0243		ug/L		97	60 - 120	9	20
Methoxychlor	0.0250	0.0256		ug/L		102	35 - 137	14	27

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*91*		*45 - 122*
DCB Decachlorobiphenyl (Surr)	*86*		*45 - 122*
Tetrachloro-m-xylene	*88*		*60 - 111*
Tetrachloro-m-xylene	*84*		*60 - 111*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 180-117967/1-A
Matrix: Water
Analysis Batch: 118504

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 117967

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.010	0.0025	ug/L		09/13/14 12:15	09/18/14 17:28	1
PCB-1221	ND		0.010	0.0025	ug/L		09/13/14 12:15	09/18/14 17:28	1
PCB-1232	ND		0.010	0.0029	ug/L		09/13/14 12:15	09/18/14 17:28	1
PCB-1242	ND		0.010	0.0019	ug/L		09/13/14 12:15	09/18/14 17:28	1
PCB-1248	ND		0.010	0.0023	ug/L		09/13/14 12:15	09/18/14 17:28	1
PCB-1254	ND		0.010	0.0023	ug/L		09/13/14 12:15	09/18/14 17:28	1
PCB-1260	ND		0.010	0.0014	ug/L		09/13/14 12:15	09/18/14 17:28	1
PCB-1262	ND		0.010	0.0021	ug/L		09/13/14 12:15	09/18/14 17:28	1
PCB-1268	ND		0.010	0.0027	ug/L		09/13/14 12:15	09/18/14 17:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*60 - 135*	*09/13/14 12:15*	*09/18/14 17:28*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*25 - 150*	*09/13/14 12:15*	*09/18/14 17:28*	*1*

Lab Sample ID: MB 180-117967/1-A
Matrix: Water
Analysis Batch: 118509

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 117967

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*60 - 135*	*09/13/14 12:15*	*09/18/14 18:00*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*25 - 150*	*09/13/14 12:15*	*09/18/14 18:00*	*1*

Lab Sample ID: LCS 180-117967/4-A
Matrix: Water
Analysis Batch: 118504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 117967

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*88*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*93*		*25 - 150*

Lab Sample ID: LCS 180-117967/4-A
Matrix: Water
Analysis Batch: 118509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 117967

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	0.888		ug/L		89	55 - 120
PCB-1260	1.00	0.937		ug/L		94	55 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*65*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*82*		*25 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCSD 180-117967/5-A
Matrix: Water
Analysis Batch: 118504

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 117967

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*90*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*94*		*25 - 150*

Lab Sample ID: LCSD 180-117967/5-A
Matrix: Water
Analysis Batch: 118509

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 117967

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	1.00	0.921		ug/L		92	55 - 120	4	25
PCB-1260	1.00	0.956		ug/L		96	55 - 120	2	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*67*		*60 - 135*
Tetrachloro-m-xylene (Surr)	*85*		*25 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-118148/1-A
Matrix: Solid
Analysis Batch: 118504

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 118148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1268	ND		17	2.1	ug/Kg		09/16/14 06:08	09/18/14 15:19	1
PCB-1262	ND		17	3.7	ug/Kg		09/16/14 06:08	09/18/14 15:19	1
PCB-1260	ND		17	2.4	ug/Kg		09/16/14 06:08	09/18/14 15:19	1
PCB-1254	ND		17	2.4	ug/Kg		09/16/14 06:08	09/18/14 15:19	1
PCB-1248	ND		17	1.6	ug/Kg		09/16/14 06:08	09/18/14 15:19	1
PCB-1242	ND		17	2.7	ug/Kg		09/16/14 06:08	09/18/14 15:19	1
PCB-1232	ND		17	2.9	ug/Kg		09/16/14 06:08	09/18/14 15:19	1
PCB-1221	ND		17	3.2	ug/Kg		09/16/14 06:08	09/18/14 15:19	1
PCB-1016	ND		17	2.5	ug/Kg		09/16/14 06:08	09/18/14 15:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*92*		*45 - 125*	*09/16/14 06:08*	*09/18/14 15:19*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*45 - 135*	*09/16/14 06:08*	*09/18/14 15:19*	*1*

Lab Sample ID: MB 180-118148/1-A
Matrix: Solid
Analysis Batch: 118509

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 118148

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*66*		*45 - 125*	*09/16/14 06:08*	*09/18/14 15:51*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*45 - 135*	*09/16/14 06:08*	*09/18/14 15:51*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-118148/2-A
Matrix: Solid
Analysis Batch: 118504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 118148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*96*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*97*		*45 - 135*

Lab Sample ID: LCS 180-118148/2-A
Matrix: Solid
Analysis Batch: 118509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 118148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	1330	1240		ug/Kg		93	50 - 140
PCB-1016	1330	1180		ug/Kg		89	55 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*68*		*45 - 125*
Tetrachloro-m-xylene (Surr)	*85*		*45 - 135*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 180-117974/1-A
Matrix: Water
Analysis Batch: 118190

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 117974

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		4.0	0.45	ug/L		09/13/14 15:06	09/16/14 11:56	20
Silvex (2,4,5-TP)	ND		1.0	0.11	ug/L		09/13/14 15:06	09/16/14 11:56	20

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*72*		*32 - 140*	*09/13/14 15:06*	*09/16/14 11:56*	*20*
2,4-Dichlorophenylacetic acid	*72*		*32 - 140*	*09/13/14 15:06*	*09/16/14 11:56*	*20*

Lab Sample ID: LCS 180-117974/2-A
Matrix: Water
Analysis Batch: 118190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 117974

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	8.00	6.99		ug/L		87	32 - 140
Silvex (2,4,5-TP)	8.00	6.58		ug/L		82	32 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*102*		*32 - 140*
2,4-Dichlorophenylacetic acid	*99*		*32 - 140*

Lab Sample ID: LCSD 180-117974/3-A
Matrix: Water
Analysis Batch: 118190

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 117974

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	8.00	6.82		ug/L		85	32 - 140	3	30

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 180-117974/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 118190 **Prep Batch: 117974**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silvex (2,4,5-TP)			8.00	6.07		ug/L		76	32 - 140	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*100*		*32 - 140*
2,4-Dichlorophenylacetic acid	*100*		*32 - 140*

Lab Sample ID: MB 180-118266/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 118363 **Prep Batch: 118266**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		0.040	0.0045	mg/L		09/16/14 16:30	09/17/14 12:47	20
Silvex (2,4,5-TP)	ND		0.010	0.0011	mg/L		09/16/14 16:30	09/17/14 12:47	20

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*71*		*32 - 140*	*09/16/14 16:30*	*09/17/14 12:47*	*20*
2,4-Dichlorophenylacetic acid	*72*		*32 - 140*	*09/16/14 16:30*	*09/17/14 12:47*	*20*

Lab Sample ID: LCS 180-118266/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 118363 **Prep Batch: 118266**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D			0.0800	0.0518		mg/L		65	32 - 140
Silvex (2,4,5-TP)			0.0800	0.0414		mg/L		52	32 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*83*		*32 - 140*
2,4-Dichlorophenylacetic acid	*85*		*32 - 140*

Lab Sample ID: LB 180-118112/16-D **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: TCLP**
Analysis Batch: 118363 **Prep Batch: 118266**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		0.040	0.0045	mg/L		09/16/14 16:30	09/17/14 14:50	20
Silvex (2,4,5-TP)	ND		0.010	0.0011	mg/L		09/16/14 16:30	09/17/14 14:50	20

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*77*		*32 - 140*	*09/16/14 16:30*	*09/17/14 14:50*	*20*
2,4-Dichlorophenylacetic acid	*78*		*32 - 140*	*09/16/14 16:30*	*09/17/14 14:50*	*20*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 180-118292/1-A
Matrix: Solid
Analysis Batch: 118566

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 118292

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.050	0.0030	mg/L		09/17/14 06:43	09/18/14 10:38	1
Barium	ND		0.20	0.00019	mg/L		09/17/14 06:43	09/18/14 10:38	1
Cadmium	ND		0.050	0.00017	mg/L		09/17/14 06:43	09/18/14 10:38	1
Chromium	ND		0.050	0.0010	mg/L		09/17/14 06:43	09/18/14 10:38	1
Lead	ND		0.050	0.0015	mg/L		09/17/14 06:43	09/18/14 10:38	1
Selenium	ND		0.050	0.0017	mg/L		09/17/14 06:43	09/18/14 10:38	1
Silver	ND		0.050	0.00027	mg/L		09/17/14 06:43	09/18/14 10:38	1

Lab Sample ID: LCS 180-118292/2-A
Matrix: Solid
Analysis Batch: 118566

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 118292

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.500	0.480		mg/L		96	80 - 120
Barium	2.00	1.92		mg/L		96	80 - 120
Cadmium	0.0500	0.0484	J	mg/L		97	80 - 120
Chromium	0.200	0.191		mg/L		96	80 - 120
Lead	0.500	0.469		mg/L		94	80 - 120
Selenium	0.500	0.472		mg/L		94	80 - 120
Silver	0.0500	0.0488	J	mg/L		98	80 - 120

Lab Sample ID: MB 180-118031/1-A
Matrix: Water
Analysis Batch: 118659

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 118031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		200	42	ug/L		09/15/14 06:13	09/19/14 10:17	1
Antimony	ND		10	2.5	ug/L		09/15/14 06:13	09/19/14 10:17	1
Arsenic	ND		10	3.0	ug/L		09/15/14 06:13	09/19/14 10:17	1
Barium	ND		200	0.19	ug/L		09/15/14 06:13	09/19/14 10:17	1
Beryllium	ND		4.0	0.27	ug/L		09/15/14 06:13	09/19/14 10:17	1
Cadmium	ND		5.0	0.17	ug/L		09/15/14 06:13	09/19/14 10:17	1
Calcium	ND		5000	14	ug/L		09/15/14 06:13	09/19/14 10:17	1
Chromium	ND		5.0	1.0	ug/L		09/15/14 06:13	09/19/14 10:17	1
Cobalt	ND		50	0.39	ug/L		09/15/14 06:13	09/19/14 10:17	1
Copper	ND		25	0.85	ug/L		09/15/14 06:13	09/19/14 10:17	1
Iron	19.2	J	100	5.3	ug/L		09/15/14 06:13	09/19/14 10:17	1
Lead	ND		10	1.5	ug/L		09/15/14 06:13	09/19/14 10:17	1
Magnesium	ND		5000	11	ug/L		09/15/14 06:13	09/19/14 10:17	1
Manganese	ND		15	0.094	ug/L		09/15/14 06:13	09/19/14 10:17	1
Nickel	ND		40	0.49	ug/L		09/15/14 06:13	09/19/14 10:17	1
Potassium	43.3	J	5000	41	ug/L		09/15/14 06:13	09/19/14 10:17	1
Selenium	ND		10	1.7	ug/L		09/15/14 06:13	09/19/14 10:17	1
Silver	ND		5.0	0.27	ug/L		09/15/14 06:13	09/19/14 10:17	1
Sodium	ND		5000	21	ug/L		09/15/14 06:13	09/19/14 10:17	1
Thallium	ND		20	1.5	ug/L		09/15/14 06:13	09/19/14 10:17	1
Vanadium	ND		50	1.1	ug/L		09/15/14 06:13	09/19/14 10:17	1
Zinc	ND		20	6.0	ug/L		09/15/14 06:13	09/19/14 10:17	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-118031/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 118659
Prep Batch: 118031

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2000	2140		ug/L		107	80 - 120
Antimony	500	509		ug/L		102	80 - 120
Arsenic	500	511		ug/L		102	80 - 120
Barium	2000	2020		ug/L		101	80 - 120
Beryllium	50.0	52.3		ug/L		105	80 - 120
Cadmium	50.0	53.0		ug/L		106	80 - 120
Calcium	50000	50900		ug/L		102	80 - 120
Chromium	200	199		ug/L		99	80 - 120
Cobalt	500	511		ug/L		102	80 - 120
Copper	250	257		ug/L		103	80 - 120
Iron	1000	1020		ug/L		102	80 - 120
Lead	500	505		ug/L		101	80 - 120
Magnesium	50000	49500		ug/L		99	80 - 120
Manganese	500	481		ug/L		96	80 - 120
Nickel	500	518		ug/L		104	80 - 120
Potassium	50000	49400		ug/L		99	80 - 120
Selenium	500	508		ug/L		102	80 - 120
Silver	50.0	53.7		ug/L		107	80 - 120
Sodium	50000	51600		ug/L		103	80 - 120
Thallium	500	493		ug/L		99	80 - 120
Vanadium	500	514		ug/L		103	80 - 120
Zinc	500	502		ug/L		100	80 - 120

Lab Sample ID: LB 180-118112/16-E
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: TCLP
Analysis Batch: 118566
Prep Batch: 118292

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.030	mg/L		09/17/14 06:43	09/18/14 10:44	1
Barium	0.0104	J	2.0	0.0019	mg/L		09/17/14 06:43	09/18/14 10:44	1
Cadmium	ND		0.50	0.0017	mg/L		09/17/14 06:43	09/18/14 10:44	1
Chromium	ND		0.50	0.010	mg/L		09/17/14 06:43	09/18/14 10:44	1
Lead	ND		0.50	0.015	mg/L		09/17/14 06:43	09/18/14 10:44	1
Selenium	ND		0.50	0.017	mg/L		09/17/14 06:43	09/18/14 10:44	1
Silver	ND		0.50	0.0027	mg/L		09/17/14 06:43	09/18/14 10:44	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-118057/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 118114
Prep Batch: 118057

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.038	ug/L		09/15/14 09:30	09/15/14 12:04	1

QC Sample Results

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 180-118057/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 118114
Prep Batch: 118057

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.61		ug/L		105	80 - 120

Lab Sample ID: LCSD 180-118057/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 118114
Prep Batch: 118057

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	2.50	2.57		ug/L		103	80 - 120	2	20

Lab Sample ID: MB 180-118343/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 118411
Prep Batch: 118343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000038	mg/L		09/17/14 09:11	09/17/14 14:59	1

Lab Sample ID: LCS 180-118343/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 118411
Prep Batch: 118343

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00261		mg/L		104	80 - 120

Lab Sample ID: LB 180-118112/16-F
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: TCLP
Analysis Batch: 118411
Prep Batch: 118343

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000038	mg/L		09/17/14 09:11	09/17/14 15:03	1

Method: 1010A - Ignitability, Pensky-Martens Closed Cup Method

Lab Sample ID: LCS 180-119199/1
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 119199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	82.00		Degrees F		101	96 - 103

Lab Sample ID: LCSD 180-119199/2
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 119199

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Flashpoint	81.0	78.00		Degrees F		96	96 - 103	5	20

QC Sample Results

Method: 9014 - Cyanide

Lab Sample ID: MB 180-118519/4-A
Matrix: Solid
Analysis Batch: 118565

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 118519

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.15	mg/Kg		09/18/14 10:20	09/18/14 12:45	1

Lab Sample ID: HLCS 180-118519/2-A
Matrix: Solid
Analysis Batch: 118565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 118519

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.230		mg/Kg		92	90 - 110

Lab Sample ID: LCS 180-118519/3-A
Matrix: Solid
Analysis Batch: 118565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 118519

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	101	88.9		mg/Kg		88	38 - 162

Lab Sample ID: LLCS 180-118519/1-A
Matrix: Solid
Analysis Batch: 118565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 118519

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0478		mg/Kg		96	90 - 110

Lab Sample ID: MB 180-118818/4-A
Matrix: Water
Analysis Batch: 118981

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 118818

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		10	3.2	ug/L		09/22/14 08:10	09/23/14 06:47	1

Lab Sample ID: HLCS 180-118818/2-A
Matrix: Water
Analysis Batch: 118981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 118818

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	251	249		ug/L		99	90 - 110

Lab Sample ID: LCS 180-118818/3-A
Matrix: Water
Analysis Batch: 118981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 118818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	200	187		ug/L		94	85 - 115

Lab Sample ID: LLCS 180-118818/1-A
Matrix: Water
Analysis Batch: 118981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 118818

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	50.0	51.2		ug/L		102	90 - 110

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 180-118178/1-A
Matrix: Water
Analysis Batch: 118239

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 118178

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		3.0	0.59	mg/L		09/16/14 09:04	09/16/14 14:33	1

Lab Sample ID: LCS 180-118178/2-A
Matrix: Water
Analysis Batch: 118239

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 118178

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide			19.2	16.9		mg/L		88	85 - 115		

Lab Sample ID: MB 180-118345/1-A
Matrix: Solid
Analysis Batch: 118406

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 118345

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		30	6.0	mg/Kg		09/17/14 09:37	09/17/14 14:41	1

Lab Sample ID: LCS 180-118345/2-A
Matrix: Solid
Analysis Batch: 118406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 118345

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide			192	176		mg/Kg		91	85 - 115		

Method: 9040C - pH

Lab Sample ID: LCS 180-118886/1
Matrix: Water
Analysis Batch: 118886

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			7.00	7.020		SU		100	99 - 101		

Method: 9045D - pH

Lab Sample ID: LCS 180-118999/1
Matrix: Solid
Analysis Batch: 118999

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			7.00	7.050		SU		101	99 - 101		

GC/MS VOA

Leach Batch: 118558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 180-118558/8-A	Method Blank	TCLP	Solid	1311	

Leach Batch: 118704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	TCLP	Solid	1311	

Analysis Batch: 118947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	TCLP	Solid	8260C	118704
LB 180-118558/8-A	Method Blank	TCLP	Solid	8260C	118558
LCS 180-118947/27	Lab Control Sample	Total/NA	Solid	8260C	

Analysis Batch: 119118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	8260C	
LCS 180-119118/9	Lab Control Sample	Total/NA	Water	8260C	
MB 180-119118/6	Method Blank	Total/NA	Water	8260C	

GC/MS Semi VOA

Leach Batch: 118112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	TCLP	Solid	1311	
LB 180-118112/16-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 118263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	TCLP	Solid	3510C	118112
LB 180-118112/16-C	Method Blank	TCLP	Solid	3510C	118112
LCS 180-118263/2-A	Lab Control Sample	Total/NA	Solid	3510C	
MB 180-118263/1-A	Method Blank	Total/NA	Solid	3510C	

Analysis Batch: 118270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	TCLP	Solid	8270D	118263
LB 180-118112/16-C	Method Blank	TCLP	Solid	8270D	118263
LCS 180-118263/2-A	Lab Control Sample	Total/NA	Solid	8270D	118263
MB 180-118263/1-A	Method Blank	Total/NA	Solid	8270D	118263

Prep Batch: 118331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	3520C	
LCS 180-118331/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 180-118331/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 180-118331/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 118469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	8270D LL	118331
LCS 180-118331/2-A	Lab Control Sample	Total/NA	Water	8270D LL	118331

GC/MS Semi VOA (Continued)

Analysis Batch: 118469 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 180-118331/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	118331
MB 180-118331/1-A	Method Blank	Total/NA	Water	8270D LL	118331

GC Semi VOA

Prep Batch: 117967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	3510C	
LCS 180-117967/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 180-117967/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 180-117967/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 180-117967/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 180-117967/1-A	Method Blank	Total/NA	Water	3510C	

Prep Batch: 117974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	8151A	
LCS 180-117974/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 180-117974/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	
MB 180-117974/1-A	Method Blank	Total/NA	Water	8151A	

Leach Batch: 118112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	TCLP	Solid	1311	
LB 180-118112/16-B	Method Blank	TCLP	Solid	1311	
LB 180-118112/16-D	Method Blank	TCLP	Solid	1311	

Prep Batch: 118148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	Total/NA	Solid	3541	
LCS 180-118148/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 180-118148/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 118190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	8151A	117974
LCS 180-117974/2-A	Lab Control Sample	Total/NA	Water	8151A	117974
LCSD 180-117974/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	117974
MB 180-117974/1-A	Method Blank	Total/NA	Water	8151A	117974

Prep Batch: 118262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	TCLP	Solid	3510C	118112
LB 180-118112/16-B	Method Blank	TCLP	Solid	3510C	118112
LCS 180-118262/2-A	Lab Control Sample	Total/NA	Solid	3510C	
MB 180-118262/1-A	Method Blank	Total/NA	Solid	3510C	

Prep Batch: 118266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	TCLP	Solid	8151A	118112

GC Semi VOA (Continued)

Prep Batch: 118266 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 180-118112/16-D	Method Blank	TCLP	Solid	8151A	118112
LCS 180-118266/2-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 180-118266/1-A	Method Blank	Total/NA	Solid	8151A	

Analysis Batch: 118333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	TCLP	Solid	8081B	118262
LB 180-118112/16-B	Method Blank	TCLP	Solid	8081B	118262
LCS 180-118262/2-A	Lab Control Sample	Total/NA	Solid	8081B	118262
MB 180-118262/1-A	Method Blank	Total/NA	Solid	8081B	118262

Analysis Batch: 118363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	TCLP	Solid	8151A	118266
LB 180-118112/16-D	Method Blank	TCLP	Solid	8151A	118266
LCS 180-118266/2-A	Lab Control Sample	Total/NA	Solid	8151A	118266
MB 180-118266/1-A	Method Blank	Total/NA	Solid	8151A	118266

Cleanup Batch: 118447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	Total/NA	Solid	3665A	118148

Cleanup Batch: 118448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	Total/NA	Solid	3660B	118447

Analysis Batch: 118504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	8082A	117967
LCS 180-117967/4-A	Lab Control Sample	Total/NA	Water	8082A	117967
LCS 180-118148/2-A	Lab Control Sample	Total/NA	Solid	8082A	118148
LCSD 180-117967/5-A	Lab Control Sample Dup	Total/NA	Water	8082A	117967
MB 180-117967/1-A	Method Blank	Total/NA	Water	8082A	117967
MB 180-118148/1-A	Method Blank	Total/NA	Solid	8082A	118148

Analysis Batch: 118509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	8082A	117967
LCS 180-117967/4-A	Lab Control Sample	Total/NA	Water	8082A	117967
LCS 180-118148/2-A	Lab Control Sample	Total/NA	Solid	8082A	118148
LCSD 180-117967/5-A	Lab Control Sample Dup	Total/NA	Water	8082A	117967
MB 180-117967/1-A	Method Blank	Total/NA	Water	8082A	117967
MB 180-118148/1-A	Method Blank	Total/NA	Solid	8082A	118148

Analysis Batch: 118520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	8081B_LL	117967
LCS 180-117967/2-A	Lab Control Sample	Total/NA	Water	8081B_LL	117967
LCSD 180-117967/3-A	Lab Control Sample Dup	Total/NA	Water	8081B_LL	117967
MB 180-117967/1-A	Method Blank	Total/NA	Water	8081B_LL	117967

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Former Sperry Remington Site - North

TestAmerica Job ID: 180-36613-1

GC Semi VOA (Continued)

Analysis Batch: 118691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	Total/NA	Solid	8082A	118448

Analysis Batch: 118698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	Total/NA	Solid	8082A	118448

Prep Batch: 147529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	3520C	
LCS 240-147529/5-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-147529/4-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 147940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	Total/NA	Solid	3546	
180-36613-1 MS	SSHS-SW	Total/NA	Solid	3546	
180-36613-1 MSD	SSHS-SW	Total/NA	Solid	3546	
LCS 240-147940/13-A	Lab Control Sample	Total/NA	Solid	3546	
MB 240-147940/12-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 148041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	8015D	147529
LCS 240-147529/5-A	Lab Control Sample	Total/NA	Water	8015D	147529
LCS 240-147940/13-A	Lab Control Sample	Total/NA	Solid	8015D	147940
MB 240-147529/4-A	Method Blank	Total/NA	Water	8015D	147529
MB 240-147940/12-A	Method Blank	Total/NA	Solid	8015D	147940

Analysis Batch: 148150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	Total/NA	Solid	8015D	147940
180-36613-1 MS	SSHS-SW	Total/NA	Solid	8015D	147940
180-36613-1 MSD	SSHS-SW	Total/NA	Solid	8015D	147940

Metals

Prep Batch: 118031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total Recoverable	Water	3005A	
LCS 180-118031/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 180-118031/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 118057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	7470A	
LCS 180-118057/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 180-118057/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
MB 180-118057/1-A	Method Blank	Total/NA	Water	7470A	

Metals (Continued)

Leach Batch: 118112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	TCLP	Solid	1311	
LB 180-118112/16-E	Method Blank	TCLP	Solid	1311	
LB 180-118112/16-F	Method Blank	TCLP	Solid	1311	

Analysis Batch: 118114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	7470A	118057
LCS 180-118057/2-A	Lab Control Sample	Total/NA	Water	7470A	118057
LCSD 180-118057/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	118057
MB 180-118057/1-A	Method Blank	Total/NA	Water	7470A	118057

Prep Batch: 118292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	TCLP	Solid	3010A	118112
LB 180-118112/16-E	Method Blank	TCLP	Solid	3010A	118112
LCS 180-118292/2-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 180-118292/1-A	Method Blank	Total/NA	Solid	3010A	

Prep Batch: 118343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	TCLP	Solid	7470A	118112
LB 180-118112/16-F	Method Blank	TCLP	Solid	7470A	118112
LCS 180-118343/2-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 180-118343/1-A	Method Blank	Total/NA	Solid	7470A	

Analysis Batch: 118411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	TCLP	Solid	7470A	118343
LB 180-118112/16-F	Method Blank	TCLP	Solid	7470A	118343
LCS 180-118343/2-A	Lab Control Sample	Total/NA	Solid	7470A	118343
MB 180-118343/1-A	Method Blank	Total/NA	Solid	7470A	118343

Analysis Batch: 118566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	TCLP	Solid	6010C	118292
LB 180-118112/16-E	Method Blank	TCLP	Solid	6010C	118292
LCS 180-118292/2-A	Lab Control Sample	Total/NA	Solid	6010C	118292
MB 180-118292/1-A	Method Blank	Total/NA	Solid	6010C	118292

Analysis Batch: 118659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total Recoverable	Water	6010C	118031
LCS 180-118031/2-A	Lab Control Sample	Total Recoverable	Water	6010C	118031
MB 180-118031/1-A	Method Blank	Total Recoverable	Water	6010C	118031

General Chemistry

Prep Batch: 118178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	9030B	

General Chemistry (Continued)

Prep Batch: 118178 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-118178/2-A	Lab Control Sample	Total/NA	Water	9030B	
MB 180-118178/1-A	Method Blank	Total/NA	Water	9030B	

Analysis Batch: 118226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	Total/NA	Solid	2540G	

Analysis Batch: 118239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	9034	118178
LCS 180-118178/2-A	Lab Control Sample	Total/NA	Water	9034	118178
MB 180-118178/1-A	Method Blank	Total/NA	Water	9034	118178

Prep Batch: 118345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	Total/NA	Solid	9030B	
LCS 180-118345/2-A	Lab Control Sample	Total/NA	Solid	9030B	
MB 180-118345/1-A	Method Blank	Total/NA	Solid	9030B	

Analysis Batch: 118387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	Total/NA	Solid	1020B	

Analysis Batch: 118406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	Total/NA	Solid	9034	118345
LCS 180-118345/2-A	Lab Control Sample	Total/NA	Solid	9034	118345
MB 180-118345/1-A	Method Blank	Total/NA	Solid	9034	118345

Prep Batch: 118519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	Total/NA	Solid	9010C	
HLCS 180-118519/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-118519/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-118519/1-A	Lab Control Sample	Total/NA	Solid	9010C	
MB 180-118519/4-A	Method Blank	Total/NA	Solid	9010C	

Analysis Batch: 118565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	Total/NA	Solid	9014	118519
HLCS 180-118519/2-A	Lab Control Sample	Total/NA	Solid	9014	118519
LCS 180-118519/3-A	Lab Control Sample	Total/NA	Solid	9014	118519
LLCS 180-118519/1-A	Lab Control Sample	Total/NA	Solid	9014	118519
MB 180-118519/4-A	Method Blank	Total/NA	Solid	9014	118519

Prep Batch: 118818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	9010C	
HLCS 180-118818/2-A	Lab Control Sample	Total/NA	Water	9010C	
LCS 180-118818/3-A	Lab Control Sample	Total/NA	Water	9010C	
LLCS 180-118818/1-A	Lab Control Sample	Total/NA	Water	9010C	

General Chemistry (Continued)

Prep Batch: 118818 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-118818/4-A	Method Blank	Total/NA	Water	9010C	

Analysis Batch: 118886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	9040C	
LCS 180-118886/1	Lab Control Sample	Total/NA	Water	9040C	

Analysis Batch: 118981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	9014	118818
HLCS 180-118818/2-A	Lab Control Sample	Total/NA	Water	9014	118818
LCS 180-118818/3-A	Lab Control Sample	Total/NA	Water	9014	118818
LLCS 180-118818/1-A	Lab Control Sample	Total/NA	Water	9014	118818
MB 180-118818/4-A	Method Blank	Total/NA	Water	9014	118818

Analysis Batch: 118999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-1	SSHS-SW	Total/NA	Solid	9045D	
LCS 180-118999/1	Lab Control Sample	Total/NA	Solid	9045D	

Analysis Batch: 119199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-36613-2	SSHS-LW	Total/NA	Water	1010A	
LCS 180-119199/1	Lab Control Sample	Total/NA	Water	1010A	
LCSD 180-119199/2	Lab Control Sample Dup	Total/NA	Water	1010A	

TestAmerica Pittsburgh
301 Alpha Drive

Pittsburgh, PA 15238
Phone: 412.963.7058 Fax: 412.963.2470

Chain of Custody Record

050336

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Aron Krasnopoler	Site Contact: Adam Gray	Date: 9/11/2014
Company Name: GeoSyntec Consultants	Tel/Fax: 410-381-4333	Lab Contact: David Dunlap	Carrier: Fedex
Address: 10220 Old Columbia Rd, Suite A			
City/State/Zip: Columbia, md 21046			
Phone: 410-381-4333			
Fax:			
Project Name: Former Sperry Remington Site-North			
Site:			
PO # MN0832			

COC No:
1 of 2 COCs
Sampler: ARW
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:

Analysis Turnaround Time
☐ CALENDAR DAYS ☐ WORKING DAYS
TAT if different from Below Normal
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	8270D - TCLP SVOCs	8081B - TCLP Pesticides	8151A - TCLP Herbicides	6010C - TCLP Metals	7470A - Mercury	9014 - Cyanide total	9034 - Calc - Sulfide	1020B - Ignitability	9045D - PH	Moisture	8082A - Somoli2 PCBs	8260C - TCLP Volatiles	8015D_DRO	1010A - Flash point	8270D-LL-mod Somosi SOVC + 1,4-dioxane	9040C - PH	Sample Specific Notes:
SSHS-SW	9/11/14	12:30	C	Solid	5	N	N	X	X	X	X	X	X	X	X	X	X	X	X	X		*		
SSHS-LW	9/11/14	13:30	C	water	17	N	N					X	X	X						X	X	X	X	

180-36613 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for________ Months

Special Instructions/QC Requirements & Comments:
Bubble in 40ml glass voas

9/12/14 900

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temp. (°C): Obs'd:______ Corr'd:______ Therm ID No.:______

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TAPgH	9/12/14 0900		TAPgH	9/12/14 0900
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Pittsburgh
301 Alpha Drive

Pittsburgh, PA 15238
Phone: 412.963.7058 Fax: 412.963.2470

Chain of Custody Record

050337

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	**Project Manager:** Aron Krasnopoler	**Site Contact:** Adam Gray	**Date:** 9/11/14
Company Name: Geosyntec Consultants	Tel/Fax:	**Lab Contact:** Dave dunlap	**Carrier:** Fedex

COC No:
2 of 2 COCs
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:

Address: 10220 Old Columbia Rd, Suite A
City/State/Zip: Columbia, Md, 21046
Phone: 410-381-4333
Fax:
Project Name: Former Sperry Remington Site-North
Site:
P O # MN0832

Analysis Turnaround Time
☐ CALENDAR DAYS ☐ WORKING DAYS
TAT if different from Below Normal
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6010C - TAL Metals	[illegible]	8260C LL-SOM01.2	8082A LL-SOM01.2	8081B LL-SOM01.2	8151A - Herbicides	Sample Specific Notes:
SSHS-SW	9/11/14	12:30	C	Solid	5									
SSHS-LW	9/11/14	13:30	C	Water	17			X		X	X	X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ________ Months

Special Instructions/QC Requirements & Comments: Bubbles in 40ml glass Voas

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temp. (°C): Obs'd:________ Corr'd:________ Therm ID No.:________

Relinquished by:	Company: TAPgh	Date/Time: 9/12/14 0800	Received by:	Company: TAPgh	Date/Time: 9/12/14 0900
Relinquished by:	Company: 9/12/14 0800	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-36613-1

Login Number: 36613

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Kovitch, Christina M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX F
Data Usability Reports (DUSR)

Geosyntec consultants

2240 Sutherland Avenue, Suite 107
Knoxville, TN 37919
PH 865.330.0037
FAX 865.330.9949
www.geosyntec.com

Memorandum

Date: 12 September 2014

To: Aron Krasnopler

From: Mary Tyler

CC: J. Caprio

Subject: **Stage 4 Data Validation - Level IV Data Deliverable – Volatile Organic Compounds by EPA Methods 8260C and 5035/8260C, Semivolatile Organic Compounds by EPA Methods 3541/8270D, Polychlorinated Biphenyls by EPA Methods 3510C/8082A and 3541/8082A, Metals by EPA Methods 3050B/6010C, Mercury by EPA Method 7471B and Percent Moisture/Solids by Standard Method 2540G– TestAmerica Work Order Numbers 180-35053-1, Revision 1 and 180-35053-2, Revision 1**

SITE: Former Sperry Remington Site-North

INTRODUCTION

This report summarizes the findings of the Stage 4 data validation of forty-one solid samples, two matrix spike/matrix spike duplicate (MS/MSD) pairs, four field duplicate samples and one equipment blank, collected on July 21, 2014, as part of the Former Sperry Remington Site-North sampling event. The analyses were performed at TestAmerica Laboratories, Inc., Pittsburgh, Pennsylvania. The samples were analyzed for the following tests:

- EPA Methods 8260C and 5030B/8260C - Volatile Organic Compounds (VOCs) and Tentatively Identified Compounds (TICs)
- EPA Methods 3541/8270D - Semivolatile Organic Compounds (SVOCs) and TICs
- EPA Methods 3510C/8082A and 3541/8082A - Polychlorinated Biphenyls (PCBs)
- EPA Methods 3050B/6010C – Metals
- EPA Method 7471B – Mercury
  Standard Method 2540G - Percent Moisture/Solids

EXECUTIVE SUMMARY

The samples were handled, prepared, and measured in the same manner under similar prescribed conditions.

Overall, based on this Stage 4 data validation covering the quality control (QC) parameters listed below, the data as qualified are usable for meeting project objectives, with the following exceptions. Qualified data should be used within the limitations of the qualification.

The average relative response factors (RRFs) in the initial calibrations for 1,4-dioxane, analyzed by EPA method 8260C, were 0.0022 and 0.0024, below the method criteria of 0.0100 and also below the validation criteria of 0.0050. Therefore, the undetected values of 1,4-dioxane in the associated samples were R qualified as rejected

The organic data were reviewed based on the Quality Assurance Project Plan (QAPP)/Field Sampling Plan (FSP), Former Sperry Remington Site-North Portion, 777 South Main Street, City of Elmira, Chemung County, NY, NYSDEC Project 808022, Geosyntec Project Number MN0832, July 2014, Agency Review Draft, USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008 (USEPA-540-R-08-01), as well as by the pertinent methods referenced by the data package and professional and technical judgment.

The inorganic data were reviewed based on the QAPP/FSP, USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, OSWER 9240.1-51, EPA 540-R-10-011, January 2010, as well as by the pertinent methods referenced by the data package and professional and technical judgment.

The following sample was analyzed and validated at a Stage 4 level in the data set:

Laboratory ID	**Client ID**
180-35053-1	SSHS-FB5-A-SS
180-35053-2	SSHS-FB5-A-SUB-1.5
180-35053-2 MS	SSHS-FB5-A-SUB-1.5 MS
180-35053-2 MSD	SSHS-FB5-A-SUB-1.5 MSD
180-35053-3	SSHS-FB5-A-SUB-2.5
180-35053-4	SSHS-FB5-B-SS
180-35053-5	SSHS-FB5-B-SUB-1.5
180-35053-6	SSHS-FB5-B-SUB-2.5
180-35053-7	SSHS-FB5-C-SS
180-35053-8	SSHS-FB5-C-SUB-1.5
180-35053-9	SSHS-FB5-C-SUB-2.5
180-35053-10	SSHS-FB5-D-SS
180-35053-11	SSHS-FB5-D-SUB-1.5
180-35053-12	SSHS-FB5-D-SUB-2.5
180-35053-13	SSHS-FB5-E-SS
180-35053-14	SSHS-FB5-E-SUB-1.5
180-35053-15	SSHS-FB5-E-SUB-2.5
180-35053-16	SSHS-FB5-DUP1

Laboratory ID	**Client ID**
180-35053-17	SSHS-B47-A-SS
180-35053-18	SSHS-SS14-A-SS
180-35053-19	SSHS-B34-A-SS
180-35053-20	SSHS-B46-A-SS
180-35053-21	SSHS-B32-A-SS
180-35053-22	SSHS-B9-A-SS
180-35053-23	EB-20140721
180-35053-24	SSHS-FB7-D-SS
180-35053-25	SSHS-FB7-D-SUB-0.17-1
180-35053-26	SSHS-FB7-D-SUB-1-2
180-35053-26 MS	SSHS-FB7-D-SUB-1-2 MS
180-35053-26 MSD	SSHS-FB7-D-SUB-1-2 MSD
180-35053-27	SSHS-FB7-D-SUB-2-3
180-35053-28	SSHS-FB7-A-SS
180-35053-29	SSHS-FB7-A-SUB-0.17-1
180-35053-30	SSHS-FB7-A-SUB-1-2
180-35053-31	SSHS-FB7-A-SUB-2-3
180-35053-32	SSHS-FB7-B-SS

Laboratory ID	Client ID
180-35053-33	SSHS-FB7-B-SUB-0.17-1
180-35053-34	SSHS-FB7-B-SUB-1-2
180-35053-35	SSHS-FB7-B-SUB-2-3
180-35053-36	SSHS-FB7-E-SS
180-35053-37	SSHS-FB7-E-SUB-0.17-1
180-35053-38	SSHS-FB7-E-SUB-1-2
180-35053-39	SSHS-FB7-E-SUB-2-3

Laboratory ID	Client ID
180-35053-40	SSHS-FB7-C-SS
180-35053-41	SSHS-FB7-C-SUB-0.17-1
180-35053-42	SSHS-FB7-C-SUB-1-2
180-35053-43	SSHS-FB7-C-SUB-2-3
180-35053-44	SSHS-FB7-DUP4
180-35053-45	SSHS-FB7-DUP2
180-35053-46	SSHS-FB7-DUP3

The samples were received at the laboratory at 0.6°C, within the QAPP criteria of <6°C. No sample preservation issues were noted by the laboratory.

Incorrect error corrections were observed on the chain of custody (COC). The proper procedure of a single strike-through correction and initials and date of the person making the correction was not followed.

No times of collection were listed on the COC for the field duplicate samples. The laboratory assigned the collection times of 00:00.

It was noted that the sample IDs in the electronic data deliverable (EDD) included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC.

The solids data, used to report the samples on a dry weight bases, were not validated.

TICs were reported with the VOC and SVOC data. As there is no validation guidance for TICs, the TIC data were not validated. In addition, a request was made by the client to reextract/reanalyze sample SSHS-FB7-D-SUB-2-3 to confirm the original sample PCB results. The report with the results of this reextraction/reanalysis was identified as 180-352053-2 Revision 1; the data in this report was not validated.

The laboratory revised the PCB results; the sample and standard chromatographic peaks for the PCBs were re-integrated in a more consistent manner. The revised report was identified as 180-35053-1, Revision 1.

1.0 VOLATILE ORGANIC COMPOUNDS

Fifteen solid samples, one MS/MSD pair, one equipment blank and one field duplicate were analyzed for VOCs per EPA Methods 8260C and 5030B/8260C.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Times
✓ Instrument Performance Check
⊗ Initial Calibration
✓ Continuing Calibration Verification
✓ Method Blanks
⊗ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
⊗ Equipment Blank
⊗ Field Duplicate
✓ Internal Standards
✓ Target Compound Identifications
✓ Target Compound Quantitations
✓ Sensitivity
⊗ Electronic Data Deliverable Review

1.1 Overall Assessment

The VOC data reported in this package are considered to be usable for meeting project objectives, with the following exception. The analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 98.1%. The average RRFs for 1,4-dioxane were 0.0022 and 0.0024, below the method criteria of 0.0100 and also below the validation criteria of 0.0050. Therefore, the undetected values of 1,4-dioxane in the associated samples were R qualified as rejected.

1.2 Holding Times

The holding times for a solid sample are 48 hours from collection to extraction and 14 days from collection to analysis. The holding time for a preserved water sample is 14 days from collection to analysis. The holding times were met for the sample analyses.

1.3 Instrument Performance Check

An instrument performance check sample (tune standard) was analyzed at the beginning of each 12-hour period during sample analysis. The samples were analyzed within the 12-hour period. All ion abundance criteria were met for bromofluorobenzene (BFB).

1.4 Initial Calibration

Appropriate initial calibrations were performed for each analyte. Based on the method of calibration, the laboratory calculated percent relative standard deviation (%RSD) of the RRFs. For the target analytes, the average RRFs and the %RSDs were within the method and validation criteria for the target compounds or the coefficient of determination (r^2) was greater than or equal to 0.990 for the curve fit calibrations. The minimum average RRFs for compounds were above the method and/or the validation criteria, with the following exceptions.

The average RRF for 1,4-dioxane was 0.0022, below the method criteria of 0.0100 and also below the validation criteria of 0.0050 in the initial calibration associated with the soil samples. Therefore, the undetected values of 1,4-dioxane in the associated soil samples were R qualified as rejected.

The average RRF for 1,4-dioxane was 0.0024, below the method criteria of 0.0100 and also below the validation criteria of 0.0050 in the initial calibration associated with the water sample. Therefore, the undetected values of 1,4-dioxane in the associated sample (the equipment blank) was R qualified as rejected.

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier*	Reason Code**
SSHS-FB5-A-SS	1,4-Dioxane	320	U	320	R	9
SSHS-FB5-A-SUB-1.5	1,4-Dioxane	320	U	320	R	9
SSHS-FB5-A-SUB-2.5	1,4-Dioxane	230	U	230	R	9
SSHS-FB5-B-SS	1,4-Dioxane	370	U	370	R	9
SSHS-FB5-B-SUB-1.5	1,4-Dioxane	260	U	260	R	9
SSHS-FB5-B-SUB-2.5	1,4-Dioxane	240	U	240	R	9
SSHS-FB5-C-SS	1,4-Dioxane	420	U	420	R	9
SSHS-FB5-C-SUB-1.5	1,4-Dioxane	310	U	310	R	9
SSHS-FB5-C-	1,4-Dioxane	450	U	450	R	9

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier*	Reason Code**
SUB-2.5						
SSHS-FB5-D-SS	1,4-Dioxane	330	U	330	R	9
SSHS-FB5-D-SUB-1.5	1,4-Dioxane	200	U	200	R	9
SSHS-FB5-D-SUB-2.5	1,4-Dioxane	340	U	340	R	9
SSHS-FB5-DUP1	1,4-Dioxane	480	U	480	R	9
SSHS-FB5-E-SS	1,4-Dioxane	310	U	310	R	9
SSHS-FB5-E-SUB-1.5	1,4-Dioxane	280	U	280	R	9
SSHS-FB5-E-SUB-2.5	1,4-Dioxane	250	U	250	R	9

µg/kg-microgram per kilogram
U-not detected at the reported method detection limit (MDL)
*Validation qualifiers are defined in Attachment 1 at the end of this report
**EDD reason codes are defined in Attachment 2 at the end of this report

Sample ID	Compound	Laboratory Concentration (µg/L)	Laboratory Flag	Validation Concentration (µg/L)	Validation Qualifier	Reason Code
EB-20140721	1,4-Dioxane	34	U	34	R	9

µg/L-microgram per liter
U-not detected at the reported MDL

1.5 Continuing Calibration Verification (CCV)

For the target analytes, the CCVs were performed at the required frequency. The percent difference or percent drift (%D) between the RRFs in the initial and continuing calibration standards for the target analytes were within the method acceptance criteria of less than or equal to 20% and/or the validation criteria of 40% for poor performing compounds and 25% for the other compounds, with the following exceptions.

The %Ds for bromomethane (31.1%) and 1,2-Trichloro-1,2,2-trifluoroethane (33.2%) were outside the method and validation criteria in the CCV analyzed with sample SSHS-FB5-E-SUB-2.5, both with high biases. However, since these two compounds were not detected in the associated sample, no qualifications were applied to the data.

1.6 Method Blanks

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three method blanks were reported with the data (batches 112281, 112413 and 112620). VOCs were not detected in the method blanks above the method detection limits (MDLs).

1.7 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD pairs were analyzed at the proper frequency for the number and types of samples analyzed (one pair per batch of 20 samples). A sample set specific MS/MSD pair, using sample SSHS-FB5-A-SUB-1.5, was reported. The MS/MSD pair had recovery and relative percent difference (RPD) results within the QAPP and laboratory specified acceptance criteria, with the following exceptions.

One or both of the recoveries and/or the RPDs for the following compounds were high and outside the laboratory specified acceptance criteria: carbon disulfide, chlorodibromomethane, o-xylene, PCE, toluene, tetrachloroethene, trans-1,3-dichloropropene and 1,1,2-trichloroethane. Since these compounds were not detected in sample SSHS-FB5-A-SUB-1.5, no qualifications were applied to the data. In addition, the MS recovery of styrene was low and outside the laboratory specified acceptance criteria. Therefore, the undetected value of styrene in sample SSHS-FB5-A-SUB-1.5 was UJ qualified as estimated less than the MDL.

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-FB5-A-SUB-1.5	Styrene	0.83	U	0.83	UJ	4

µg/kg-microgram per kilogram
U-not detected at the reported MDL

1.8 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three LCSs were reported. The results for the LCS were within the QAPP and laboratory specified acceptance criteria for recovery, with the following exception.

The recovery of trans-1,3-dichloropropene was high and outside the laboratory specified acceptance criteria in batch 112620. Since trans-1,3-dichloropropene was not detected in the associated sample, no qualifications were applied to the data.

It was noted that 1,4-dioxane was spiked into the soil LCSs and 1,4-dioxane and methyl acetate were spiked into the water LCS, but the recovery results were not reported. The spike concentrations were sent by the laboratory to the data validator and based on the recoveries calculated by the data validator, the recoveries were within the laboratory specified acceptance criteria.

1.9 Surrogates

Acceptable surrogate recoveries were reported for the sample analyses, with the following exception.

The recovery of toluene-d8 in sample SSHS-FB5-B-SUB-1.5 was high and outside the laboratory specified acceptance criteria. Since the other three surrogate recoveries were acceptable, no qualifications were applied to sample SSHS-FB5-B-SUB-1.5, based on professional and technical judgment.

1.10 Equipment Blank

An equipment blank, EB-20140721, was collected with the sample set. VOCs were not detected in the equipment blank above the MDLs, with the following exceptions.

Acetone and methylene chloride were detected in the equipment blank at estimated concentrations greater than the MDLs and less than the reporting limits (RLs). Therefore, the estimated acetone and methylene chloride concentrations in the associated samples were U qualified as not detected at the RLs.

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
SSHS-FB5-B-SUB-1.5	Acetone	6.6	J	19	U	3
EB-20140721	Methylene Chloride	0.38	J	1.0	U	3
SSHS-FB5-B-SS	Methylene Chloride	3.1	J	6.8	U	3
SSHS-FB5-B-SUB-1.5	Methylene Chloride	0.70	J	4.7	U	3
SSHS-FB5-C-SS	Methylene Chloride	6.0	J	7.5	U	3

µg/kg-microgram per kilogram
U-not detected at the reported MDL

1.11 Field Duplicate

One field duplicate sample, SSHS-FB5-DUP1, was collected with the sample set. Acceptable precision (RPD ≤50%) was demonstrated between the field duplicate and the original sample, SSHS-FB5-E-SUB-2.5, with the following exception.

Carbon disulfide was detected in the original sample at an estimated concentration and not detected in the field duplicate, resulting in a noncalculable RPD between the results. Therefore, the detected concentration was J qualified as estimated and the undetected value was UJ qualified as estimated less than the MDL.

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**RPD**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-FB5-DUP1	Carbon disulfide	0.88	U	NC	0.88	UJ	7
SSHS-FB5-E-SUB-2.5	Carbon disulfide	1.6	J		1.6	J	7
SSHS-FB5-DUP1	Trichloroethene	5.2	J	NC	NA	NA	NA
SSHS-FB5-E-SUB-2.5	Trichloroethene	1.5	J		NA	NA	NA
SSHS-FB5-DUP1	The other VOCs	ND	NA	0	NA	NA	NA
SSHS-FB5-E-SUB-2.5	The other VOCs	ND	NA		NA	NA	NA

µg/kg-microgram per kilogram
U-not detected at the reported MDL
J-estimated concentration less than the RL and greater than the MDL
ND-not detected at the MDL
NA-not applicable
NC-not calculable

1.12 Internal Standards

The internal standard areas and retention times were within method limits.

1.13 Target Compound Identifications

The target compound identifications were within the validation criteria.

1.14 Target Compound Quantitation

The compound quantitations were within the validation criteria.

1.15 Sensitivity

The samples were reported to the MDLs. Elevated MDLs and RLs were reported for the samples due to the solids content of the samples; the samples were reported on a dry weight basis.

The MDLs and RLs were the same as those listed in Table C.1 in the QAPP. It was noted that total 1,2-dichloroethene and total xylenes were not reported by the laboratory, but the summation of cis- and trans-1,2-dichloroethene and o- and m-&p-xylene were within the QAPP criteria. In addition, 1,4-dioxane and 1,2,3-trichlorobenzene were reported by the laboratory, but not listed in Table C.1 in the QAPP.

1.16 Electronic Data Deliverable (EDD) Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated Level IV report at a minimum of 20%. It was noted that the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the Level IV report and the EDD.

2.0 SEMIVOLATILE ORGANIC COMPOUNDS

One solid sample was analyzed for SVOCs per EPA Methods 3541/8270D.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Instrument Performance Check
✓ Initial Calibration
✓ Continuing Calibration Verification
✓ Blanks
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
✓ Equipment Blank
✓ Field Duplicate
✓ Internal Standards
✓ Target Compound Identifications
✓ Target Compound Quantitations

✓ Sensitivity
⊗ Electronic Data Deliverable Review

2.1 Overall Assessment

The SVOC data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

2.2 Holding Times

The holding times for SVOC analysis of a solid sample are 14 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

2.3 Instrument Performance Check

An instrument performance check sample (tune standard) was analyzed at the beginning of each 12-hour period during sample analysis. The samples were analyzed within the 12-hour period. All ion abundance criteria were met for decafluorotriphenylphosphine (DFTPP).

Method 8270D describes the analysis of a standard to assess the gas chromatography (GC) column performance and injection port inertness; analyses of the standard resulted in acceptable results.

2.4 Initial Calibration

Appropriate initial calibrations were performed for each analyte. Based on the method of calibration, the laboratory calculated the %RSDs of the RRFs. For the target analytes, the average RRFs were within the method (20% RSD), and/or validation (20% RSD for compounds not considered poor responders, 40% for poor responders) criteria for the compounds or the coefficient of determination (r^2) was greater than or equal to 0.990 for the curve fit calibrations. The minimum average RRFs for the compounds were above the method criteria.

2.5 Continuing Calibration Verification

For the target analytes, the CCV was performed at the required frequency. The CCV RRFs met the method and validation criteria. The %Ds between the RRFs in the initial and continuing calibration standards for the target analytes were within the method acceptance criteria of less than or equal to 20%D and the validation criteria of 40%D for poor performing compounds and 25% D for the compounds.

2.6 Method Blanks

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported with the data (batch 112566). SVOCs were not detected in the method blank above the MDLs.

2.7 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were not reported.

2.8 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The results for the LCS were within the laboratory and QAPP specified acceptance criteria for recovery.

2.9 Surrogate

Acceptable surrogate recoveries were reported for the sample analyses.

2.10 Equipment Blank

One equipment blank, EB-20140722, was collected with the samples, but not analyzed for SVOCs.

2.11 Field Duplicate

Field duplicate samples were collected with the sample set but not analyzed for SVOCs.

2.12 Internal Standards

The internal standard areas and retention times were within the method acceptance limits.

2.13 Target Compound Identifications

The target compound identifications were within the validation criteria.

2.14 Compound Quantitation

The compound quantitations were within the validation criteria.

2.15 Sensitivity

The sample was reported to the MDLs. The sample was analyzed at a 1:2 dilution due to the concentrations of the target analytes.

The MDLs and RLs reported were 1/10 of those listed in Table C.1 in the QAPP. In addition, 1,2.4,5-tetrachlorobenzene and 2,3,4,6-tetrachlorophenol were reported by the laboratory, but not listed in Table C.1 in the QAPP.

2.16 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated Level IV report at a minimum of 20%. It was noted that the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the Level IV report and the EDD.

3.0 POLYCHLORINATED BIPHENYLS

Twenty-four solid samples, one MS/MSD pair, three field duplicate samples and one equipment blank were analyzed for PCBs per EPA Methods 3510C/8084 and 3541/8084.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Time
✓ Initial Calibration
✓ Continuing Calibration Verification
✓ Method Blanks
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
✓ Equipment Blank
✓ Field Duplicate

⊗ Target Compound Identification
⊗ Compound Quantitation
✓ Sensitivity
⊗ Electronic Data Deliverable Review

3.1 Overall Assessment

The PCB (Aroclor) data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

3.2 Holding Times

The holding times for PCB analysis of solids are 14 days from sample collection to extraction and 40 days from extraction to analysis. The holding times for PCB analysis of waters are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

3.3 Initial Calibration

Initial calibration of the target compounds was performed as required by the method. The %RSDs were less than or equal to 20% or the coefficient of determination (r^2) was greater than or equal to 0.990 for the curve fit calibrations.

3.4 Continuing Calibration Verification

Continuing calibration was performed at the required frequency. The %Ds between the calibration factors in initial and continuing standard mixtures were within the method 20%D criteria.

3.5 Method Blanks

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three method blanks were reported with the data (batches 112360, 112578 and 112684). PCBs were not detected in the method blanks above the MDLs.

3.6 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were analyzed at the proper frequency for the number and types of samples analyzed (one pair per batch of 20 samples). One sample set specific MS/MSD pair, using sample SSHS-FB7-D-SUB-1-2, was reported. The MS/MSD pair had high recovery results, outside the QAPP and laboratory specified acceptance criteria; the RPD results were acceptable. The recoveries of the spiked PCBs, 1016 and 1260, were high due to the concentrations of PCBs 1248 and 1254 in sample SSHS-FB7-D-SUB-1-2; the peaks used to quantitate PCBs 1016 and 1248 are the same, as are the peaks in PCBs 1260 and 1254. Therefore, based on professional and technical judgment, no qualifications were applied to the data.

3.7 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three LCSs were analyzed. The results for the LCSs were within the QAPP and laboratory specified acceptance criteria for recovery.

3.8 Surrogate

The surrogate recoveries were within the laboratory specified acceptance criteria, with some exceptions due to the dilution of the samples. No qualifications were applied to the sample data with recoveries outside the laboratory specified acceptance criteria due to the dilutions, based on professional and technical judgment.

3.9 Equipment Blank

One equipment blank, EB-20140721, was collected with the samples. PCBs were not detected in the equipment blank above the MDLs.

3.10 Field Duplicate

Three field duplicate samples, SSHS-FB7-DUP2 and SSHS-FB7-DUP3 and SSHS-FB7-DUP4, were collected with the sample set. Acceptable precision (RPD <50%) was demonstrated between the field duplicates and the original samples, SSHS-FB7-B-SUB-2-3, SSHS-FB7-E-SUB-0.17-1 and SSHS-FB7-C-SUB-0.17-1, respectively.

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	RPD	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
SSHS-FB7-B-SUB-2-3	PCB-1248	7000	NA	32	NA	NA	NA

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**RPD**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-FB7-DUP2	PCB-1248	9700	NA		NA	NA	NA
SSHS-FB7-B-SUB-2-3	PCB-1254	2900	NA	34	NA	NA	NA
SSHS-FB7-DUP2	PCB-1254	4100	NA		NA	NA	NA
SSHS-FB7-B-SUB-2-3	The other PCBs	ND	NA	0	NA	NA	NA
SSHS-FB7-DUP2	The other PCBs	ND	NA		NA	NA	NA
SSHS-FB7-DUP3	PCB-1248	6800	NA	31	NA	NA	NA
SSHS-FB7-E-SUB-0.17-1	PCB-1248	5000	NA		NA	NA	NA
SSHS-FB7-DUP3	PCB-1254	2500	NA	17	NA	NA	NA
SSHS-FB7-E-SUB-0.17-1	PCB-1254	2100	NA		NA	NA	NA
SSHS-FB7-DUP3	The other PCBs	ND	NA	0	NA	NA	NA
SSHS-FB7-E-SUB-0.17-1	The other PCBs	ND	NA		NA	NA	NA
SSHS-FB7-C-SUB-0.17-1	PCB-1248	2600	NA	0	NA	NA	NA
SSHS-FB7-DUP4	PCB-1248	2600	NA		NA	NA	NA
SSHS-FB7-C-SUB-0.17-1	PCB-1254	990	NA	1	NA	NA	NA
SSHS-FB7-DUP4	PCB-1254	1000	NA		NA	NA	NA
SSHS-FB7-C-SUB-0.17-1	PCB-1262	160	NA	0	NA	NA	NA
SSHS-FB7-DUP4	PCB-1262	160	NA		NA	NA	NA
SSHS-FB7-C-SUB-0.17-1	The other PCBs	ND	NA	0	NA	NA	NA
SSHS-FB7-DUP4	The other PCBs	ND	NA		NA	NA	NA

µg/kg-microgram per kilogram
NA-not applicable
ND-not detected at the MDL
NC-not calculable

3.11 Target Compound Identifications

The report narrative stated that the samples appear to contain a mixture of PCBs 1248, 1254, and/or 1262; however, due to weathering or other environmental processes, the PCBs in the samples did not closely match the laboratory's PCB standards used for calibration. The samples were quantified and reported as containing two to three PCBs. Due to the poor match with the PCBs, there is increased qualitative and quantitative uncertainties associated with those results. No qualifications were applied to the data based on the target compound identification (qualitative) uncertainty noted by the laboratory and the data validator. However, the uncertainty noted due to mixtures of PCBs and the differences in the PCB peak ratios observed in the soil samples should be taken into consideration by the data users. Based on the presence of two or three PCBs in the samples, the results were J qualified as estimated, as noted in section 3.12, below.

3.12 Compound Quantitation

As noted above, the report narrative indicated there were both qualitative and quantitative uncertainties associated with the sample results. There are peaks in PCBs 1248 and 1254 that are shared by both PCBs and peaks in 1254 and 1262 that are shared by both PCBs; therefore, there is contribution from the PCBs to each other when more than one PCB is detected in a sample. Therefore, based on professional and technical judgment, the detected concentrations of PCBs 1248, 1254 and 1262 in the samples were J qualified as estimated, based on professional and technical judgment.

In addition, the concentrations of PCB 1248 in samples SSHS-B32-A-SS, SSHS-FB7-D-SUB-1-2, SSHS-FB7-D-SUB-2-3, SSHS-FB7-A-SUB-1-2, SSHS-FB7-B-SUB-2-3, SSHS-FB7-E-SUB-0.17-1, SSHS-FB7-E-SUB-1-2, SSHS-FB7-E-SUB-2-3, SSHS-FB7-C-SUB-2-3 and SSHS-FB7-DUP2 and PCBs 1248 and 1254 in samples SSHS-FB7-A-SUB-2-3, SSHS-FB7-C-SUB-0.17-1, SSHS-FB7-C-SUB-1-2 and SSHS-FB7-DUP4 were over the instrument calibration range. Since these concentrations were J qualified as estimated due to the combination of PCBs detected in the samples, no additional qualifications were applied to the data.

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
SSHS-B32-A-SS	PCB-1248	550	NA	550	J	13
SSHS-B32-A-SS	PCB-1254	320	NA	320	J	13
SSHS-B34-A-SS	PCB-1248	71	NA	71	J	13
SSHS-B34-A-SS	PCB-1254	58	NA	58	J	13
SSHS-B34-A-SS	PCB-1262	29	NA	29	J	13
SSHS-B46-A-SS	PCB-1248	100	NA	100	J	13
SSHS-B46-A-SS	PCB-1254	77	NA	77	J	13
SSHS-B9-A-SS	PCB-1248	82	NA	82	J	13
SSHS-B9-A-SS	PCB-1254	74	NA	74	J	13
SSHS-B9-A-SS	PCB-1262	38	NA	38	J	13
SSHS-FB7-A-SS	PCB-1248	280	NA	280	J	13
SSHS-FB7-A-SS	PCB-1254	130	NA	130	J	13

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-FB7-A-SUB-0.17-1	PCB-1248	150	NA	150	J	13
SSHS-FB7-A-SUB-0.17-1	PCB-1254	66	NA	66	J	13
SSHS-FB7-A-SUB-1-2	PCB-1248	20000	NA	20000	J	13
SSHS-FB7-A-SUB-1-2	PCB-1254	6900	NA	6900	J	13
SSHS-FB7-A-SUB-2-3	PCB-1248	1400	NA	1400	J	13
SSHS-FB7-A-SUB-2-3	PCB-1254	700	NA	700	J	13
SSHS-FB7-B-SS	PCB-1248	140	NA	140	J	13
SSHS-FB7-B-SS	PCB-1254	89	NA	89	J	13
SSHS-FB7-B-SUB-0.17-1	PCB-1248	41	NA	41	J	13
SSHS-FB7-B-SUB-0.17-1	PCB-1254	22	NA	22	J	13
SSHS-FB7-B-SUB-1-2	PCB-1248	23000	NA	23000	J	13
SSHS-FB7-B-SUB-1-2	PCB-1254	7200	NA	7200	J	13
SSHS-FB7-B-SUB-2-3	PCB-1248	7000	NA	7000	J	13
SSHS-FB7-B-SUB-2-3	PCB-1254	2900	NA	2900	J	13
SSHS-FB7-C-SS	PCB-1248	37	NA	37	J	13
SSHS-FB7-C-SS	PCB-1254	28	NA	28	J	13
SSHS-FB7-C-SUB-0.17-1	PCB-1248	2600	NA	2600	J	13
SSHS-FB7-C-SUB-0.17-1	PCB-1254	990	NA	990	J	13
SSHS-FB7-C-SUB-0.17-1	PCB-1262	160	NA	160	J	13
SSHS-FB7-C-SUB-1-2	PCB-1248	16000	NA	16000	J	13
SSHS-FB7-C-SUB-1-2	PCB-1254	6200	NA	6200	J	13
SSHS-FB7-C-SUB-1-2	PCB-1262	1000	NA	1000	J	13
SSHS-FB7-C-SUB-2-3	PCB-1248	1200	NA	1200	J	13
SSHS-FB7-C-SUB-2-3	PCB-1254	410	NA	410	J	13

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-FB7-D-SS	PCB-1248	180	NA	180	J	13
SSHS-FB7-D-SS	PCB-1254	110	NA	110	J	13
SSHS-FB7-D-SUB-0.17-1	PCB-1248	120	NA	120	J	13
SSHS-FB7-D-SUB-0.17-1	PCB-1254	64	NA	64	J	13
SSHS-FB7-D-SUB-1-2	PCB-1248	5000	NA	5000	J	13
SSHS-FB7-D-SUB-1-2	PCB-1254	1800	NA	1800	J	13
SSHS-FB7-D-SUB-2-3	PCB-1248	540000	NA	540000	J	13
SSHS-FB7-D-SUB-2-3	PCB-1254	150000	NA	150000	J	13
SSHS-FB7-DUP2	PCB-1248	9700	NA	9700	J	13
SSHS-FB7-DUP2	PCB-1254	4100	NA	4100	J	13
SSHS-FB7-DUP3	PCB-1248	6800	NA	6800	J	13
SSHS-FB7-DUP3	PCB-1254	2500	NA	2500	J	13
SSHS-FB7-DUP4	PCB-1248	2600	NA	2600	J	13
SSHS-FB7-DUP4	PCB-1254	1000	NA	1000	J	13
SSHS-FB7-DUP4	PCB-1262	160	NA	160	J	13
SSHS-FB7-E-SS	PCB-1248	160	NA	160	J	13
SSHS-FB7-E-SS	PCB-1254	100	NA	100	J	13
SSHS-FB7-E-SUB-0.17-1	PCB-1248	5000	NA	5000	J	13
SSHS-FB7-E-SUB-0.17-1	PCB-1254	2100	NA	2100	J	13
SSHS-FB7-E-SUB-1-2	PCB-1248	19000	NA	19000	J	13
SSHS-FB7-E-SUB-1-2	PCB-1254	6600	NA	6600	J	13
SSHS-FB7-E-SUB-2-3	PCB-1248	5400	NA	5400	J	13
SSHS-FB7-E-SUB-2-3	PCB-1254	2900	NA	2900	J	13

µg/kg-microgram per kilogram
NA-not applicable

3.13 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were reported due to the dilutions analyzed.

The MDLs and RLs were the same as those listed in Table C.1 in the QAPP. It was noted that total PCBs were listed in Table C.1 in the QAPP, but not reported by the laboratory.

3.14 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated Level IV report at a minimum of 20%. It was noted that the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the Level IV report and the EDD.

4.0 METALS

One solid sample was analyzed for metals per EPA Methods 3050B/6010C (Mercury evaluated separately in Section 5.0, below).

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Initial Calibration
✓ Initial and Continuing Calibration Verification
✓ Initial and Continuing Calibration Blanks
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Duplicate
✓ Laboratory Control Sample
✓ Serial Dilution
✓ Equipment Blank
✓ Field Duplicate
✓ Compound Quantitations
✓ Sensitivity
⊗ Electronic Data Deliverable Review

4.1 Overall Assessment

The metals data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

4.2 Holding Times

The holding time for metals analysis of solids is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

4.3 Initial Calibration

The initial calibration requirements were met for the inductively coupled plasma-atomic emission spectrometer (ICP-AES).

The reporting limit standards were within the method specified acceptance criteria.

The interference check standards (ICSA and ICSAB) met the method specified acceptance criteria.

4.4 Initial and Continuing Calibration Verifications (ICV and CCV)

The percent recoveries in the associated ICVs and CCVs were within the method specified acceptance criteria.

4.5 Initial and Continuing Calibration Blanks (ICB and CCB)

The ICBs and CCBs met the specified acceptance criteria. There were estimated concentrations of magnesium, manganese, potassium, silver and thallium in the bracketing CCBs, greater than the MDLs and less than the RLs. Since the concentrations of these metals in the associated samples were greater than the RLs or not detected, no qualifications were applied to the data.

4.6 Method Blanks

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported with the data (batch 112478). Metals were not detected in the method blank above the MDLs, with the following exceptions.

Calcium and zinc were detected at estimated concentrations greater than the MDLs and less than the RLs. Since calcium and zinc were detected in the associated sample at concentrations greater than the RLs, no qualifications were applied to the data.

4.7 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were analyzed at the proper frequency for the number and types of samples analyzed (one pair per batch of 20 samples). A sample set specific MS/MSD pair, using sample SSHS-SS14-A-SS, was reported. The recovery and RPD results were within the QAPP and laboratory specified acceptance criteria, with the following exceptions.

One or both of the recoveries of calcium and antimony were low and outside the QAPP laboratory specified acceptance criteria. In addition, a post digestion spike (PDS) was also analyzed and had recovery results within the laboratory specified acceptance criteria. Therefore, the concentration of calcium was J qualified as estimated and the undetected value of antimony in sample SSHS-SS14-A-SS was UJ qualified as estimated less than the MDL.

It was noted that the recovery criteria for aluminum, iron and manganese were not applicable since the concentrations of these three metals in sample SSHS-SS14-A-SS were greater than four times the spike concentrations. No qualifications were applied to the data.

Sample ID	Compound	Laboratory Concentration (mg/kg)	Laboratory Flag	Validation Concentration (mg/kg)	Validation Qualification	Reason Code
SSHS-SS14-A-SS	Antimony	0.21	U	0.21	UJ	4
SSHS-SS14-A-SS	Calcium	4500	NA	4500	J	4

mg/kg-milligram per kilogram
U-not detected at the reported MDL
NA-not applicable

4.8 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was analyzed. The results for the LCS were within the QAPP and laboratory specified acceptance criteria for recovery.

4.9 Serial Dilution

A serial dilution, using sample SSHS-SS14-A-SS, was reported. The percent difference results were within the laboratory specified acceptance criteria.

4.10 Equipment Blank

One equipment blank, EB-20140722, was collected with the samples, but not analyzed for metals.

4.11 Field Duplicate

Field duplicate samples were collected with the sample set but not analyzed for metals.

4.12 Compound Quantitations

The compound quantitations were within the validation criteria.

4.13 Sensitivity

The samples were reported to the MDLs. Elevated MDLs and RLs were reported for the sample due to the solids content of the sample; the sample was reported on a dry weight basis.

The MDLs and RLs were the same as those listed in Table C.1 in the QAPP.

4.14 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated Level IV report at a minimum of 20%. It was noted that the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the Level IV report and the EDD.

5.0 MERCURY

One solid sample was analyzed for mercury per EPA Method 7471B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Initial Calibration
✓ Initial and Continuing Calibration Verification
✓ Initial and Continuing Calibration Blanks

✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Equipment Blank
✓ Field Duplicate
✓ Compound Quantitations
✓ Sensitivity
⊗ Electronic Data Deliverable Review

5.1 Overall Assessment

The mercury data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

5.2 Holding Times

The holding time for mercury analysis of solids is 28 days from sample collection to analysis. The holding times were met for the sample analyses.

5.3 Initial Calibration

The initial calibration requirements were met. The coefficient of determination (r^2) was greater than or equal to 0.990 for the linear calibration.

The reporting limit standard was within the laboratory specified acceptance criteria.

5.4 Initial and Continuing Calibration Verifications

The percent recoveries in the associated ICVs and CCVs were within the method specified acceptance criteria.

5.5 Initial and Continuing Calibration Blanks

The ICBs and CCBs met the method specified acceptance criteria.

5.6 Method Blanks

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported with the data (batch 112471). Mercury was not detected in the method blank above the MDL.

5.7 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were not reported.

5.8 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was analyzed. The result for the was within the QAPP and laboratory specified acceptance criteria for recovery.

5.9 Equipment Blank

One equipment blank, EB-20140722, was collected with the samples, but not analyzed for mercury.

5.10 Field Duplicate

Field duplicate samples were collected with the sample set but not analyzed for mercury.

5.11 Compound Quantitations

The compound quantitations were within the validation criteria.

5.12 Sensitivity

The sample was reported to the MDL. Elevated MDL and RL were reported for the sample due to the solids content of the sample; the sample was reported on a dry weight basis.

The MDL and RL were the same as those listed in Table C.1 in the QAPP.

5.13 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated Level IV report at a minimum of 20%. It was noted that the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the Level IV report and the EDD.

* * * * *

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; however, the associated numerical value is likely to be higher that the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.
J-	The analyte was positively identified; however, the associated numerical value is likely to be lower that the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	Analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS recovery outside limits
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other

RPD-relative percent difference

Geosyntec
consultants

2240 Sutherland Avenue, Suite 107
Knoxville, TN 37919
PH 865.330.0037
FAX 865.330.9949
www.geosyntec.com

Memorandum

Date:	12 September 2014
To:	Aron Krasnopler
From:	Mary Tyler
CC:	J. Caprio
Subject:	**Stage 2A Data Validation - Level IV Data Deliverable –Semivolatile Organic Compounds by EPA Methods 3520C/8270D and 3541/8270D, Polychlorinated Biphenyls by EPA Methods 3510C/8082A and 3541/8082A and Percent Moisture/Solids by Standard Method 2540G– TestAmerica Work Order Number 180-35079-1, Revision 2**

SITE: Former Sperry Remington Site-North

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of thirty-seven solid samples, three matrix spike/matrix spike duplicate (MS/MSD) pairs, four field duplicate samples and one equipment blank, collected on July 22, 2014, as part of the Former Sperry Remington Site-North sampling event. The analyses were performed at TestAmerica Laboratories, Inc., Pittsburgh, Pennsylvania. The samples were analyzed for the following tests:

- EPA Methods 3520C/8270D and 3541/8270D - Semivolatile Organic Compounds (SVOCs) and Tentatively Identified Compounds (TICs)
- EPA Methods 3510C/8082A and 3541/8082A - Polychlorinated Biphenyls (PCBs)
- Standard Method 2540G - Percent Moisture/Solids

EXECUTIVE SUMMARY

The samples were handled, prepared, and measured in the same manner under similar prescribed conditions.

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below, the data as qualified are usable for meeting project objectives, with the following exceptions.

Due to laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recoveries less than 20% and technical and professional judgment, the undetected values of benzaldehyde in the soil samples were R qualified as rejected.

Qualified data should be used within the limitations of the qualification.

The organic data were reviewed based on the Quality Assurance Project Plan (QAPP)/Field Sampling Plan (FSP), Former Sperry Remington Site-North Portion, 777 South Main Street, City of Elmira, Chemung County, NY, NYSDEC Project 808022, Geosyntec Project Number MN0832, July 2014, Agency Review Draft, USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008 (USEPA-540-R-08-01), as well as by the pertinent methods referenced by the data package and professional and technical judgment.

The following sample was analyzed and validated at a Stage 2A level in the data set:

Laboratory ID	Client ID
180-35079-1	SSHS-FB6-A-SS
180-35079-2	SSHS-SS16-SS
180-35079-3	SSHS-SS12-B-SS
180-35079-4	SSHS-SS12-B-0.17-1
180-35079-5	SSHS-SS12-B-1-2
180-35079-6	SSHS-SS12-B-2-3
180-35079-7	SSHS-FB1-A-SS
180-35079-7 MS	SSHS-FB1-A-SS MS
180-35079-7 MSD	SSHS-FB1-A-SS MSD
180-35079-8	SSHS-SS12-A-SS
180-35079-9	SSHS-SS12-A-0.17-1
180-35079-10	SSHS-SS12-A-1-2
180-35079-11	SSHS-SS12-A-2-3
180-35079-12	SSHS-FB11-A-SS
180-35079-13	SSHS-SS12-C-SS
180-35079-14	SSHS-SS12-C-0.17-1
180-35079-15	SSHS-SS12-C-1-2
180-35079-16	SSHS-SS12-C-2-3
180-35079-16 MS	SSHS-SS12-C-2-3 MS
180-35079-16 MSD	SSHS-SS12-C-2-3 MSD
180-35079-17	SSHS-FB10-A-SS
180-35079-18	SSHS-B15-A-SS
180-35079-19	SSHS-FB3-A-SS
180-35079-20	SSHS-B15-A-0.17-1

Laboratory ID	Client ID
180-35079-21	SSHS-B15-A-1-2
180-35079-22	SSHS-B15-A-2-3
180-35079-23	SSHS-B15-C-SS
180-35079-24	SSHS-B15-C-0.17-1
180-35079-25	SSHS-B15-C-1-2
180-35079-26	SSHS-B15-C-2-3
180-35079-27	SSHS-B15-B-SS
180-35079-28	SSHS-B15-B-0.17-1
180-35079-29	SSHS-B15-B-1-2
180-35079-30	SSHS-B15-B-2-3
180-35079-31	SSHS-B1S-A-SS
180-35079-32	SSHS-B9SS-A-SS
180-35079-33	SSHS-B4SS-A-SS
180-35079-34	SSHS-FB2-A-SS
180-35079-34 MS	SSHS-FB2-A-SS MS
180-35079-34 MSD	SSHS-FB2-A-SS MSD
180-35079-35	SSHS-FB9-A-SS
180-35079-36	EB-20140722
180-35079-37	SSHS-FB4-A-SS
180-35079-38	SSHS-SS15-SS
180-35079-39	SSHS-DUP5
180-35079-40	SSHS-SS12-DUP6
180-35079-41	SSHS-DUP7
180-35079-42	SSHS-B15-DUP8

The samples were received at the laboratory at 1.6°C and 2.1°C, within the QAPP criteria of <6°C. No sample preservation issues were noted by the laboratory.

Incorrect error corrections were observed on the chain of custody (COC). The proper procedure of a single strike-through correction and initials and date of the person making the correction was not followed.

No times of collection were listed on the chain of custody (COC) for the field duplicate samples. The laboratory assigned the collection times of 00:00.

It was noted that the sample IDs in the electronic data deliverable (EDD) included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC.

The solids data, used to report the samples on a dry weight bases, were not validated.

TICs were reported with the SVOC data. As there is no validation guidance for TICs, the TIC data were not validated.

The laboratory revised the sample ID for SSHS-B1S-A-SS; the revised report was identified as 180-35079-1, Revision 1. The laboratory revised the PCB results; the sample and standard chromatographic peaks for the PCBs were re-integrated in a more consistent manner. The revised report was identified as 180-35079-1, Revision 2.

1.0 SEMIVOLATILE ORGANIC COMPOUNDS

Three solid samples, one field duplicate sample and one equipment blank were analyzed for SVOCs per EPA Methods 3520C/8270D and 3541/8270D.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Times
✓ Blanks
⊗ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
✓ Equipment Blank
✓ Field Duplicate
⊗ Sensitivity

- ✓ Electronic Data Deliverable Review

1.1 Overall Assessment

The SVOC data reported in this package are considered to be usable for meeting project objectives, with the following exceptions. The analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 98.8%. Due to LCS/LCSD recoveries less than 20% and technical and professional judgment, the undetected values of benzaldehyde in the soil samples were R qualified as rejected.

1.2 Holding Times

The holding times for SVOC analysis of a solid sample are 14 days from sample collection to extraction and 40 days from extraction to analysis. The holding times for SVOC analysis of a water sample are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

1.3 Method Blanks

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two method blanks were reported with the data (batches 112566 and 112437). SVOCs were not detected in the method blanks above the method detection limits (MDLs).

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD pairs were not reported.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS and one LCS/LCS duplicate (LCSD) pair were reported. The results for the LCS and LCS/LCSD pair were within the QAPP and laboratory specified acceptance criteria for recovery and relative percent difference (RPD), with the following exception.

The recoveries of benzaldehyde were low (6%/6%, limits 30-150%) and outside the QAPP and laboratory specified acceptance criteria in the LCS/LCSD pair associated with the soil samples.

Therefore, due to LCS/LCSD recoveries less than 20% and technical and professional judgment, the undetected values of benzaldehyde in the soil samples were R qualified as rejected.

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier*	Reason Code**
SSHS-DUP5	Benzaldehyde	6.6	U	6.6	R	5
SSHS-FB10-A-SS	Benzaldehyde	6.4	U	6.4	R	5
SSHS-FB6-A-SS	Benzaldehyde	6.4	U	6.4	R	5
SSHS-FB9-A-SS	Benzaldehyde	6.5	U	6.5	R	5

µg/kg-microgram per kilogram
U-not detected at the reported MDL
*Validation qualifiers are defined in Attachment 1 at the end of this report
**EDD reason codes are defined in Attachment 2 at the end of this report

1.6 Surrogate

Acceptable surrogate recoveries were reported for the sample analyses.

1.7 Equipment Blank

One equipment blank, EB-20140722, was collected with the samples. SVOCs were not detected in the equipment blank above the method detection limits (MDLs).

1.8 Field Duplicate

Field duplicate samples were collected with the sample set but not analyzed for SVOCs.

1.9 Sensitivity

The samples were reported to the MDLs. Elevated MDLs and reporting limits (RLs) were reported for the samples due to the solids content of the samples; the samples were reported on a dry weight basis.

The MDLs and RLs reported were 1/10 of those listed in Table C.1 in the QAPP. In addition, 1,2.4,5-tetrachlorobenzene and 2,3,4,6-tetrachlorophenol were reported by the laboratory, but not listed in Table C.1 in the QAPP.

1.10 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated Level IV report at a minimum of 20% as part of the data validation process, It was noted that the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the Level IV report and the EDD.

2.0 POLYCHLORINATED BIPHENYLS

Thirty-seven solid samples, three MS/MSD pairs, four field duplicate samples and one equipment blank were analyzed for PCBs per EPA Methods 3510C/8082A and 3541/8082A.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Time
✓ Method Blanks
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
✓ Equipment Blank
✓ Field Duplicate
⊗ Sensitivity
⊗ Electronic Data Deliverable Review

2.1 Overall Assessment

The PCB data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

The report narrative indicated there were both qualitative and quantitative uncertainties associated with the sample results. There are peaks in PCBs 1248 and 1254 that are shared by both of these PCBs and peaks in 1254 and 1262 that are shared by both of these PCBs; therefore, there is contribution from the PCBs to each other when more than one PCB is detected in a sample. Therefore, based on professional and technical judgment, the detected concentrations of PCBs 1248, 1254 and 1262 in the samples were J qualified as estimated, based on professional and technical judgment.

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B15-A-0.17-1	PCB-1248	4600	NA	4600	J	13
SSHS-B15-A-0.17-1	PCB-1254	1900	NA	1900	J	13
SSHS-B15-A-1-2	PCB-1248	400	NA	400	J	13
SSHS-B15-A-1-2	PCB-1254	150	NA	150	J	13
SSHS-B15-A-2-3	PCB-1248	130	NA	130	J	13
SSHS-B15-A-2-3	PCB-1254	63	NA	63	J	13
SSHS-B15-A-2-3	PCB-1262	12	NA	12	J	13
SSHS-B15-A-SS	PCB-1248	86	NA	86	J	13
SSHS-B15-A-SS	PCB-1254	66	NA	66	J	13
SSHS-B15-B-0.17-1	PCB-1248	4300	NA	4300	J	13
SSHS-B15-B-0.17-1	PCB-1254	2000	NA	2000	J	13
SSHS-B15-B-1-2	PCB-1248	88	NA	88	J	13
SSHS-B15-B-1-2	PCB-1254	56	NA	56	J	13
SSHS-B15-B-2-3	PCB-1248	200	NA	200	J	13
SSHS-B15-B-2-3	PCB-1254	110	NA	110	J	13
SSHS-B15-B-SS	PCB-1248	620	NA	620	J	13
SSHS-B15-B-SS	PCB-1254	400	NA	400	J	13
SSHS-B15-C-0.17-1	PCB-1248	4000	NA	4000	J	13
SSHS-B15-C-0.17-1	PCB-1254	1700	NA	1700	J	13
SSHS-B15-C-1-2	PCB-1248	810	NA	810	J	13
SSHS-B15-C-1-2	PCB-1254	330	NA	330	J	13
SSHS-B15-C-1-2	PCB-1262	29	NA	29	J	13
SSHS-B15-C-2-3	PCB-1248	15000	NA	15000	J	13
SSHS-B15-C-2-3	PCB-1254	7000	NA	7000	J	13
SSHS-B15-C-SS	PCB-1248	38	NA	38	J	13
SSHS-B15-C-SS	PCB-1254	32	NA	32	J	13
SSHS-B15-DUP8	PCB-1248	160	NA	160	J	13
SSHS-B15-DUP8	PCB-1254	97	NA	97	J	13
SSHS-B15-DUP8	PCB-1262	16	NA	16	J	13
SSHS-DUP5	PCB-1248	230	NA	230	J	13
SSHS-DUP5	PCB-1254	190	NA	190	J	13
SSHS-FB10-A-SS	PCB-1248	620	NA	620	J	13

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-FB10-A-SS	PCB-1254	300	NA	300	J	13
SSHS-FB11-A-SS	PCB-1248	88	NA	88	J	13
SSHS-FB11-A-SS	PCB-1254	71	NA	71	J	13
SSHS-FB1-A-SS	PCB-1248	250	NA	250	J	13
SSHS-FB1-A-SS	PCB-1254	110	NA	110	J	13
SSHS-FB3-A-SS	PCB-1248	100	NA	100	J	13
SSHS-FB3-A-SS	PCB-1254	51	NA	51	J	13
SSHS-FB4-A-SS	PCB-1248	37	NA	37	J	13
SSHS-FB4-A-SS	PCB-1254	61	NA	61	J	13
SSHS-FB6-A-SS	PCB-1248	180	NA	180	J	13
SSHS-FB6-A-SS	PCB-1254	150	NA	150	J	13
SSHS-FB9-A-SS	PCB-1248	1200	NA	1200	J	13
SSHS-FB9-A-SS	PCB-1254	800	NA	800	J	13
SSHS-FB9-A-SS	PCB-1262	91	NA	91	J	13
SSHS-SS12-A-0.17-1	PCB-1248	930	NA	930	J	13
SSHS-SS12-A-0.17-1	PCB-1254	450	NA	450	J	13
SSHS-SS12-A-1-2	PCB-1248	23000	NA	23000	J	13
SSHS-SS12-A-1-2	PCB-1254	9100	NA	9100	J	13
SSHS-SS12-A-2-3	PCB-1248	8200	NA	8200	J	13
SSHS-SS12-A-2-3	PCB-1254	3300	NA	3300	J	13
SSHS-SS12-A-SS	PCB-1248	370	NA	370	J	13
SSHS-SS12-A-SS	PCB-1254	210	NA	210	J	13
SSHS-SS12-B-0.17-1	PCB-1248	1500	NA	1500	J	13
SSHS-SS12-B-0.17-1	PCB-1254	1100	NA	1100	J	13
SSHS-SS12-B-1-2	PCB-1248	5700	NA	5700	J	13
SSHS-SS12-B-1-2	PCB-1254	3600	NA	3600	J	13
SSHS-SS12-B-2-3	PCB-1248	20000	NA	20000	J	13
SSHS-SS12-B-2-3	PCB-1254	12000	NA	12000	J	13
SSHS-SS12-B-SS	PCB-1248	2100	NA	2100	J	13
SSHS-SS12-B-SS	PCB-1254	2200	NA	2200	J	13
SSHS-SS12-C-0.17-1	PCB-1248	1600	NA	1600	J	13
SSHS-SS12-C-0.17-1	PCB-1254	880	NA	880	J	13

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
SSHS-SS12-C-1-2	PCB-1248	9900	NA	9900	J	13
SSHS-SS12-C-1-2	PCB-1254	4500	NA	4500	J	13
SSHS-SS12-C-2-3	PCB-1248	100000	NA	100000	J	13
SSHS-SS12-C-2-3	PCB-1254	29000	NA	29000	J	13
SSHS-SS12-C-SS	PCB-1248	300	NA	300	J	13
SSHS-SS12-C-SS	PCB-1254	260	NA	260	J	13
SSHS-SS12-DUP6	PCB-1248	22000	NA	22000	J	13
SSHS-SS12-DUP6	PCB-1254	12000	NA	12000	J	13
SSHS-SS15-SS	PCB-1248	42	NA	42	J	13
SSHS-SS15-SS	PCB-1254	36	NA	36	J	13
SSHS-SS15-SS	PCB-1262	7.4	J	7.4	J	13
SSHS-SS16-SS	PCB-1248	28	NA	28	J	13
SSHS-SS16-SS	PCB-1254	25	NA	25	J	13

µg/kg-microgram per kilogram
J-estimated concentration less than the reporting limit and greater than the MDL
NA-not applicable

2.2 Holding Times

The holding times for PCB analysis of solids are 14 days from sample collection to extraction and 40 days from extraction to analysis. The holding times for PCB analysis of waters are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

2.3 Method Blanks

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Four method blanks were reported with the data (batches 112444, 112574, 112655 and 112684). PCBs were not detected in the method blanks above the MDLs.

2.4 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were analyzed at the proper frequency for the number and types of samples analyzed (one pair per batch of 20 samples). Three sample set specific MS/MSD pairs, using samples SSHS-FB1-A-SS, SSHS-SS12-C-2-3 and SSHS-FB2-A-SS, were reported. The

MS/MSD pairs had high recovery results, outside the laboratory specified acceptance criteria; the RPD results were acceptable. The recoveries of the spiked PCBs, 1016 and 1260, were high due to the concentrations of PCBs 1248 and 1254 in sample SSHS-FB7-D-SUB-1-2; the peaks used to quantitate PCBs 1016 and 1248 are the same, as are the peaks in PCBs 1260 and 1254. Therefore, based on professional and technical judgment, no qualifications were applied to the data.

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three LCSs and one LCS/LCSD pair were reported. The results for the LCSs and LCS/LCSD pair were within the QAPP and laboratory specified acceptance criteria for recovery and RPD.

2.6 Surrogate

The surrogate recoveries were within the laboratory specified acceptance criteria, with some exceptions due to the dilution of the samples. Therefore, no qualifications were applied to the data based on professional and technical judgment.

2.7 Equipment Blank

One equipment blank, EB-20140722, was collected with the samples. PCBs were not detected in the equipment blank above the MDLs.

2.8 Field Duplicate

Four field duplicate samples, SSHS-DUP5, SSHS-SS12-DUP6, SSHS-DUP7 and SSHS-B15-DUP8, were collected with the sample set. Acceptable precision (RPD <50%) was demonstrated between the field duplicates and the original samples, SSHS-FB6-A-SS, SSHS-SS12-A-1-2, SSHS-BS1-A-SS and SSHS-B15-B-2-3, respectively.

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	RPD	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
SSHS-DUP5	PCB-1248	230	NA	24	NA	NA	NA
SSHS-FB6-A-SS	PCB-1248	180	NA		NA	NA	NA
SSHS-DUP5	PCB-1254	190	NA	24	NA	NA	NA
SSHS-FB6-A-SS	PCB-1254	150	NA		NA	NA	NA
SSHS-DUP5	The other PCBs	ND	NA	0	NA	NA	NA

SSHS-FB6-A-SS	The other PCBs	ND	NA		NA	NA	NA
SSHS-SS12-A-1-2	PCB-1248	23000	NA	4	NA	NA	NA
SSHS-SS12-DUP6	PCB-1248	22000	NA		NA	NA	NA
SSHS-SS12-A-1-2	PCB-1254	9100	NA	27	NA	NA	NA
SSHS-SS12-DUP6	PCB-1254	12000	NA		NA	NA	NA
SSHS-SS12-A-1-2	The other PCBs	ND	NA	0	NA	NA	NA
SSHS-SS12-DUP6	The other PCBs	ND	NA		NA	NA	NA
SSHS-B15-A-SS	The PCBs	ND	NA	0	NA	NA	NA
SSHS-DUP7	The PCBs	ND	NA		NA	NA	NA
SSHS-B15-B-2-3	PCB-1248	200	NA	22	NA	NA	NA
SSHS-B15-DUP8	PCB-1248	160	NA		NA	NA	NA
SSHS-B15-B-2-3	PCB-1254	110	NA	13	NA	NA	NA
SSHS-B15-DUP8	PCB-1254	97	NA		NA	NA	NA
SSHS-B15-B-2-3	The other PCBs	ND	NA	0	NA	NA	NA
SSHS-B15-DUP8	The other PCBs	ND	NA		NA	NA	NA

µg/kg-microgram per kilogram
NA-not applicable
ND-not detected at the MDL
NC-not calculable

2.9 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were reported due to the dilutions analyzed.

The MDLs and RLs were the same as those listed in Table C.1 in the QAPP. It was noted that total PCBs were listed in Table C.1 in the QAPP, but not reported by the laboratory

2.10 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated Level IV report at a minimum of 20% as part of the data validation process. It was noted that the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the Level IV report and the EDD.

* * * * *

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; however, the associated numerical value is likely to be higher that the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.
J-	The analyte was positively identified; however, the associated numerical value is likely to be lower that the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	Analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS recovery outside limits
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other

RPD-relative percent difference

U-not detected at the reported MDL
J- estimated concentration less than the reporting limit and greater than the MDL
ND-not detected at the MDL
NA-not applicable
NC-not calculable

Geosyntec consultants

2240 Sutherland Avenue, Suite 107
Knoxville, TN 37919
PH 865.330.0037
FAX 865.330.9949
www.geosyntec.com

Memorandum

Date: 30 October 2014

To: Aron Krasnopler

From: Mary Tyler
Kristoffer Henderson

CC: J. Caprio

Subject: **Stage 2A Data Validation - Level II Data Deliverable – Volatile Organic Compounds by EPA Methods 5030C/8260C and 5035/8260C, Semivolatile Organic Compounds by EPA Methods 3520C/8270D and 3541/8270D, Organochlorine Pesticides by EPA Methods 3510C/8081B and 3541/8081B, Polychlorinated Biphenyls by EPA Methods 3510C/8082A and 3541/8082A, Gasoline Range Organics by EPA Methods 5030C/8015D, Diesel Range Organics by EPA Methods 3520C/8015D, Metals by EPA Methods 3005A/6010C and 3050B/6010C, Mercury by EPA Methods 7470A and 7471B, Cyanide by EPA Methods 9010C/9014 and Percent Moisture/Solids by Standard Method 2540G – TestAmerica Work Order Number 180-35729-1**

SITE: Former Sperry Remington Site-North

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of twenty-five solid samples, five water samples, one matrix spike/matrix spike duplicate (MS/MSD), three field duplicate samples, two equipment blank, one source blank and one trip blank, collected on August 12, 2014, as part of the Former Sperry Remington Site-North sampling event. The analyses were performed at TestAmerica Laboratories, Inc., Pittsburgh, Pennsylvania. The samples were analyzed for the following tests:

- EPA Methods 5030C/8260C and 5035/8260C - Volatile Organic Compounds (VOCs) and Tentatively Identified Compounds (TICs)
- EPA Methods 3520C/8270D and 3541/8270D - Semivolatile Organic Compounds (SVOCs) and TICs
- EPA Methods 3510C/8081B and 3541/8081B - Organochlorine Pesticides
- EPA Methods 3510C/8082A and 3541/8082A - Polychlorinated Biphenyls (PCBs)

- EPA Methods 5030C/8015D - Gasoline Range Organics (GRO)
- EPA Methods 3520C/8015D - Diesel Range Organics (DRO)
- EPA Methods 3005A/6010C and 3050B/6010C – Metals
- EPA Methods 7470A and 7471B – Mercury
- EPA Methods 9010C/9014 - Cyanide
- Standard Method 2540G - Percent Moisture/Solids

EXECUTIVE SUMMARY

The samples were handled, prepared and measured in the same manner under similar prescribed conditions.

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below, the data as qualified are usable for meeting project objectives. Qualified data should be used within the limitations of the qualification.

The organic data were reviewed based on the Quality Assurance Project Plan (QAPP)/Field Sampling Plan (FSP), Former Sperry Remington Site-North Portion, 777 South Main Street, City of Elmira, Chemung County, NY, NYSDEC Project 808022, Geosyntec Project Number MN0832, July 2014, Agency Review Draft, USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008 (USEPA-540-R-08-01), as well as by the pertinent methods referenced by the data package and professional and technical judgment.

The inorganic data were reviewed based on the QAPP/FSP, USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, OSWER 9240.1-51, EPA 540-R-10-011, January 2010, as well as by the pertinent methods referenced by the data package and professional and technical judgment.

The following samples were analyzed and validated at a Stage 2A level in the data set:

Laboratory ID	Client ID
180-35729-1	SSHS-B95-0.17-2 (1.5)
180-35729-2	SSHS-B95-2-6 (4)
180-35729-3	SSHS-B95-6-10 (8)
180-35729-3 MS	SSHS-B95-6-10 (8)MS
180-35729-3 MSD	SSHS-B95-6-10 (8)MSD
180-35729-4	SSHS-B95-10-15 (11.5)
180-35729-5	SSHS-B92-SS
180-35729-6	SSHS-B92-0.17-2 (1)
180-35729-7	SSHS-B92-2-6 (4)
180-35729-8	SSHS-B92-6-10 (9)

Laboratory ID	Client ID
180-35729-9	SSHS-B92-10-16 (12)
180-35729-10	SSHS-B94-SS
180-35729-11	SSHS-B96-SS
180-35729-12	SSHS-B96-0.17-2 (1.5)
180-35729-13	SSHS-B96-2-6 (4.5)
180-35729-14	SSHS-B96-6-10 (9.5)
180-35729-15	SSHS-B96-10-15.5 (12.5)
180-35729-16	SSHS-B93-SS
180-35729-17	SSHS-B93-0.17-2 (1.5)
180-35729-18	SSHS-B93-2-6 (5)

Laboratory ID	Client ID
180-35729-19	SSHS-B93-6-10 (9.5)
180-35729-20	SSHS-B93-10-16 (15)
180-35729-21	SSHS-B95-SS
180-35729-22	SSHS-B94-0.17-2 (1)
180-35729-23	SSHS-B94-2-6 (6)
180-35729-24	SSHS-B94-6-10 (7)
180-35729-25	SSHS-B94-10-16 (14)
180-35729-26	DUP-1
180-35729-27	DUP-2
180-35729-28	SSHS-B93-GW-18-22
180-35729-29	SSHS-B94-GW-18-22

Laboratory ID	Client ID
180-35729-30	SSHS-B92-GW-18-22
180-35729-31	SSHS-B95-GW-18-22
180-35729-32	SSHS-B96-GW-18-22
180-35729-33	DUP-3-GW
180-35729-34	TRIP BLANK
180-35729-35	20140812-EQUIPMENT BLANK-GW
180-35729-36	20140812-EQUIPMENT BLANK-SOIL
180-35729-37	20140812-SOURCE BLANK

The samples were received at the laboratory within the QAPP criteria of <6°C. No sample preservation issues were noted by the laboratory.

Incorrect error corrections were observed on the chain of custody (COC). The proper procedure of a single strike-through correction and initials and date of the person making the correction was not followed.

No times of collection were listed on the COC for the trip blank or field duplicate samples. The laboratory assigned collection times of 00:00.

It was noted that the sample ID for the equipment blank, 20140812-EQUIPMENT BLANK-SOIL, was truncated to 20140812-EQUIPMENT BLANK-SO in the electronic data deliverable (EDD). In addition, the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC.

The solids data, used to report the samples on a dry weight bases, were not validated. In addition, TICs were reported with the VOC and SVOC data. As there is no validation guidance for TICs, the TIC data were not validated.

1.0 VOLATILE ORGANIC COMPOUNDS

Twenty-five solid samples, five water samples, one MS/MSD pair, two equipment blanks, one source blank, one trip blank and three field duplicate samples were analyzed for VOCs per EPA Methods 5030C/8260C and 5035/8260C.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ⊗ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Surrogates
- ⊗ Trip Blank
- ✓ Source Blank
- ⊗ Equipment Blank
- ✓ Field Duplicate
- ⊗ Sensitivity
- ⊗ Electronic Data Deliverable Review

1.1 Overall Assessment

The VOC data reported in this package are considered to be usable for meeting project objectives. The analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

1.2 Holding Times

The holding times for a solid sample are 48 hours from collection to extraction and 14 days from collection to analysis. The holding time for a preserved water sample is 14 days from collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six method blanks were reported with the data (batches 114641, 114801, 114925, 115104, 115232 and 115242). VOCs were not detected in the method blanks above the method detection limits (MDLs), with the following exceptions.

Methylene chloride was detected at estimated concentrations greater than the MDL and less than the reporting limit (RL) in the method blanks in batches 115104 and 115232. Therefore, the estimated concentration of methylene chloride in the associated sample was U qualified as not detected at the RL.

Sample ID	**Compound**	**Laboratory Concentration (µg/L)**	**Laboratory Flag**	**Validation Concentration (µg/L)**	**Validation Qualifier***	**Reason Code****
TRIP BLANK	Methylene Chloride	0.23	J,B	1.0	U	3

µg/L-microgram per liter
J-estimated concentration less than the RL and greater than the MDL
B-compound was detected in both the method blank and sample
*Validation qualifiers are defined in Attachment 1 at the end of this report
** Reason codes are defined in Attachment 2 at the end of this report

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

A sample set specific MS/MSD pair, using sample SSHS-B95-6-10 (8), was reported. The MS/MSD pair had recovery and relative percent difference (RPD) results within the QAPP and laboratory (for 1,4-dioxane and 1,2,3-trichlorobenzene only) specified acceptance criteria, with the following exception.

The recovery of trans-1,2-dichloroethene in the MSD was high and outside the QAPP specified acceptance criteria. Since trans-1,2-dichloroethene was not detected in sample SSHS-B95-6-10 (8), no qualifications were applied to the data.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three LCSs and three LCS/LCS duplicate (LCSD) pairs were reported. The results for the LCSs and LCS/LCSD pairs were within the QAPP and laboratory (for 1,4-dioxane and 1,2,3-trichlorobenzene only) specified acceptance criteria for recovery and RPD, with the following exceptions.

The recoveries of 2-hexanone were high and outside the QAPP specified acceptance criteria in the LCS/LCSD pair in batch 112620. Since 2-hexanone was not detected in the associated samples, no qualifications were applied to the data.

The recovery of 1,3-dichlorobenzene was high and outside the QAPP specified acceptance criteria in the LCSD in batch 115232. Since 1,3-dichlorobenzene was not detected in the associated samples, no qualifications were applied to the data.

The recovery of trans-1,2-dichloroethene was high and outside the QAPP specified acceptance criteria in the LCS in batch 114641. Since trans-1,2-dichloroethene was not detected in the associated samples, no qualifications were applied to the data.

The narrative indicated that the RPD between the LCS and LCSD in batch 115242 was high and outside the QAPP specified limits for 1,2-dibromo-3-chloropropane. Review of the data indicated that the reported RPD was calculated incorrectly; the actual RPD was acceptable. The laboratory was notified and a revised report with the correct RPD is pending.

1.6 Surrogates

Acceptable surrogate recoveries were reported for the sample analyses, with the following exceptions.

The recoveries of dibromofluoromethane in sample 20140812-SOURCE BLANK and 1,2-dichloroethane-d4 in sample SSHS-B93-0.17-2 (1.5) were high and outside the laboratory specified acceptance criteria. Since the other three surrogate recoveries were acceptable in both samples, no qualifications were applied to samples 20140812-SOURCE BLANK and SSHS-B93-0.17-2 (1.5), based on professional and technical judgment.

1.7 Trip Blank

A trip blank, TRIP BLANK, was submitted with the sample set. VOCs were not detected in the trip blank above the MDLs, with the following exceptions.

Acetone was detected in the trip blank at the RL, 5.0 µg/L, and methylene chloride was detected at an estimated concentration greater than the MDL and less than the RL. Since the methylene chloride concentration in the trip blank was U qualified as not detected at the RL based on the method blank contamination, no additional qualifications were applied to the methylene chloride data. However, the estimated concentrations of acetone in the associated water samples were U qualified as not detected at the RL and the acetone concentrations in the associated water samples that were less than two times the RL were J qualified as estimated, based on professional and technical judgment.

Sample ID	**Compound**	**Laboratory Concentration (µg/L)**	**Laboratory Flag**	**Validation Concentration (µg/L)**	**Validation Qualifier**	**Reason Code**
SSHS-B92-GW-18-22	Acetone	3.7	J	5.0	U	3
SSHS-B94-GW-18-22	Acetone	4.4	J	5.0	U	3
20140812-EQUIPMENT BLANK-GW	Acetone	2.6	J	5.0	U	3
SSHS-B93-GW-18-22	Acetone	6.8	NA	6.8	J	3

Sample ID	**Compound**	**Laboratory Concentration (µg/L)**	**Laboratory Flag**	**Validation Concentration (µg/L)**	**Validation Qualifier**	**Reason Code**
SSHS-B95-GW-18-22	Acetone	6.7	NA	6.7	J	3

µg/L-microgram per liter
J-estimated concentration less than the RL and greater than the MDL
NA-not applicable

1.8 Source Blank

A source blank, 20140812-SOURCE BLANK, was submitted with the sample set. The VOCs were not detected in the source blank above the MDLs.

1.9 Equipment Blank

Two equipment blanks, 20140812-EQUIPMENT BLANK-GW and 20140812-EQUIPMENT BLANK-SOIL, were collected with the sample set. The VOCs were not detected in the equipment blanks above the MDLs, with the following exceptions.

Acetone, carbon disulfide and chloroform were detected in 20140812-EQUIPMENT BLANK-GW and 1,2-dichloroethane was detected in 20140812-EQUIPMENT BLANK-SOIL, at estimated concentrations greater than the MDLs and less than the RLs. Since 1,2-dichloroethane was not detected in the associated soil samples, no qualifications were applied to the soil data. Similarly, since carbon disulfide was not detected in the associated water samples, no qualifications were applied to the carbon disulfide data. The acetone concentration in the equipment blank was U qualified as not detected at the RL based on the trip blank contamination; therefore, no additional qualifications were applied to the acetone data. However, the estimated chloroform concentration in the associated water sample was U qualified as not detected at the RL.

Sample ID	**Compound**	**Laboratory Concentration (µg/L)**	**Laboratory Flag**	**Validation Concentration (µg/L)**	**Validation Qualifier**	**Reason Code**
SSHS-B92-GW-18-22	Chloroform	0.21	J	1.0	U	3

µg/L-microgram per liter
J-estimated concentration less than the RL and greater than the MDL

1.10 Field Duplicate

Three field duplicate samples, DUP-1, DUP-2 and DUP-3-GW, were collected with the sample set. Acceptable precision (RPD <u>≤</u>50% for solid samples if both results are greater than five times the RL and RPD ≤30% for water samples if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B93-2-6 (5), SSHS-B92-SS and SSHS-B93-GW-18-22, respectively.

Acetone in field duplicate pair SSHS-B93-GW-18-22/ DUP-3-GW had an RPD greater than 30%; no qualifications were applied to the data since one or both sample results were less than five times the RLs.

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**RPD**
SSHS-B93-2-6 (5)	Trichloroethene	2.9	J	NC
DUP-1	Trichloroethene	3.1	J	
SSHS-B93-2-6 (5)	The other VOCs	ND	NA	0
DUP-1	The other VOCs	ND	NA	
SSHS-B92-SS	Trichloroethene	1.3	J	NC
DUP-2	Trichloroethene	0.72	U	
SSHS-B92-SS	The other VOCs	ND	NA	0
DUP-2	The other VOCs	ND	NA	

µg/kg-microgram per kilogram
U-not detected at the reported MDL
J-estimated concentration less than the RL and greater than the MDL
NC-not calculable
ND-not detected at the MDL
NA-not applicable

Sample ID	**Compound**	**Laboratory Result (µg/L)**	**Laboratory Flag**	**RPD**
SSHS-B93-GW-18-22	Acetone	6.8	NA	55
DUP-3-GW	Acetone	12	NA	
SSHS-B93-GW-18-22	Tetrachloroethene	0.30	J	NC
DUP-3-GW	Tetrachloroethene	0.27	J	
SSHS-B93-GW-18-22	Trichloroethene	0.37	J	NC
DUP-3-GW	Trichloroethene	0.62	J	
SSHS-B93-GW-18-22	The other VOCs	ND	NA	0
DUP-3-GW	The other VOCs	ND	NA	

µg/L-microgram per liter
J-estimated concentration less than the RL and greater than the MDL
NC-not calculable
ND-not detected at the MDL

NA-not applicable

1.11 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were reported for sample SSHS-B96-SS; the sample was analyzed as a "high concentration" sample, per EPA method 5035.

The MDLs and RLs were the same as those listed in Tables C.1 and C.2 in the QAPP. It was noted that total 1,2-dichloroethene and total xylenes were not reported by the laboratory, but cis- and trans- 1,2-dichloroethene and o- and m&p- xylenes were reported. The summation of the MDLs and RLs for cis- and trans-1,2-dichloroethene and o- and m-&p-xylene were within the QAPP criteria for total 1,2-dichloroethene and total xylenes, respectively. In addition, 1,4-dioxane and 1,2,3-trichlorobenzene were reported by the laboratory, but not listed in Tables C.1 and C.2 in the QAPP.

The water MDLs for 1,2-dibromo-3-chloropropane and 1,2-dibromoethane were greater than the screening criteria listed in Table C.2 of the QAPP.

Compound	**Laboratory MDL (µg/L)**	**QAPP Screening Criteria (µg/L)**
1,2-Dibromoethane	0.18	0.00060
1,2-Dibromo-3-Chloropropane	0.14	0.040

µg/L-microgram per liter

1.12 Electronic Data Deliverable (EDD) Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140812-EQUIPMENT BLANK-SOIL, was truncated to 20140812-EQUIPMENT BLANK-SO in the EDD and the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II report and the EDD.

2.0 SEMIVOLATILE ORGANIC COMPOUNDS

Twenty-five solid samples, two MS/MSD pair, one equipment blank, one source blank and two field duplicate samples were analyzed for SVOCs per EPA Methods 3520C/8270D and 3541/8270D.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Method Blank
⊗ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
⊗ Source Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity
⊗ Electronic Data Deliverable Review

2.1 Overall Assessment

The SVOC data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

2.2 Holding Times

The holding times for the SVOC analysis of a solid sample are 14 days from sample collection to extraction and 40 days from extraction to analysis. The holding times for the SVOC analysis of a water sample are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three method blanks were reported with the data (batches 114701, 115180 and 115500). SVOCs were not detected in the method blanks above the MDLs.

2.4 Matrix Spike/Matrix Spike Duplicate

Two sample set specific MS/MSD pairs, using samples SSHS-B95-6-10 (8) and SSHS-B95-SS, were reported. The MS/MSD pairs had recovery and RPD results within the QAPP and laboratory (for 1,4-dioxane, 1,2,4,5-tetrachlorobenzene and 2,3,4,6-tetrachlorophenol only) specified acceptance criteria, with the following exceptions.

The recoveries of benzaldehyde in the MS/MSD pair using sample SSHS-B95-6-10 (8) were low and outside the QAPP specified acceptance criteria. Therefore, the undetected value of benzaldehyde in sample SSHS-B95-6-10 (8) was UJ qualified as estimated less than the MDL.

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
SSHS-B95-6-10 (8)	Benzaldehyde	53	U	53	UJ	4

µg/kg-microgram per kilogram
U-not detected at or above the MDL

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs and one LCS/LCSD pair were reported. The results for the LCSs and LCS/LCSD pair were within the QAPP and laboratory (for 1,4-dioxane, 1,2,4,5-tetrachlorobenzene and 2,3,4,6-tetrachlorophenol only) specified acceptance criteria for recovery and RPD.

2.6 Surrogate

Acceptable surrogate recoveries were reported for the sample analyses.

2.7 Source Blank

A source blank, 20140812-SOURCE BLANK, was collected with the sample set. SVOCs were not detected in the source blank above the MDLs, with the following exceptions.

Bis(2-ethylhexyl) phthalate (1.3 µg/L, soil equivalent concentration 22 µg/kg) and butyl benzyl phthalate (0.32 µg/L, soil equivalent concentration 5.3 µg/kg) were detected at estimated concentrations greater than the MDLs and less than the RLs in the source blank. Since the soil equivalent concentrations for these compounds were less than the soil MDLs, no qualifications were applied to the soil samples. However, the estimated concentration of butyl benzyl phthalate in the equipment blank was U qualified as not detected at the RL due to the source blank contamination.

Sample ID	**Compound**	**Laboratory Concentration (µg/L)**	**Laboratory Flag**	**Validation Concentration (µg/L)**	**Validation Qualifier**	**Reason Code**
20140812-EQUIPMENT BLANK-SOIL	Butyl benzyl phthalate	0.29	J	1.0	U	3

µg/L-microgram per liter
J-estimated concentration less than the RL and greater than the MDL

2.8 Equipment Blank

One equipment blank, EQUIPMENT BLANK-SOIL, was collected with the soil samples. SVOCs were not detected in the equipment blank above the MDLs, with the following exceptions.

Bis(2-ethylhexyl) phthalate (2.4 µg/L, soil equivalent concentration 40 µg/kg) was detected above the RL and butyl benzyl phthalate was detected at an estimated concentration greater than the MDL and less than the RL in the equipment blank. Since the butyl benzyl phthalate concentration in the equipment blank was U qualified as not detected at the RL, based on the source blank contamination no additional qualification was applied to the data.. Additionally, since the soil equivalent concentration of bis (2-ethylhexyl) phthalate was less than the soil MDL, no qualifications were applied to the soil data.

2.9 Field Duplicate

Two field duplicate samples, DUP-1 and DUP-2, were collected with the soil samples. Acceptable precision (RPD ≤50% if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B93-2-6 (5) and SSHS-B92-SS, respectively.

Compounds/field duplicate pairs with RPDs greater than 50% had one or both sample results less than five times the RLs; therefore, no qualifications were applied to the data for these compounds.

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**RPD**
SSHS-B93-2-6 (5)	2-Methylnaphthalene	8.6	J	NC

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**RPD**
DUP-1	2-Methylnaphthalene	6.9	J	
SSHS-B93-2-6 (5)	Benzo[a]anthracene	16	J	NC
DUP-1	Benzo[a]anthracene	9.2	U	
SSHS-B93-2-6 (5)	Benzo[a]pyrene	17	J	NC
DUP-1	Benzo[a]pyrene	7.3	U	
SSHS-B93-2-6 (5)	Benzo[b]fluoranthene	25	J	NC
DUP-1	Benzo[b]fluoranthene	12	U	
SSHS-B93-2-6 (5)	Benzo[g,h,i]perylene	28	J	NC
DUP-1	Benzo[g,h,i]perylene	7.3	U	
SSHS-B93-2-6 (5)	Chrysene	20	J	NC
DUP-1	Chrysene	8.7	U	
SSHS-B93-2-6 (5)	Fluoranthene	20	J	NC
DUP-1	Fluoranthene	21	J	
SSHS-B93-2-6 (5)	Indeno[1,2,3-cd]pyrene	20	J	NC
DUP-1	Indeno[1,2,3-cd]pyrene	7.6	U	
SSHS-B93-2-6 (5)	Phenanthrene	16	J	NC
DUP-1	Phenanthrene	19	J	
SSHS-B93-2-6 (5)	Pyrene	21	J	NC
DUP-1	Pyrene	25	J	
SSHS-B93-2-6 (5)	The other SVOCs	ND	NA	0
DUP-1	The other SVOCs	ND	NA	
SSHS-B92-SS	Anthracene	48	J	NC
DUP-2	Anthracene	9.9	J	
SSHS-B92-SS	Benzo[a]anthracene	420	NA	NC
DUP-2	Benzo[a]anthracene	82	J	
SSHS-B92-SS	Benzo[a]pyrene	480	NA	131
DUP-2	Benzo[a]pyrene	100	NA	
SSHS-B92-SS	Benzo[b]fluoranthene	730	NA	136
DUP-2	Benzo[b]fluoranthene	140	NA	
SSHS-B92-SS	Benzo[g,h,i]perylene	420	NA	NC
DUP-2	Benzo[g,h,i]perylene	90	J	
SSHS-B92-SS	Benzo[k]fluoranthene	210	NA	NC
DUP-2	Benzo[k]fluoranthene	51	J	
SSHS-B92-SS	Bis(2-ethylhexyl) phthalate	410	J	NC

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**RPD**
DUP-2	Bis(2-ethylhexyl) phthalate	110	J	
SSHS-B92-SS	Butyl benzyl phthalate	67	J	NC
DUP-2	Butyl benzyl phthalate	62	U	
SSHS-B92-SS	Carbazole	38	J	NC
DUP-2	Carbazole	8.3	U	
SSHS-B92-SS	Chrysene	510	NA	134
DUP-2	Chrysene	100	NA	
SSHS-B92-SS	Dibenz(a,h)anthracene	100	NA	NC
DUP-2	Dibenz(a,h)anthracene	10	U	
SSHS-B92-SS	Fluoranthene	930	NA	135
DUP-2	Fluoranthene	180	NA	
SSHS-B92-SS	Indeno[1,2,3-cd]pyrene	360	NA	NC
DUP-2	Indeno[1,2,3-cd]pyrene	87	J	
SSHS-B92-SS	Phenanthrene	230	NA	NC
DUP-2	Phenanthrene	56	J	
SSHS-B92-SS	Pyrene	690	NA	129
DUP-2	Pyrene	150	NA	
SSHS-B92-SS	The other SVOCs	ND	NA	0
DUP-2	The other SVOCs	ND	NA	

µg/kg-microgram per kilogram
U-not detected at the reported MDL
J-estimated concentration less than the RL and greater than the MDL
NC-not calculable
ND-not detected at the MDL
NA-not applicable

2.10 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were not reported.

The MDLs and RLs reported were the same as those listed in Table C.1 in the QAPP. In addition, 1,4-dioxane, 1,2,4,5-tetrachlorobenzene and 2,3,4,6-tetrachlorophenol were reported by the laboratory, but not listed in Table C.1 in the QAPP.

2.11 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140812-EQUIPMENT BLANK-SOIL, was truncated to 20140812-EQUIPMENT BLANK-SO in the EDD and the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II report and the EDD.

3.0 ORGANOCHLORINE PESTICIDES

Twenty-five solid samples, two MS/MSD pairs, one equipment blank, one source blank and two field duplicate samples were analyzed for organochlorine pesticides per EPA methods 3510C/8081B and 3541/8081B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Times
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
⊗ Source Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity
⊗ Electronic Data Deliverable Review

3.1 Overall Assessment

3.1.1 Completeness

The organochlorine pesticide data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

3.1.2 Analysis Anomalies

The samples were analyzed on two different gas chromatography (GC) columns, per the method protocol. Both PCBs and organochlorine pesticides were reported in the samples. Review of the raw data indicated that PCBs 1248 and 1260 were present in the samples; based on professional and technical judgment, the detections of the multi-peak PCBs resulted in false positives for some of the single peak organochlorine pesticides. Therefore, based on professional and technical judgment, for the organochlorine pesticides with RPD results between the two columns concentrations greater than 25%, the estimated concentrations of the organochlorine pesticides were U qualified as not detected at the RLs and concentrations greater than the RLs were U qualified as not detected at the reported concentrations. The qualifications are summarized in Attachment 3.

In addition, pesticide concentrations above the RL in the source blank were flagged by the laboratory with p, indicating the RPD between the two columns was greater than 40% RPD and the lower concentration was reported; PCBs were not detected in this sample. Therefore, based on professional and technical judgment, the p-flagged concentrations in the source blank were J qualified as estimated. These qualifications are also summarized in Attachment 3.

The report narrative indicated that the continuing calibration verification (CCV) recoveries for 4,4’-DDD and endosulfan II were high and outside the method specified acceptance criteria on one of the GC columns in analysis batch 115680. Since the detected concentrations of 4,4’-DDD and endosulfan II in the associated samples were U qualified as not detected at the RLs due to the RPD results between the two GC columns noted above, no additional qualifications were applied to the data.

3.2 Holding Times

The holding times for the pesticide analysis of solid samples are 14 days from sample collection to extraction and 40 days from extraction to analysis. The holding times for pesticide analysis of water samples are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

3.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three method blanks were reported with the data (batches 115362, 115626 and 15137). The organochlorine pesticides were not detected in the method blank above the MDLs.

3.4 Matrix Spike/Matrix Spike Duplicate

Two sample set specific MS/MSD pairs, using samples SSHS-B95-6-10 (8) and SSHS-B95-SS, were reported. The MS/MSD pairs had recovery and RPD results within the QAPP specified acceptance criteria.

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs and one LCS/LCSD pair were reported. The results for the LCSs and LCS/LCSD pair were within the QAPP specified acceptance criteria for recovery and RPD.

3.6 Surrogate

The surrogate recoveries were within the laboratory specified acceptance criteria.

3.7 Source Blank

One source blank, 20140812-SOURCE BLANK, was collected with the samples. The organochlorine pesticides were not detected in the source blank above the MDLs, with the following exceptions.

Aldrin and beta-BHC were detected in the source blank at concentrations greater than the RLs, 0.0023 µg/L and 0.0021 µg/L, respectively; the equivalent soil concentrations are 0.15 µg/kg and 0.14 µg/kg, respectively. No qualifications were applied to the soil samples since the equivalent soil concentrations for both aldrin and beta-BHC were less than the soil MDLs. However, due to the source blank contamination, the concentration of aldrin in the equipment blank was U qualified as not detected at the reported concentration.

It was noted that the concentrations of aldrin and beta-BHC in the source blank were J qualified as estimated at the reported concentrations, due to the RPDs between the two GC columns greater than 25%.

Sample ID	Compound	Laboratory Concentration (µg/L)	Laboratory Flag	Validation Concentration (µg/L)	Validation Qualifier	Reason Code
20140812-EQUIPMENT BLANK-SOIL	Aldrin	0.0014	p	0.0014	U	3

µg/L-microgram per liter
p-laboratory flag indicating the RPD between the two columns is greater than 40% RPD; the lower concentration was reported

3.8 Equipment Blank

One equipment blank, 20140812-EQUIPMENT BLANK-SOIL, was collected with the soil samples. The organochlorine pesticides were not detected in the equipment blank above the MDLs, with the following exception.

Aldrin was detected in the equipment blank at a concentration greater than the RL; however, the concentration of aldrin in the equipment blank was U qualified as not detected at the reported concentration, due to the source blank contamination. Therefore, no qualifications were applied to the associated soil samples.

3.9 Field Duplicate

Two field duplicate samples, DUP-1 and DUP-2, were collected with the soil samples. Acceptable precision (RPD ≤50% if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B93-2-6 (5) and SSHS-B92-SS, respectively.

Sample ID	Compound	Laboratory Result (µg/kg)	Laboratory Flag	RPD
SSHS-B93-2-6 (5)	4,4'-DDT	1.8	J	NC
DUP-1	4,4'-DDT	2.0	NA	
SSHS-B93-2-6 (5)	Endosulfan sulfate	0.19	U	NC
DUP-1	Endosulfan sulfate	0.19	J,p	
SSHS-B93-2-6 (5)	Endrin	0.98	J,p	NC
DUP-1	Endrin	0.99	J,p	
SSHS-B93-2-6 (5)	gamma-Chlordane	0.47	J,p	NC
DUP-1	gamma-Chlordane	0.59	J,p	
SSHS-B93-2-6 (5)	Heptachlor epoxide	0.59	J,p	NC
DUP-1	Heptachlor epoxide	0.70	J,p	
SSHS-B93-2-6 (5)	The other pesticides	ND	NA	0
DUP-1	The other pesticides	ND	NA	

Sample ID	Compound	Laboratory Result (µg/kg)	Laboratory Flag	RPD
SSHS-B92-SS	4,4'-DDT	0.88	J,p	NC
DUP-2	4,4'-DDT	0.34	U	
SSHS-B92-SS	Dieldrin	0.44	J,p	NC
DUP-2	Dieldrin	0.38	U	
SSHS-B92-SS	Endosulfan sulfate	0.28	J,p	NC
DUP-2	Endosulfan sulfate	0.24	U	
SSHS-B92-SS	Endrin	1.3	J,p	NC
DUP-2	Endrin	0.52	J,p	
SSHS-B92-SS	Endrin aldehyde	0.80	J,p	NC
DUP-2	Endrin aldehyde	0.44	U	
SSHS-B92-SS	gamma-Chlordane	1.6	J	NC
DUP-2	gamma-Chlordane	0.45	U	
SSHS-B92-SS	Heptachlor epoxide	0.50	J,p	NC
DUP-2	Heptachlor epoxide	0.44	U	
SSHS-B92-SS	The other pesticides	ND	NA	0
DUP-2	The other pesticides	ND	NA	

µg/kg-microgram per kilogram
NA-not applicable
NC-not calculable
U-not detected at the reported MDL
J-estimated concentration greater than the MDL and less than the RL
p-laboratory flag indicating the RPD between the two columns is greater than 40% RPD; the lower concentration was reported
ND-not detected at the MDL

3.10 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were not reported.

The MDLs and RLs reported were 1/10 of those listed in Table C.1 in the QAPP.

3.11 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140814-EQUIPMENT BLANK-SOIL, was truncated to 20140814-EQUIPMENT BLANK-S in the EDD and the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II report and the EDD.

4.0 POLYCHLORINATED BIPHENYLS

Twenty-five solid samples, two MS/MSD pairs, one equipment blank, one source blank and two field duplicate samples were analyzed for PCBs per EPA Methods 3510C/8082A and 3541/8082A.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Time
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
✓ Source Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity
⊗ Electronic Data Deliverable Review

4.1 Overall Assessment

4.1.1 Completeness

The PCB (Aroclor) data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

4.1.2 Analysis Anomalies

The samples were analyzed on two different GC columns. Three estimated PCB concentrations were flagged by the laboratory with p, indicating the RPD between the two GC columns was greater than 40% RPD and the lower concentration was reported. Therefore, based on professional and technical judgment, the p-flagged concentrations were J qualified as estimated.

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B95-10-15 (11.5)	PCB-1260	4.7	J,p	4.7	J	13
SSHS-B95-SS	PCB-1248	6.8	J,p	6.8	J	13
SSHS-B96-SS	PCB-1248	6.9	J,p	6.9	J	13

µg/kg-microgram per kilogram
p-laboratory flag indicating the RPD between the two columns is greater than 40% RPD; the lower concentration was reported
J-estimated concentration less than the RL and greater than the MDL

4.2 Holding Times

The holding times for PCB analysis of solid samples are 14 days from sample collection to extraction and 40 days from extraction to analysis. The holding times for PCB analysis of water samples are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

4.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three method blanks were reported with the data (batches 115362, 115626 and 15137). PCBs were not detected in the method blanks above the MDLs.

4.4 Matrix Spike/Matrix Spike Duplicate

Two sample set specific MS/MSD pairs, using samples SSHS-B95-6-10 (8) and SSHS-B95-SS, were reported. The MS/MSD pairs had recovery and RPD results within the QAPP specified acceptance criteria.

4.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs and one LCS/LCSD pair were reported. The results for the LCSs and LCS/LCSD pair were within the QAPP specified acceptance criteria for recovery and RPD.

4.6 Surrogate

The surrogate recoveries were within the laboratory specified acceptance criteria.

4.7 Source Blank

One source blank, 20140812-SOURCE BLANK, was collected with the samples. PCBs were not detected in the source blank above the MDLs.

4.8 Equipment Blank

One equipment blank, 20140812-EQUIPMENT BLANK-SOIL, was collected with the soil samples. PCBs were not detected in the equipment blank above the MDLs.

4.9 Field Duplicate

Two field duplicate samples, DUP-1 and DUP-2, were collected with the soil samples. Acceptable precision (RPD ≤50% if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B93-2-6 (5) and SSHS-B92-SS, respectively.

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**RPD**
SSHS-B93-2-6 (5)	PCB-1248	69	NA	8
DUP-1	PCB-1248	64	NA	
SSHS-B93-2-6 (5)	PCB-1260	15	J	NC
DUP-1	PCB-1260	15	J	
SSHS-B93-2-6 (5)	The other PCBs	ND	NA	0
DUP-1	The other PCBs	ND	NA	
SSHS-B92-SS	PCB-1248	69	NA	NC
DUP-2	PCB-1248	2.1	U	
SSHS-B92-SS	PCB-1260	22	J	NC
DUP-2	PCB-1260	3.2	U	
SSHS-B92-SS	The other PCBs	ND	NA	0
DUP-2	The other PCBs	ND	NA	

µg/kg-microgram per kilogram
NA-not applicable
NC-not calculable
U-not detected at the reported MDL
J-estimated concentration greater than the MDL and less than the RL

ND-not detected at the MDL

4.10 Sensitivity

The samples were reported to the MDLs. No elevated nondetect results were reported.

The MDLs and RLs were the same as those listed in Table C.1 in the QAPP. It was noted that total PCBs were listed in Table C.1 in the QAPP, but not reported by the laboratory.

4.11 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140812-EQUIPMENT BLANK-SOIL, was truncated to 20140812-EQUIPMENT BLANK-SO in the EDD and the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II report and the EDD.

5.0 GASOLINE RANGE ORGANICS

One source blank was analyzed for GRO per EPA Methods 5030C/8015D.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
✓ Source Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity
⊗ Electronic Data Deliverable Review

5.1 Overall Assessment

The GRO data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

5.2 Holding Times

The holding time for the GRO analysis of a preserved water sample is 14 days from sample collection to analysis. The holding time was met for the sample analysis.

5.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported with the data (batch 143382). GRO was not detected in the method blank above the MDL.

5.4 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were analyzed at the proper frequency for the number and types of samples analyzed (one pair per batch of 20 samples). One sample set specific MS/MSD pair, using samples 20140812-SOURCE BLANK, was reported. The MS/MSD pair had recovery and RPD results within the QAPP specified acceptance criteria.

5.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The result for the LCS was within the QAPP specified acceptance criterion for recovery.

5.6 Surrogate

Acceptable surrogate recoveries were reported for the sample analyses.

5.7 Source Blank

One source blank, 20140812-SOURCE BLANK, was collected with the samples. GRO was not detected in the source blank above the MDL.

5.8 Equipment Blank

Two equipment blanks were collected with the sample set, but not analyzed for GRO.

5.9 Field Duplicate

Three field duplicate samples were collected with the sample set, but not analyzed for GRO.

5.10 Sensitivity

The sample was reported to the MDLs. Elevated nondetect results were not reported.

The MDL and RL reported were the same as those listed in Table C.2 in the QAPP.

5.11 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20%. It was noted that the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II report and the EDD.

6.0 DIESEL RANGE ORGANICS

One source blank was analyzed for DRO per EPA Methods 3520C/8015D.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
✓ Source Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity

⊗ Electronic Data Deliverable Review

6.1 Overall Assessment

The DRO data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

6.2 Holding Times

The holding times for the DRO analysis of a water sample are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

6.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported with the data (batch 143102). DRO was not detected in the method blank above the MDL.

6.4 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were not reported.

6.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The results for the LCS were within the QAPP specified acceptance criterion for recovery.

6.6 Surrogate

Acceptable surrogate recoveries were reported for the sample analyses.

6.7 Source Blank

One source blank, 20140812-SOURCE BLANK, was collected with the samples. DRO was not detected in the source blank above the MDL.

6.8 Equipment Blank

Two equipment blanks were collected with the sample set, but not analyzed for DRO.

6.9 Field Duplicate

Three field duplicate samples were collected with the sample set, but not analyzed for DRO.

6.10 Sensitivity

The samples were reported to the MDLs. No elevated nondetect results were reported.

The MDL and RL reported were the same as those listed in Table C.2 in the QAPP.

6.11 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20%. It was noted that the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II report and the EDD.

7.0 METALS

Twenty-five solid samples, one MS/MSD pair, one equipment blank, one source blank and two field duplicate samples were analyzed for metals per EPA Methods 3005A/6010C and 3050B/6010C (Mercury evaluated separately in Section 8.0, below).

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ⊗ Method Blank
- ⊗ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Source Blank
- ✓ Equipment Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ⊗ Electronic Data Deliverable Review

7.1 Overall Assessment

The metals data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

7.2 Holding Times

The holding times for metals analyses of water and solid samples are 180 days from sample collection to analysis. The holding times were met for the sample analyses.

7.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three method blanks were reported with the data (batches 115460, 115461 and 115029). The metals were not detected in the method blanks above the MDLs, with the following exceptions.

Potassium and sodium were detected at estimated concentrations greater than the MDLs and less than the RLs in the method blank in batch 115029. Therefore, the concentrations of potassium and sodium in the associated samples were U qualified as not detected at the RLs.

Barium, cadmium, calcium, nickel, sodium and zinc were detected at estimated concentrations greater than the MDLs and less than the RLs in the method blank in batch 115460. Since barium, calcium, nickel and zinc were detected in the associated sample at concentrations greater than the RLs, no qualifications were applied to the barium, calcium, nickel and zinc data. However, the concentrations of cadmium and sodium in the associated samples were U qualified as not detected at the RLs.

Cadmium, nickel, potassium, sodium and zinc were detected at estimated concentrations greater than the MDLs and less than the RLs in the method blank in batch 115461. Since nickel, potassium and zinc were detected in the associated sample at concentrations greater than the RLs, no qualifications were applied to the nickel, potassium and zinc data. However, the concentrations of cadmium and sodium in the associated samples were U qualified as not detected at the RLs.

Sample ID	Compound	Laboratory Concentration (µg/L)	Laboratory Flag	Validation Concentration (µg/L)	Validation Qualifier	Reason Code
20140812-EQUIPMENT BLANK-SO	Potassium	240	J,B	5000	U	3
20140812-EQUIPMENT BLANK-SO	Sodium	43	J,B	5000	U	3
20140812-SOURCE BLANK	Potassium	220	J,B	5000	U	3
20140812-SOURCE BLANK	Sodium	25	J,B	5000	U	3

µg/L-microgram per liter
J-estimated concentration less than the RL and greater than the MDL
B-compound was detected in both the method blank and sample

Sample ID	Compound	Laboratory Concentration (mg/kg)	Laboratory Flag	Validation Concentration (mg/kg)	Validation Qualifier	Reason Code
DUP-1	Cadmium	0.088	J,B	0.54	U	3
DUP-1	Sodium	70	J,B	540	U	3
DUP-2	Cadmium	0.14	J,B	0.63	U	3
DUP-2	Sodium	40	J,B	630	U	3
SSHS-B92-0.17-2 (1)	Cadmium	0.16	J,B	0.56	U	3
SSHS-B92-0.17-2 (1)	Sodium	120	J,B	560	U	3
SSHS-B92-10-16 (12)	Cadmium	0.064	J,B	0.58	U	3
SSHS-B92-10-16 (12)	Sodium	59	J,B	580	U	3
SSHS-B92-2-6 (4)	Cadmium	0.078	J,B	0.52	U	3

Sample ID	**Compound**	**Laboratory Concentration (mg/kg)**	**Laboratory Flag**	**Validation Concentration (mg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B92-2-6 (4)	Sodium	220	J,B	520	U	3
SSHS-B92-6-10 (9)	Cadmium	0.13	J,B	0.66	U	3
SSHS-B92-6-10 (9)	Sodium	100	J,B	660	U	3
SSHS-B92-SS	Cadmium	0.16	J,B	0.71	U	3
SSHS-B92-SS	Sodium	75	J,B	710	U	3
SSHS-B93-0.17-2 (1.5)	Cadmium	0.14	J,B	0.62	U	3
SSHS-B93-0.17-2 (1.5)	Sodium	57	J,B	620	U	3
SSHS-B93-10-16 (15)	Cadmium	0.10	J,B	0.46	U	3
SSHS-B93-10-16 (15)	Sodium	53	J,B	460	U	3
SSHS-B93-2-6 (5)	Cadmium	0.070	J,B	0.58	U	3
SSHS-B93-2-6 (5)	Sodium	52	J,B	580	U	3
SSHS-B93-6-10 (9.5)	Cadmium	0.068	J,B	0.45	U	3
SSHS-B93-6-10 (9.5)	Sodium	40	J,B	450	U	3
SSHS-B93-SS	Cadmium	0.12	J,B	0.61	U	3
SSHS-B93-SS	Sodium	32	J,B	610	U	3
SSHS-B94-0.17-2 (1)	Cadmium	0.13	J,B	0.57	U	3
SSHS-B94-0.17-2 (1)	Sodium	50	J,B	570	U	3
SSHS-B94-10-16 (14)	Cadmium	0.094	J,B	0.57	U	3
SSHS-B94-10-16 (14)	Sodium	61	J,B	570	U	3
SSHS-B94-2-6 (6)	Cadmium	0.072	J,B	0.52	U	3
SSHS-B94-2-6 (6)	Sodium	72	J,B	520	U	3
SSHS-B94-6-10 (7)	Cadmium	0.060	J,B	0.52	U	3
SSHS-B94-6-10 (7)	Sodium	86	J,B	520	U	3
SSHS-B94-SS	Cadmium	0.22	J,B	0.64	U	3
SSHS-B94-SS	Sodium	40	J,B	640	U	3

Sample ID	Compound	Laboratory Concentration (mg/kg)	Laboratory Flag	Validation Concentration (mg/kg)	Validation Qualifier	Reason Code
SSHS-B95-0.17-2 (1.5)	Cadmium	0.13	J,B	0.58	U	3
SSHS-B95-0.17-2 (1.5)	Sodium	60	J,B	580	U	3
SSHS-B95-10-15 (11.5)	Cadmium	0.18	J,B	0.55	U	3
SSHS-B95-10-15 (11.5)	Sodium	55	J,B	550	U	3
SSHS-B95-2-6 (4)	Cadmium	0.041	J,B	0.52	U	3
SSHS-B95-2-6 (4)	Sodium	38	J,B	520	U	3
SSHS-B95-6-10 (8)	Cadmium	0.031	J,B	0.54	U	3
SSHS-B95-6-10 (8)	Sodium	34	J,B	540	U	3
SSHS-B95-SS	Cadmium	0.16	J,B	0.67	U	3
SSHS-B95-SS	Sodium	43	J,B	670	U	3
SSHS-B96-0.17-2 (1.5)	Cadmium	0.095	J,B	0.49	U	3
SSHS-B96-0.17-2 (1.5)	Sodium	46	J,B	490	U	3
SSHS-B96-10-15.5 (12.5)	Cadmium	0.048	J,B	0.53	U	3
SSHS-B96-10-15.5 (12.5)	Sodium	52	J,B	530	U	3
SSHS-B96-2-6 (4.5)	Cadmium	0.054	J,B	0.52	U	3
SSHS-B96-2-6 (4.5)	Sodium	78	J,B	520	U	3
SSHS-B96-6-10 (9.5)	Cadmium	0.074	J,B	0.54	U	3
SSHS-B96-6-10 (9.5)	Sodium	80	J,B	540	U	3
SSHS-B96-SS	Cadmium	0.085	J,B	0.61	U	3
SSHS-B96-SS	Sodium	42	J,B	610	U	3

mg/kg-milligram per kilogram
J-estimated concentration less than the RL and greater than the MDL
B-compound was detected in both the method blank and sample

7.4 Matrix Spike/Matrix Spike Duplicate

A sample set specific MS/MSD pair, using sample SSHS-B95-6-10 (8), was reported. The recovery and RPD results were within the QAPP specified acceptance criteria, with the following exceptions.

The recoveries of antimony were low and outside the QAPP specified acceptance criteria. A post digestion spike (PDS) was also analyzed, with the antimony recovery within the laboratory specified acceptance criteria. Therefore, the undetected value of antimony in sample SSHS-B95-6-10 (8) was UJ qualified as estimated less than the MDL.

It was noted that the recovery criteria for aluminum, iron and manganese were not applicable since the concentrations of these three metals in sample SSHS-B95-6-10 (8) were greater than four times the spike concentrations. No qualifications were applied to the data.

Sample ID	**Compound**	**Laboratory Concentration (mg/kg)**	**Laboratory Flag**	**Validation Concentration (mg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B95-6-10 (8)	Antimony	0.21	U	0.21	UJ	4

mg/kg-milligram per kilogram
U-not detected at the reported MDL

7.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three LCSs were analyzed. The results for the LCSs were within the QAPP specified acceptance criteria for recovery.

7.6 Source Blank

One source blank, 20140812-SOURCE BLANK, was collected with the samples. Metals were not detected in the source blank above the MDLs, with the following exceptions.

Potassium and sodium were detected at estimated concentrations greater than the MDLs and less the RLs. Since the potassium and sodium concentrations in the source blank were U qualified as not detected at the RLs based on the method blank contamination, no additional qualifications were applied to the potassium and sodium data.

7.7 Equipment Blank

One equipment blank, EQUIPMENT BLANK-SOIL, was collected with the soil samples. The metals were not detected in the equipment blank above the MDLs, with the following exceptions.

Copper, manganese, potassium and sodium were detected at estimated concentrations greater than the MDLs and less than the RLs in the equipment blank. The potassium and sodium concentrations in the equipment blank were U qualified as not detected at the RLs based on the method blank contamination; therefore, no qualifications were applied to the potassium and sodium data. Copper and manganese were detected above the RLs in the associated soil samples; therefore, no additional qualifications were applied to the copper and manganese data.

In addition, iron was detected in the equipment blank at a concentration greater than the RL, 110 µg/L (equivalent soil concentration 5.5 mg/kg). Since iron was detected in the associated soil samples at concentrations greater than ten times the equivalent soil concentration, no qualifications were applied to the iron data.

7.8 Field Duplicate

Two field duplicate samples, DUP-1 and DUP-2, were collected with the soil samples. Acceptable precision (RPD ≤50% if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B93-2-6 (5) and SSHS-B92-SS, respectively.

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	RPD
SSHS-B93-2-6 (5)	Aluminum	7800	NA	3
DUP-1	Aluminum	8000	NA	
SSHS-B93-2-6 (5)	Arsenic	7.3	NA	4
DUP-1	Arsenic	7.0	NA	
SSHS-B93-2-6 (5)	Barium	61	B	15
DUP-1	Barium	71	NA	
SSHS-B93-2-6 (5)	Beryllium	0.31	J	NC
DUP-1	Beryllium	0.32	J	
SSHS-B93-2-6 (5)	Cadmium	0.070	J,B	NC
DUP-1	Cadmium	0.088	J,B	
SSHS-B93-2-6 (5)	Calcium	18000	B	6
DUP-1	Calcium	17000	NA	
SSHS-B93-2-6 (5)	Chromium	10	NA	18
DUP-1	Chromium	12	NA	

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	RPD
SSHS-B93-2-6 (5)	Cobalt	6.7	NA	0
DUP-1	Cobalt	6.7	NA	
SSHS-B93-2-6 (5)	Copper	62	NA	41
DUP-1	Copper	41	NA	
SSHS-B93-2-6 (5)	Iron	22000	NA	0
DUP-1	Iron	22000	NA	
SSHS-B93-2-6 (5)	Lead	22	NA	9
DUP-1	Lead	24	NA	
SSHS-B93-2-6 (5)	Magnesium	4300	NA	18
DUP-1	Magnesium	3600	NA	
SSHS-B93-2-6 (5)	Manganese	520	NA	2
DUP-1	Manganese	510	NA	
SSHS-B93-2-6 (5)	Nickel	17	B	11
DUP-1	Nickel	19	B	
SSHS-B93-2-6 (5)	Potassium	590	NA	5
DUP-1	Potassium	560	B	
SSHS-B93-2-6 (5)	Sodium	52	J,B	NC
DUP-1	Sodium	70	J,B	
SSHS-B93-2-6 (5)	Vanadium	12	NA	0
DUP-1	Vanadium	12	NA	
SSHS-B93-2-6 (5)	Zinc	73	B	3
DUP-1	Zinc	71	B	
SSHS-B93-2-6 (5)	The other metals	ND	NA	0
DUP-1	The other metals	ND	NA	
SSHS-B92-SS	Aluminum	9000	NA	11
DUP-2	Aluminum	10000	NA	
SSHS-B92-SS	Arsenic	7.2	NA	14
DUP-2	Arsenic	8.3	NA	
SSHS-B92-SS	Barium	80	B	22
DUP-2	Barium	100	NA	
SSHS-B92-SS	Beryllium	0.46	J	NC
DUP-2	Beryllium	0.54	NA	
SSHS-B92-SS	Cadmium	0.16	J,B	NC
DUP-2	Cadmium	0.14	J,B	
SSHS-B92-SS	Calcium	2200	B	4
DUP-2	Calcium	2300	NA	
SSHS-B92-SS	Chromium	14	NA	7
DUP-2	Chromium	13	NA	
SSHS-B92-SS	Cobalt	7.5	NA	20
DUP-2	Cobalt	9.2	NA	

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**
SSHS-B92-SS	Copper	16	NA	0
DUP-2	Copper	16	NA	
SSHS-B92-SS	Iron	19000	NA	10
DUP-2	Iron	21000	NA	
SSHS-B92-SS	Lead	18	NA	5
DUP-2	Lead	19	NA	
SSHS-B92-SS	Magnesium	2500	NA	15
DUP-2	Magnesium	2900	NA	
SSHS-B92-SS	Manganese	420	NA	21
DUP-2	Manganese	520	NA	
SSHS-B92-SS	Nickel	18	B	15
DUP-2	Nickel	21	B	
SSHS-B92-SS	Potassium	770	NA	11
DUP-2	Potassium	860	B	
SSHS-B92-SS	Selenium	0.45	J	NC
DUP-2	Selenium	0.52	J	
SSHS-B92-SS	Sodium	75	J,B	NC
DUP-2	Sodium	40	J,B	
SSHS-B92-SS	Vanadium	11	NA	24
DUP-2	Vanadium	14	NA	
SSHS-B92-SS	Zinc	62	B	3
DUP-2	Zinc	60	B	
SSHS-B92-SS	The other metals	ND	NA	0
DUP-2	The other metals	ND	NA	

mg/kg-milligram per kilogram
J-estimated concentration less than the RL and greater than the MDL
B-compound was detected in both the sample and method blank
NC-not calculable
ND-not detected at the MDL
NA-not applicable

7.9 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were not reported.

The MDLs and RLs were the same as those listed in Table C.1 in the QAPP.

7.10 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140812-EQUIPMENT BLANK-SOIL, was truncated to 20140812-EQUIPMENT BLANK-SO in the EDD and the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II report and the EDD.

8.0 MERCURY

Twenty-five solid samples, one MS/MSD pair, one equipment blank, one source blank and two field duplicate samples were analyzed for mercury per EPA Methods 7470A and 7471B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Source Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity
⊗ Electronic Data Deliverable Review

8.1 <u>Overall Assessment</u>

The mercury data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

8.2 <u>Holding Times</u>

The holding times for mercury analyses of water and solid samples are 28 days from sample collection to analysis. The holding times were met for the sample analyses.

8.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three method blanks were reported with the data (batch 114731, 115222 and 115584). Mercury was not detected in the method blanks above the MDLs.

8.4 Matrix Spike/Matrix Spike Duplicate

A sample set specific MS/MSD pair, using sample SSHS-B95-6-10 (8) and two MSs using samples SSHS-B92-10-16 (12) and SSHS-B93-6-10 (9.5) were reported. The results of the MS/MSD pair and MSs were within the QAPP specified acceptance criteria.

8.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs and one LCS/LCSD pair were analyzed. The results for the LCSs and LCS/LCSD pair were within the QAPP specified acceptance criteria for recovery and RPD.

8.6 Source Blank

One source blank, 20140812-SOURCE BLANK, was collected with the samples. Mercury was not detected in the source blank above the MDL.

8.7 Equipment Blank

One equipment blank, EQUIPMENT BLANK-SOIL, was collected with the soil samples. Mercury was not detected in the equipment blank above the MDL.

8.8 Field Duplicate

Two field duplicate samples, DUP-1 and DUP-2, were collected with the soil samples. Acceptable precision (RPD $\leq$50% if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B93-2-6 (5) and SSHS-B92-SS, respectively.

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	RPD
SSHS-B93-2-6 (5)	Mercury	0.023	J	NC
DUP-1	Mercury	0.019	J	
SSHS-B92-SS	Mercury	0.038	J	NC
DUP-2	Mercury	0.038	J	

mg/kg-milligram per kilogram
J-estimated concentration less than the RL and greater than the MDL
NC-not calculable

8.9 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were not reported.

The soil MDL and RL were the same as those listed in Table C.1 in the QAPP.

8.10 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140812-EQUIPMENT BLANK-SOIL, was truncated to 20140812-EQUIPMENT BLANK-SO in the EDD and the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II report and the EDD.

9.0 CYANIDE

Twenty-five solid samples, two MS/MSD pairs, one equipment blank, one source blank and two field duplicate samples were analyzed for cyanide per EPA Methods 9010C/9014.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Source Blank

✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity
⊗ Electronic Data Deliverable Review

9.1 Overall Assessment

The cyanide data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

9.2 Holding Times

The holding times for the cyanide analyses of solid and water samples are 14 days from sample collection to analysis. The holding times were met for the sample analyses.

9.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three method blanks were reported with the data (batch 115113, 115269 and 115561). Cyanide was not detected in the method blanks above the MDL.

9.4 Matrix Spike/Matrix Spike Duplicate

Two sample set specific MS/MSD pairs, using samples SSHS-B95-6-10 (8) and SSHS-B93-6-10 (9.5), were reported. The recovery and RPD results were within the laboratory specified acceptance criteria; there were no cyanide acceptance criteria in the QAPP.

9.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three LCSs, three low LCSs (LLCS) and three high LCSs (HLCS) were reported. The results for the LCSs, LLCSs and HLCSs were within the laboratory specified acceptance criteria for recovery; there were no cyanide acceptance criteria in the QAPP.

9.6 Source Blank

One source blank, 20140812-SOURCE BLANK, was collected with the samples. Cyanide was not detected in the source blank above the MDL.

9.7 Equipment Blank

One equipment blank, EQUIPMENT BLANK-SOIL, was collected with the soil samples. Cyanide was not detected in the equipment blank above the MDL.

9.8 Field Duplicate

Two field duplicate samples, DUP-1 and DUP-2, were collected with the soil samples. Acceptable precision (RPD ≤50% if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B93-2-6 (5) and SSHS-B92-SS, respectively.

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	RPD
SSHS-B93-2-6 (5)	Cyanide, Total	0.47	J	NC
DUP-1	Cyanide, Total	0.59	NA	
SSHS-B92-SS	Cyanide, Total	0.29	J	NC
DUP-2	Cyanide, Total	1.6	NA	

mg/kg-milligram per kilogram
J-estimated concentration less than the RL and greater than the MDL
NA-not applicable
NC-not calculable

9.9 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were not reported.

The MDL and RL were not listed for cyanide in Table C.1 in the QAPP.

9.10 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140812-EQUIPMENT BLANK-SOIL, was truncated to 20140812-EQUIPMENT BLANK-SO in the EDD and the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II report and the EDD.

* * * * *

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; however, the associated numerical value is likely to be higher that the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.
J-	The analyte was positively identified; however, the associated numerical value is likely to be lower that the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	**Description**
1	Preservation requirement not met
2	Analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS recovery outside limits
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other

RPD-relative percent difference

ATTACHMENT 3
Organochlorine Pesticide Qualifications Due to RPDs between GC Columns

Sample ID	**Compound**	**Laboratory Concentration (µg/L)**	**Laboratory Flag**	**Validation Concentration (µg/L)**	**Validation Qualifier**	**Reason Code**
20140812-SOURCE BLANK	Aldrin	0.0023	p	0.0023	J	13
20140812-SOURCE BLANK	beta-BHC	0.0021	p	0.0021	J	13

µg/L-microgram per liter
p-laboratory flag indicating the RPD between the two columns is greater than 40% RPD; the lower concentration was reported

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
DUP-1	Endosulfan sulfate	0.19	J,p	1.9	U	13
DUP-1	Endrin	0.99	J,p	1.9	U	13
DUP-1	gamma-Chlordane	0.59	J,p	1.9	U	13
DUP-1	Heptachlor epoxide	0.7	J,p	1.9	U	13
DUP-2	Endrin	0.52	J,p	2.3	U	13
SSHS-B92-0.17-2 (1)	4,4'-DDD	0.67	J,p	1.9	U	13
SSHS-B92-0.17-2 (1)	4,4'-DDT	1.4	J,p	1.9	U	13
SSHS-B92-0.17-2 (1)	delta-BHC	1.2	J	1.9	U	13
SSHS-B92-0.17-2 (1)	Dieldrin	0.75	J,p	1.9	U	13
SSHS-B92-0.17-2 (1)	Endosulfan sulfate	0.4	J,p	1.9	U	13
SSHS-B92-0.17-2 (1)	Endrin	4.9	NA	4.9	U	13
SSHS-B92-0.17-2 (1)	Endrin ketone	0.4	J,p	1.9	U	13
SSHS-B92-0.17-2 (1)	gamma-Chlordane	3.9	p	3.9	U	13
SSHS-B92-0.17-2 (1)	Heptachlor	1.2	J,p	1.9	U	13
SSHS-B92-0.17-2 (1)	Heptachlor epoxide	2	p	2	U	13
SSHS-B92-2-6	4,4'-DDD	0.5	J,p	1.9	U	13

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
(4)						
SSHS-B92-2-6 (4)	4,4'-DDT	1.1	J,p	1.9	U	13
SSHS-B92-2-6 (4)	alpha-BHC	0.44	J,p	1.9	U	13
SSHS-B92-2-6 (4)	delta-BHC	0.35	J,p	1.9	U	13
SSHS-B92-2-6 (4)	Endosulfan sulfate	0.33	J,p	1.9	U	13
SSHS-B92-2-6 (4)	Endrin	1.4	J,p	1.9	U	13
SSHS-B92-2-6 (4)	gamma-Chlordane	0.7	J,p	1.9	U	13
SSHS-B92-2-6 (4)	Methoxychlor	1.3	J,p	3.7	U	13
SSHS-B92-SS	4,4'-DDT	0.88	J,p	2.5	U	13
SSHS-B92-SS	Dieldrin	0.44	J,p	2.5	U	13
SSHS-B92-SS	Endosulfan sulfate	0.28	J,p	2.5	U	13
SSHS-B92-SS	Endrin	1.3	J,p	2.5	U	13
SSHS-B92-SS	Endrin aldehyde	0.8	J,p	2.5	U	13
SSHS-B92-SS	gamma-Chlordane	1.6	J	2.5	U	13
SSHS-B92-SS	Heptachlor epoxide	0.5	J,p	2.5	U	13
SSHS-B93-0.17-2 (1.5)	4,4'-DDD	0.6	J,p	2	U	13
SSHS-B93-0.17-2 (1.5)	4,4'-DDT	2	p	2	U	13
SSHS-B93-0.17-2 (1.5)	Dieldrin	0.69	J,p	2	U	13
SSHS-B93-0.17-2 (1.5)	gamma-Chlordane	0.91	J,p	2	U	13
SSHS-B93-0.17-2 (1.5)	Heptachlor epoxide	0.38	J,p	2	U	13
SSHS-B93-0.17-2 (1.5)	Methoxychlor	0.61	J,p	3.9	U	13
SSHS-B93-2-6 (5)	Endrin	0.98	J,p	1.9	U	13
SSHS-B93-2-6 (5)	gamma-Chlordane	0.47	J,p	1.9	U	13
SSHS-B93-2-6 (5)	Heptachlor epoxide	0.59	J,p	1.9	U	13

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
SSHS-B94-0.17-2 (1)	4,4'-DDT	1.5	J,p	1.9	U	13
SSHS-B94-0.17-2 (1)	Heptachlor epoxide	0.38	J,p	1.9	U	13
SSHS-B94-0.17-2 (1)	Methoxychlor	1.7	J,p	3.8	U	13
SSHS-B94-10-16 (14)	Endosulfan sulfate	0.33	J,p	1.9	U	13
SSHS-B94-10-16 (14)	Endrin	1.6	J,p	1.9	U	13
SSHS-B94-10-16 (14)	Endrin ketone	0.37	J,p	1.9	U	13
SSHS-B94-10-16 (14)	gamma-Chlordane	3.3	p	3.3	U	13
SSHS-B94-10-16 (14)	Heptachlor epoxide	4	p	4	U	13
SSHS-B94-10-16 (14)	Methoxychlor	1.2	J,p	3.6	U	13
SSHS-B94-6-10 (7)	4,4'-DDD	0.42	J,p	1.9	U	13
SSHS-B94-6-10 (7)	4,4'-DDT	3	p	3	U	13
SSHS-B94-6-10 (7)	Aldrin	8.8	p	8.8	U	13
SSHS-B94-6-10 (7)	alpha-Chlordane	0.74	J,p	1.9	U	13
SSHS-B94-6-10 (7)	beta-BHC	1.8	J,p	1.9	U	13
SSHS-B94-6-10 (7)	Endosulfan II	0.36	J,p	1.9	U	13
SSHS-B94-6-10 (7)	Endosulfan sulfate	1.9	p	1.9	U	13
SSHS-B94-6-10 (7)	Endrin	9.4	p	9.4	U	13
SSHS-B94-6-10 (7)	Endrin aldehyde	0.89	J,p	1.9	U	13
SSHS-B94-6-10 (7)	gamma-Chlordane	35	NA	35	U	13
SSHS-B94-6-10 (7)	Heptachlor epoxide	28	p	28	U	13
SSHS-B94-6-10 (7)	Methoxychlor	7.1	p	7.1	U	13
SSHS-B94-SS	Endrin	0.47	J,p	2.4	U	13
SSHS-B95-0.17-2 (1.5)	4,4'-DDD	0.26	J,p	1.9	U	13

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
SSHS-B95-0.17-2 (1.5)	4,4'-DDT	1.1	J,p	1.9	U	13
SSHS-B95-0.17-2 (1.5)	alpha-BHC	0.32	J,p	1.9	U	13
SSHS-B95-0.17-2 (1.5)	delta-BHC	0.58	J,p	1.9	U	13
SSHS-B95-0.17-2 (1.5)	Endosulfan sulfate	0.44	J,p	1.9	U	13
SSHS-B95-0.17-2 (1.5)	Endrin	2.7	p	2.7	U	13
SSHS-B95-0.17-2 (1.5)	Endrin ketone	0.42	J,p	1.9	U	13
SSHS-B95-0.17-2 (1.5)	gamma-Chlordane	3.1	p	3.1	U	13
SSHS-B95-0.17-2 (1.5)	Heptachlor epoxide	1.4	J,p	1.9	U	13
SSHS-B95-0.17-2 (1.5)	Methoxychlor	1.7	J,p	1.9	U	13
SSHS-B95-2-6 (4)	Endrin	0.38	J,p	1.8	U	13
SSHS-B95-2-6 (4)	gamma-Chlordane	0.5	J,p	1.8	U	13
SSHS-B95-6-10 (8)	Endrin	0.48	J	0.48	U	13
SSHS-B96-0.17-2 (1.5)	4,4'-DDD	0.34	J	1.8	U	13
SSHS-B96-0.17-2 (1.5)	4,4'-DDT	1.2	J,p	1.8	U	13
SSHS-B96-0.17-2 (1.5)	Dieldrin	0.35	J,p	1.8	U	13
SSHS-B96-0.17-2 (1.5)	Endrin	0.91	J	1.8	U	13
SSHS-B96-0.17-2 (1.5)	gamma-Chlordane	0.74	J,p	1.8	U	13
SSHS-B96-SS	Dieldrin	0.51	J,p	2.1	U	13
SSHS-B94-2-6 (6)	Dieldrin	0.31	J,p	1.8	U	13
SSHS-B94-2-6 (6)	Endosulfan sulfate	0.45	J,p	1.8	U	13
SSHS-B94-2-6 (6)	Endrin	2.3	p	2.3	U	13
SSHS-B94-2-6 (6)	Endrin ketone	0.37	J,p	1.8	U	13
SSHS-B94-2-6 (6)	gamma-Chlordane	3.6	p	3.6	U	13

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B94-2-6 (6)	Heptachlor epoxide	2.2	p	2.2	U	13

µg/kg-microgram per kilogram
p-laboratory flag indicating the RPD between the two columns is greater than 40% RPD; the lower concentration was reported
J-estimated concentration less than the RL and greater than the MDL
NA-not applicable

Geosyntec
consultants

2240 Sutherland Avenue, Suite 107
Knoxville, TN 37919
PH 865.330.0037
FAX 865.330.9949
www.geosyntec.com

Memorandum

Date: 30 October 2014

To: Aron Krasnopler

From: Mary Tyler
Kristoffer Henderson

CC: J. Caprio

Subject: **Stage 2A Data Validation - Level II Data Deliverables – Volatile Organic Compounds by EPA Methods 5030C/8260C and 5035/8260C, Semivolatile Organic Compounds by EPA Methods 3520C/8270D and 3541/8270D, Organochlorine Pesticides by EPA Methods 3510C/8081B and 3541/8081B, Polychlorinated Biphenyls by EPA Methods 3510C/8082A and 3541/8082A, Gasoline Range Organics by EPA Methods 5030C/8015D, Diesel Range Organics by EPA Methods 3520C/8015D, Metals by EPA Methods 3005A/6010C and 3050B/6010C, Mercury by EPA Methods 7470A and 7471B, Cyanide by EPA Methods 9010C/9014 and Percent Moisture/Solids by Standard Method 2540G– TestAmerica Work Order Numbers 180-35776-1 and 180-35776-2**

SITE: Former Sperry Remington Site-North

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of sixty-one solid samples, eight solid field duplicate samples, four groundwater samples, four matrix spike/matrix spike duplicate (MS/MSD) pairs, two equipment blanks and one trip blank, collected on August 13, 2014, as part of the Former Sperry Remington Site-North sampling event. The analyses were performed at TestAmerica Laboratories, Inc., Pittsburgh, Pennsylvania. The samples were analyzed for the following tests:

- EPA Methods 5030C/8260C and 5035/8260C - Volatile Organic Compounds (VOCs) and Tentatively Identified Compounds (TICs)
- EPA Methods 3520C/8270D and 3541/8270D - Semivolatile Organic Compounds (SVOCs) and TICs
- EPA Methods 3510C/8081B and 3541/8081B – Organochlorine Pesticides
- EPA Methods 3510C/8082A and 3541/8082A - Polychlorinated Biphenyls (PCBs)

- EPA Methods 5030C/8015D - Gasoline Range Organics (GRO)
- EPA Methods 3520C/8015D - Diesel Range Organics (DRO)
- EPA Methods 3005A/6010C and 3050B/6010C – Metals
- EPA Methods7470A and 7471B – Mercury
- EPA Methods 9010C/9014 - Cyanide
- Standard Method 2540G - Percent Moisture/Solids

EXECUTIVE SUMMARY

The samples were handled, prepared and measured in the same manner under similar prescribed conditions.

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below, the data as qualified are usable for meeting project objectives, with the following exceptions.

Based on low 1,4-dichlorobenzene-d4 internal standard recovery, the undetected values of the compounds associated with this internal standard in sample SSHS-B82-0.17-2 (1.5) were R qualified as rejected.

The undetected value of benzaldehyde in sample SSHS-B97-2-6 (5) was R qualified as rejected based on MS/MSD recoveries less than 20% and professional and technical judgment.

The remaining qualified data should be used within the limitations of the qualification.

The organic data were reviewed based on the Quality Assurance Project Plan (QAPP)/Field Sampling Plan (FSP), Former Sperry Remington Site-North Portion, 777 South Main Street, City of Elmira, Chemung County, NY, NYSDEC Project 808022, Geosyntec Project Number MN0832, July 2014, Agency Review Draft, USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008 (USEPA-540-R-08-01), as well as by the pertinent methods referenced by the data package and professional and technical judgment.

The inorganic data were reviewed based on the QAPP/FSP, USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, OSWER 9240.1-51, EPA 540-R-10-011, January 2010, as well as by the pertinent methods referenced by the data package and professional and technical judgment.

The following samples were analyzed and validated at a Stage 2A level in the data set:

Laboratory ID	Client ID
180-35776-1	SSHS-B86-0.17-2 (1.5)
180-35776-2	SSHS-B86-2-6 (3.5)
180-35776-3	SSHS-B86-6-10 (8)
180-35776-3MS	SSHS-B86-6-10 (8)MS
180-35776-3MSD	SSHS-B86-6-10 (8)MSD
180-35776-4	SSHS-B86-10-15 (12.5)
180-35776-5	SSHS-B88-0.17-2 (1)
180-35776-6	SSHS-B88-2-6 (4)
180-35776-7	SSHS-B88-6-10 (8)
180-35776-8	SSHS-B88-10-15 (12.5)
180-35776-9	SSHS-B89-0.17-2 (1)
180-35776-10	SSHS-B89-2-6 (5)
180-35776-11	SSHS-B89-6-10 (7.5)
180-35776-12	SSHS-B89-10-15 (12.5)
180-35776-13	SSHS-B82-0.17-2 (1.5)
180-35776-14	SSHS-B82-2-6 (4)
180-35776-14MS	SSHS-B82-2-6 (4)MS
180-35776-14MSD	SSHS-B82-2-6 (4)MSD
180-35776-15	SSHS-B82-6-10 (8)
180-35776-16	SSHS-B82-10-15 (12.5)
180-35776-17	SSHS-B83-2-6 (5.5)
180-35776-18	SSHS-B83-6-10 (8)
180-35776-19	SSHS-B83-10-14.5 (12)
180-35776-20	SSHS-B85-0.17-2 (1)
180-35776-21	SSHS-B85-2-6 (3.5)
180-35776-22	SSHS-B85-6-10 (8)
180-35776-23	SSHS-B85-10-15 (12.5)
180-35776-24	SSHS-B73-0.17-2 (1)
180-35776-25	SSHS-B73-2-6 (4)
180-35776-25MS	SSHS-B73-2-6 (4)MS
180-35776-25MSD	SSHS-B73-2-6 (4)MSD
180-35776-26	SSHS-B73-6-10 (8)
180-35776-27	SSHS-B73-10-15 (12.5)
180-35776-28	SSHS-B74-SS
180-35776-29	SSHS-B74-0.17-2 (1.5)
180-35776-30	SSHS-B74-2-6 (5)
180-35776-31	SSHS-B74-6-10 (7.5)
180-35776-32	SSHS-B74-10-15 (12.5)
180-35776-33	SSHS-B90-0.17-2 (1)
180-35776-34	SSHS-B90-2-6 (4)
180-35776-35	SSHS-B90-6-10 (9)
180-35776-36	SSHS-B90-10-15 (13)
180-35776-37	SSHS-91-SS
180-35776-38	SSHS-91-0.17-2 (1.75)
180-35776-39	SSHS-91-2-6 (5)
180-35776-40	SSHS-91-6-10 (8)
180-35776-41	SSHS-91-10-15 (12.5)
180-35776-42	SSHS-B99-SS
180-35776-42MS	SSHS-B99-SSMS
180-35776-42MSD	SSHS-B99-SSMSD
180-35776-43	SSHS-B99-0.17-2 (1)
180-35776-44	SSHS-B99-2-6 (4)
180-35776-45	SSHS-B99-6-10 (8)
180-35776-46	SSHS-B99-10-14.5 (12)
180-35776-47	SSHS-B98-SS
180-35776-48	SSHS-B98-0.17-2 (1)
180-35776-49	SSHS-B98-6-10 (7.5)
180-35776-50	SSHS-B98-2-6 (3.5)
180-35776-51	SSHS-B98-10-12 (12)
180-35776-52	SSHS-B97-SS
180-35776-53	SSHS-B97-0.17-2 (1)
180-35776-54	SSHS-B97-2-6 (5)
180-35776-55	SSHS-B97-6-10 (8)
180-35776-56	SSHS-B97-10-16 (13)
180-35776-57	SSHS-B29-A-SS
180-35776-58	SSHS-B29-A-0.17-2 (1.5)
180-35776-59	SSHS-B29-A-2-6 (4.5)
180-35776-60	SSHS-B29-A-8-10 (8.5)
180-35776-61	SSHS-B29-A-10-12 (11.5)
180-35776-62	DUP-04
180-35776-63	DUP-05
180-35776-64	DUP-06
180-35776-65	DUP-07
180-35776-66	DUP-08
180-35776-67	DUP-09
180-35776-68	DUP-10
180-35776-69	SSHS-B97-GW-18-22
180-35776-70	SSHS-B98-GW-18-22
180-35776-71	SSHS-B29-A-GW-18-22
180-35776-72	SSHS-99-GW-17-21
180-35776-73	20140813-EQUIPMENT BLANK-GW
180-35776-74	20140813-EQUIPMENT BLANK-SO
180-35776-75	TRIP BLANK
180-35776-76	DUP-11

The samples were received at the laboratory at temperatures within the QAPP criteria of <6°C. No sample preservation issues were noted by the laboratory.

Incorrect error corrections were observed on the chain of custody (COC). The proper procedure of a single strike-through correction and initials and date of the person making the correction was not followed.

The following sample receipt issues were noted. These discrepancies did not have an impact on the sample analyses:

- Samples TRIP BLANK and DUP-11 were not listed on the chain of custody (COC). TRIP BLANK was reported for VOCs and DUP-11 was reported for all analyses. Notations were made by the laboratory on the COC to indicate the analyses.
- The second relinquished by signature and date/time by the courier to the laboratory were not documented on the COC.
- No times of collection were listed on the COC for the field duplicate samples. The laboratory assigned the collection times of 00:00.
- The laboratory noted in the report narrative that the time of sample collection for SSHS-B90-0.17-2 (1) on the container label was 11:34; the time of sample collection on the COC was 11:36. The time on the COC was the time used.

It was noted that the sample ID for the equipment blank, 20140813-EQUIPMENT BLANK-SOIL, was truncated to 20140813-EQUIPMENT BLANK-SO in the electronic data deliverable (EDD). In addition, the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC.

The solids data, used to report the samples on a dry weight basis, were not validated. In addition, TICs were reported with the VOC and SVOC data. As there is no validation guidance for TICs, the TIC data were not validated.

1.0 VOLATILE ORGANIC COMPOUNDS

Sixty-one solid samples, four groundwater samples, eight solid field duplicate samples, four MS/MSD pairs, two equipment blanks and one trip blank were analyzed for VOCs per EPA Methods 5030C/8260C and 5035/8260C.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Times
⊗ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
⊗ Trip Blank
✓ Source Blank
⊗ Equipment Blank
✓ Field Duplicate
⊗ Sensitivity
⊗ Electronic Data Deliverables Review

1.1 Overall Assessment

1.1.1 Completeness

The VOC data reported in this package are considered to be usable for meeting project objectives, with the following exceptions. The analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 99.9%. Based on low 1,4-dichlorobenzene-d4 internal standard recovery, the undetected values of the compounds associated with this internal standard in the reanalysis of sample SSHS-B82-0.17-2 (1.5) were R qualified as rejected.

1.1.2 Analysis Anomaly

Sample SSHS-B82-0.17-2 (1.5) was analyzed twice and reported as SSHS-B82-0.17-2 (1.5) and SSHS-B82-0.17-2 (1.5)RA (reanalysis) in the laboratory report and EDD. The internal standard areas for 1,4-dichlorobenzene-d4 were low and outside the method specified acceptance criteria in both analyses. Only SSHS-B82-0.17-2 (1.5)RA was considered for validation, based on acceptable surrogate recoveries. The results for the original analysis of sample SSHS-B82-0.17-2 (1.5) were set to not reportable in the EDD with qualifier file (a column was added to the EDD with qualifier file). Based on the low internal standard recovery in the reanalysis, the undetected values of the compounds associated with internal standard 1,4-dichlorobenzene-d4 in the reanalysis of sample SSHS-B82-0.17-2 (1.5) were R qualified as rejected.

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier[1]	Reason Code[2]
SSHS-B82-0.17-2 (1.5)RA	1,2,3-Trichlorobenzene	0.82	U,*	0.82	R	11
SSHS-B82-0.17-2 (1.5)RA	1,2,4-Trichlorobenzene	0.86	U,*	0.86	R	11
SSHS-B82-0.17-2 (1.5)RA	1,2-Dibromo-3-Chloropropane	0.73	U,*	0.73	R	11
SSHS-B82-0.17-2 (1.5)RA	1,2-Dichlorobenzene	0.78	U,*	0.78	R	11
SSHS-B82-0.17-2 (1.5)RA	1,3-Dichlorobenzene	0.64	U,*	0.64	R	11
SSHS-B82-0.17-2 (1.5)RA	1,4-Dichlorobenzene	0.62	U,*	0.62	R	11

µg/kg-microgram per kilogram
U-not detected at or above the method detection limit (MDL)
*-Internal standard response or retention time outside the acceptable limits
[1]-Validation qualifiers are defined in Attachment 1 at the end of this report
[2]-Reason codes are defined in Attachment 2 at the end of this report

1.2 Holding Times

The holding times for a solid sample are 48 hours from collection to extraction and 14 days from collection to analysis. The holding time for a preserved water sample is 14 days from collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Eight method blanks were reported with the data (batches 114801, 114925, 114966, 115034, 115232, 115242, 115838 and 115910). VOCs were not detected in the method blanks above the MDLs, with the following exception.

Methylene chloride was detected at an estimated concentration greater than the MDL and less than the reporting limit (RL) in the method blank in batch 115232. Therefore, the estimated concentration of methylene chloride in the associated sample was U qualified as not detected at the RL.

Sample ID	Compound	Laboratory Concentration (µg/L)	Laboratory Flag	Validation Concentration (µg/L)	Validation Qualifier	Reason Code
SSHS-B29-A-GW-18-22	Methylene Chloride	16	J,B	25	U	3

µg/L-microgram per liter
J-estimated concentration less than the RL and greater than the MDL
B-compounds was detected in both the method blank and sample

1.4 Matrix Spike/Matrix Spike Duplicate

Four sample set specific MS/MSD pairs, using samples SSHS-B86-6-10 (8), SSHS-B82-2-6 (4), SSHS-B73-2-6 (4) and SSHS-B99-SS were reported. The MS/MSD pairs had recovery and relative percent difference (RPD) results within the QAPP and laboratory (for 1,4-dioxane and 1,2,3-trichlorobenzene only) specified acceptance criteria, with the following exceptions.

The RPD for trichlorofluoromethane was high and outside the QAPP specified acceptance criteria in the MS/MSD pair using sample SSHS-B86-6-10 (8). Since trichlorofluoromethane was not detected in sample SSHS-B86-6-10 (8), no qualifications were applied to the data.

The recovery of 1,1,2-trichloro-1,2,2-trifluoroethane was high and outside the QAPP specified acceptance criteria in the MSD using sample SSHS-B82-2-6 (4). Since 1,1,2-trichloro-1,2,2-trifluoroethane was not detected in sample SSHS-B82-2-6 (4), no qualifications were applied to the data.

One or both the recoveries of carbon tetrachloride, chloroethane, chloroform, trans-1,2-dichloroethene, 1,1,1-trichloroethane and 1,1,2-trichloro-1,2,2-trifluoroethane were high and outside the QAPP specified acceptance criteria in the MS/MSD pair using sample SSHS-B99-SS. Since these compounds were not detected in sample SSHS-B99-SS, no qualifications were applied to the data.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six LCSs and two LCS/LCS duplicate (LCSD) pairs were reported. The results for the LCSs and LCS/LCSD pairs were within the QAPP and laboratory (for 1,4-dioxane and 1,2,3-trichlorobenzene only) specified acceptance criteria for recovery and RPD, with the following exception.

The recovery of 1,3-dichlorobenzene was high and outside the QAPP specified acceptance criteria in the LCSD in batch 115232. Since 1,3-dichlorobenzene was not detected in the associated sample, no qualifications were applied to the data.

The recoveries of carbon tetrachloride, chloroethane and 1,1,2-trichloro-1,2,2-trifluoroethane were high and outside the QAPP specified acceptance criteria in the LCS in batch 114996. Since carbon tetrachloride, chloroethane and 1,1,2-trichloro-1,2,2-trifluoroethane were not detected in the associated samples, no qualifications were applied to the data.

1.6 Surrogates

Acceptable surrogate recoveries were reported for the sample analyses, with the following exceptions.

The recovery of 4-bromofluorobenzene was high and the recovery of toluene-d8 was low in the original analysis of sample SSHS-B82-0.17-2 (1.5), both outside the QAPP specified acceptance criteria. The sample was reanalyzed and the surrogate recoveries in the reanalysis were acceptable. Therefore, only the reanalysis of sample SSHS-B82-0.17-2 (1.5) was considered for validation and no qualifications were applied to the data based on the surrogate recoveries.

1.7 Trip Blank

One trip blank, TRIP BLANK, was submitted with the samples. VOCs were not detected in the trip blank above the MDLs, with the following exceptions.

Acetone was detected above the RL, 26 µg/L and methylene chloride was detected at an estimated concentration greater than the MDL and less than the RL. Therefore, the estimated concentrations of acetone and methylene chloride in the associated water samples were U qualified as not detected at the RLs and concentrations of acetone that were less than two times the trip blank concentration were J qualified as estimated in the associated water samples, based on professional and technical judgment.

Sample ID	Compound	Laboratory Concentration (µg/L)	Laboratory Flag	Validation Concentration (µg/L)	Validation Qualifier	Reason Code
20140813-EQUIPMENT BLANK-GW	Acetone	29	NA	29	J	3
20140813-EQUIPMENT BLANK-GW	Methylene Chloride	0.15	J	1.0	U	3
SSHS-99-GW-17-21	Acetone	33	NA	33	J	3
SSHS-B29-A-GW-18-22	Methylene	16	J,B	25	U	3

Sample ID	Compound	Laboratory Concentration (µg/L)	Laboratory Flag	Validation Concentration (µg/L)	Validation Qualifier	Reason Code
	Chloride					
SSHS-B97-GW-18-22	Acetone	32	NA	32	J	3
SSHS-B98-GW-18-22	Acetone	40	NA	40	J	3

µg/L-microgram per liter
J-estimated concentration greater than the MDL and less than the RL
B-compound was detected in both the method blank and sample
NA-not applicable

1.8 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. VOCs were not detected in the source blank above the MDLs.

1.9 Equipment Blank

Two equipment blanks, 20140813-EQUIPMENT BLANK-GW and 20140813-EQUIPMENT BLANK-SOIL, were collected with the sample set. VOCs were not detected in the equipment blanks above the MDLs, with the following exceptions.

Carbon disulfide and methylene chloride were detected in 20140813-EQUIPMENT BLANK-GW at estimated concentrations greater than the MDLs and less than the RLs and acetone was detected above the RL, 29 µg/L. Since the methylene chloride concentration in the equipment blank was U qualified as not detected at the RL due to the trip blank contamination, no additional qualifications were applied to the methylene chloride data. The acetone concentrations less than two times the trip blank contamination level in the equipment blank and associated samples were J qualified as estimated; therefore, no additional qualifications were applied to the acetone data. However, the estimated concentration of carbon disulfide in the associated sample was U qualified as not detected at the RL.

Sample ID	Compound	Laboratory Concentration (µg/L)	Laboratory Flag	Validation Concentration (µg/L)	Validation Qualifier	Reason Code
SSHS-B97-GW-18-22	Carbon disulfide	0.21	J	1.0	U	3

µg/L-microgram per liter
J-estimated concentration less than the RL and greater than the MDL

1.10 Field Duplicate

Eight field duplicate samples, DUP-04, DUP-05, DUP-06, DUP-07, DUP-08, DUP-09, DUP-10 and DUP-11, were collected with the sample set. Acceptable precision (RPD ≤50% for solid samples, if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B98-6-10 (7.5), SSHS-B99-10-14.5 (12), SSHS-B29-A-2-6 (4.5), SSHS-B73-6-10 (8), SSHS-B90-2-6 (4), SSHS-B89-2-6 (5), SSHS-B85-10-15 (12.5) and SSHS-B83-2-6 (5.5), respectively.

Sample ID	Compound	Laboratory Result (µg/kg)	Laboratory Flag	RPD
SSHS-B98-6-10 (7.5)	The VOCs	ND	NA	0
DUP-04	The VOCs	ND	NA	
SSHS-B99-10-14.5 (12)	Trichloroethene	0.56	U	NC
DUP-05	Trichloroethene	0.87	J	
SSHS-B99-10-14.5 (12)	The other VOCs	ND	NA	0
DUP-05	The other VOCs	ND	NA	
SSHS-B29-A-2-6 (4.5)	Toluene	0.62	U	NC
DUP-06	Toluene	0.61	J	
SSHS-B29-A-2-6 (4.5)	The other VOCs	ND	NA	0
DUP-06	The other VOCs	ND	NA	
SSHS-B73-6-10 (8)	The VOCs	ND	NA	0
DUP-07	The VOCs	ND	NA	
SSHS-B90-2-6 (4)	Trichloroethene	1.5	J	NC
DUP-08	Trichloroethene	3.7	J	
SSHS-B90-2-6 (4)	The other VOCs	ND	NA	0
DUP-08	The other VOCs	ND	NA	
SSHS-B89-2-6 (5)	The VOCs	ND	NA	0
DUP-09	The VOCs	ND	NA	
SSHS-B85-10-15 (12.5)	Cyclohexane	0.70	J	NC
DUP-10	Cyclohexane	0.33	U	
SSHS-B85-10-15 (12.5)	Toluene	0.79	J	NC
DUP-10	Toluene	0.65	U	
SSHS-B85-10-15 (12.5)	The other VOCs	ND	NA	0
DUP-10	The other VOCs	ND	NA	
SSHS-B83-2-6 (5.5)	Acetone	6.4	J	NC
DUP-11	Acetone	4.1	U	

Sample ID	Compound	Laboratory Result (µg/kg)	Laboratory Flag	RPD
SSHS-B83-2-6 (5.5)	The other VOCs	ND	NA	0
DUP-11	The other VOCs	ND	NA	

µg/kg-microgram per kilogram
J-estimated concentration less than the RL and greater than the MDL
U-not detected at the reported MDL
NC-not applicable
NA-not applicable
ND-not detected

1.11 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were reported for sample SSHS-B29-A-GW-18-22 due to the sample dilution.

The MDLs and RLs were the same as those listed in Tables C.1 and C.2 in the QAPP. It was noted that total 1,2-dichloroethene and total xylenes were not reported by the laboratory, but cis- and trans- 1,2-dichloroethene and o- and m&p- xylenes were reported. The summation of the MDLs and RLs for cis- and trans-1,2-dichloroethene and o- and m-&p-xylene were within the QAPP criteria for total 1,2-dichloroethene and total xylenes, respectively. In addition, 1,4-dioxane and 1,2,3-trichlorobenzene were reported by the laboratory, but not listed in Tables C.1 and C.2 in the QAPP.

The water sample MDLs for 1,2-dibromo-3-chloropropane and 1,2-dibromoethane were greater than the screening criteria listed in Table C.2 of the QAPP.

Compound	Laboratory MDL (µg/L)	QAPP Screening Criteria (µg/L)
1,2-Dibromoethane	0.18	0.00060
1,2-Dibromo-3-Chloropropane	0.14	0.040

µg/L-microgram per liter

1.12 Electronic Data Deliverables Review

Results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140813-EQUIPMENT BLANK-SOIL, was truncated to 20140813-EQUIPMENT BLANK-SO in the EDD and the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II reports and the EDDs.

2.0 SEMIVOLATILE ORGANIC COMPOUNDS

Sixty-one solid samples, two groundwater samples, eight solid field duplicate samples, five MS/MSD pairs and one equipment blank were analyzed for SVOCs per EPA Methods 3520C/8270D and 3541/8270D.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Times
✓ Method Blank
⊗ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
⊗ Source Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity
⊗ Electronic Data Deliverables Review

2.1 Overall Assessment

2.1.1 Completeness

The SVOC data reported in this package are considered to be usable for meeting project objectives, with the following exception. The undetected value of benzaldehyde in sample SSHS-B97-2-6 (5) was R qualified as rejected based on MS/MSD recoveries less than 20% and technical and professional judgment. The analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 99.98%.

2.1.2 Analysis Anomaly

Sample SSHS-B90-2-6 (4) was analyzed undiluted and at a 1:20 dilution. The concentration of butyl benzyl phthalate was E flagged by the laboratory in the undiluted analysis, indicating the result exceeded the calibration range. Therefore, the result of butyl benzyl phthalate was the only result considered for validation in the 1:20 dilution. The remaining compounds were validated from the undiluted analysis. The results that were not considered for validation were set to "not reportable" in the EDD with qualifier file (a column was added to the EDD with qualifier file).

The responses of internal standard perylene-d12 in samples SSHS-B29-A-GW-18-22 and SSHS-99-GW-17-21 were above the method specified acceptance criteria. Therefore, the concentrations of the compounds associated with perylene-d12 were J qualified as estimated in samples SSHS-B29-A-GW-18-22 and SSHS-99-GW-17-21.

Sample ID	**Compound**	**Laboratory Concentration (µg/L)**	**Laboratory Flag**	**Validation Concentration (µg/L)**	**Validation Qualifier**	**Reason Code**
SSHS-99-GW-17-21	Benzo[a]pyrene	0.87	*	0.87	J	11
SSHS-99-GW-17-21	Benzo[g,h,i]perylene	0.45	*	0.45	J	11
SSHS-99-GW-17-21	Dibenz(a,h)anthracene	0.32	*	0.32	J	11
SSHS-99-GW-17-21	Indeno[1,2,3-cd]pyrene	0.28	*	0.28	J	11

µg/L-microgram per liter
U-not detected at or above the method detection limit (MDL)
*-Internal standard response or retention time outside acceptable limits

2.2 Holding Times

The holding times for the SVOC analysis of a solid sample are 14 days from sample collection to extraction and 40 days from extraction to analysis. The holding times for the SVOC analysis of a water sample are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six method blanks were reported with the data (batches 114822, 115091, 115664, 115780, 115881 and 115980). SVOCs were not detected in the method blanks above the MDLs.

2.4 Matrix Spike/Matrix Spike Duplicate

Five sample set specific MS/MSD pairs, using samples SSHS-B86-6-10 (8), SSHS-B82-2-6 (4), SSHS-B73-2-6 (4), SSHS-B97-2-6 (5) and SSHS-B99-SS were reported. The MS/MSD pairs had recovery and RPD results within the QAPP and laboratory (for 1,4-dioxane, 1,2,4,5-tetrachlorobenzene and 2,3,4,6-tetrachlorophenol only) specified acceptance criteria, with the following exceptions.

The recoveries of benzaldehyde were low and outside the QAPP specified acceptance criteria in the MS/MSD pairs using samples SSHS-B86-6-10 (8), SSHS-B73-2-6 (4), SSHS-B99-SS and SSHS-B97-2-6 (5); the recoveries of benzaldehyde in the MS/MSD pair using sample SSHS-B97-2-6 (5) were less than 20% (16% and 17%). Therefore, the undetected values of benzaldehyde in samples SSHS-B86-6-10 (8), SSHS-B73-2-6 (4) and SSHS-B99-SS were UJ qualified as estimated less than the MDL and the undetected value in sample SSHS-B97-2-6 (5) was R qualified as rejected, based on professional and technical judgment and recoveries less than 20%.

The MS/MSD recoveries of benzaldehyde were low and the MS recoveries of 2-nitroaniline and di-n-octyl phthalate were high, outside the QAPP specified acceptance criteria in the MS/MSD pair using sample SSHS-B82-2-6 (4). Since 2-nitroaniline and di-n-octyl phthalate were not detected in sample SSHS-B82-2-6 (4), no qualifications were applied to the data. However, the undetected value of benzaldehyde in sample SSHS-B82-2-6 (4) was UJ qualified as estimated less than the MDL.

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B73-2-6 (4)	Benzaldehyde	57	U	57	UJ	4
SSHS-B82-2-6 (4)	Benzaldehyde	55	U	55	UJ	4
SSHS-B86-6-10 (8)	Benzaldehyde	56	U	56	UJ	4
SSHS-B97-2-6 (5)	Benzaldehyde	55	U	55	R	4
SSHS-B99-SS	Benzaldehyde	65	U	65	UJ	4

µg/kg-microgram per kilogram
U-not detected at the reported MDL

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Five LCSs and one LCS/LCSD pair were reported. The results for the LCSs and LCS/LCSD pair were within the QAPP and laboratory (for 1,4-dioxane, 1,2,4,5-tetrachlorobenzene and 2,3,4,6-tetrachlorophenol only) specified acceptance criteria for recovery and RPD.

2.6 Surrogate

Acceptable surrogate recoveries were reported for the sample analyses.

2.7 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. SVOCs were not detected in the source blank above the MDLs, with the following exceptions.

Bis(2-ethylhexyl) phthalate (soil equivalent concentration 23 µg/kg) and butyl benzyl phthalate (soil equivalent concentration 5.5 µg/kg) were detected at estimated concentrations in the source blank greater than the MDL and less than the RL. Since the soil equivalent concentrations for these compounds were less than the MDLs for the associated samples, no qualifications were applied to the soil samples. Since butyl benzyl phthalate was not detected in the associated water samples, no qualifications were applied to the butyl benzyl phthalate data. However, the estimated concentration of bis(2-ethylhexyl) phthalate in the equipment blank was U qualified as not detected at the RL.

Sample ID	**Compound**	**Laboratory Concentration (µg/L)**	**Laboratory Flag**	**Validation Concentration (µg/L)**	**Validation Qualifier**	**Reason Code**
20140813-EQUIPMENT BLANK-SOIL	Bis(2-ethylhexyl) phthalate	0.81	J	1.9	U	3

µg/L-microgram per liter
J-estimated concentration less than the RL and greater than the MDL

2.8 Equipment Blank

Two equipment blanks were collected, however only 20140813-EQUIPMENT BLANK-SOIL was analyzed for SVOCs. SVOCs were not detected in the equipment blank above the MDLs, with the following exception.

Bis(2-ethylhexyl) phthalate was detected at an estimated concentration in the equipment blank. Since the concentration of bis(2-ethylhexyl) phthalate in the equipment blank was U qualified as not detected at the RL based on the source blank contamination, no qualifications were applied to the data.

2.9 Field Duplicate

Eight field duplicate samples, DUP-04, DUP-05, DUP-06, DUP-07, DUP-08, DUP-09, DUP-10 and DUP-11, were collected with the sample set. Acceptable precision (RPD ≤50% for solid samples, if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B98-6-10 (7.5), SSHS-B99-10-14.5 (12), SSHS-B29-A-2-6 (4.5), SSHS-B73-6-10 (8), SSHS-B90-2-6 (4), SSHS-B89-2-6 (5), SSHS-B85-10-15 (12.5) and SSHS-B83-2-6 (5.5), respectively.

Compounds/field duplicate pairs with RPDs greater than 50% had one or both sample results less than five times the RLs; therefore, no qualifications were applied to the data for these compounds.

Sample ID	Compound	Laboratory Result (µg/kg)	Laboratory Flag	RPD
SSHS-B98-6-10 (7.5)	Anthracene	12	J	NC
DUP-04	Anthracene	17	J	
SSHS-B98-6-10 (7.5)	Benzo[a]anthracene	59	J	NC
DUP-04	Benzo[a]anthracene	120	NA	
SSHS-B98-6-10 (7.5)	Benzo[a]pyrene	57	J	NC
DUP-04	Benzo[a]pyrene	100	NA	
SSHS-B98-6-10 (7.5)	Benzo[b]fluoranthene	68	J	NC
DUP-04	Benzo[b]fluoranthene	130	NA	
SSHS-B98-6-10 (7.5)	Benzo[g,h,i]perylene	50	J	NC
DUP-04	Benzo[g,h,i]perylene	73	J	
SSHS-B98-6-10 (7.5)	Benzo[k]fluoranthene	23	J	NC
DUP-04	Benzo[k]fluoranthene	48	J	
SSHS-B98-6-10 (7.5)	Carbazole	7.0	U	NC
DUP-04	Carbazole	12	J	
SSHS-B98-6-10 (7.5)	Chrysene	53	J	NC
DUP-04	Chrysene	110	NA	
SSHS-B98-6-10 (7.5)	Fluoranthene	110	NA	58
DUP-04	Fluoranthene	200	NA	
SSHS-B98-6-10 (7.5)	Indeno[1,2,3-cd]pyrene	40	J	NC
DUP-04	Indeno[1,2,3-cd]pyrene	64	J	
SSHS-B98-6-10 (7.5)	Phenanthrene	37	J	NC
DUP-04	Phenanthrene	56	J	
SSHS-B98-6-10 (7.5)	Pyrene	88	NA	78
DUP-04	Pyrene	200	NA	
SSHS-B98-6-10 (7.5)	The other SVOCs	ND	NA	0
DUP-04	The other SVOCs	ND	NA	

Sample ID	Compound	Laboratory Result (µg/kg)	Laboratory Flag	RPD
SSHS-B99-10-14.5 (12)	The SVOCs	ND	NA	0
DUP-05	The SVOCs	ND	NA	
SSHS-B29-A-2-6 (4.5)	Anthracene	7.0	U	NC
DUP-06	Anthracene	13	J	
SSHS-B29-A-2-6 (4.5)	Benzo[a]anthracene	17	J	NC
DUP-06	Benzo[a]anthracene	29	J	
SSHS-B29-A-2-6 (4.5)	Benzo[a]pyrene	7.1	U	NC
DUP-06	Benzo[a]pyrene	21	J	
SSHS-B29-A-2-6 (4.5)	Benzo[b]fluoranthene	11	U	NC
DUP-06	Benzo[b]fluoranthene	25	J	
SSHS-B29-A-2-6 (4.5)	Benzo[g,h,i]perylene	7.1	U	NC
DUP-06	Benzo[g,h,i]perylene	15	J	
SSHS-B29-A-2-6 (4.5)	Benzo[k]fluoranthene	14	U	NC
DUP-06	Benzo[k]fluoranthene	15	J	
SSHS-B29-A-2-6 (4.5)	Chrysene	18	J	NC
DUP-06	Chrysene	27	J	
SSHS-B29-A-2-6 (4.5)	Fluoranthene	32	J	NC
DUP-06	Fluoranthene	50	J	
SSHS-B29-A-2-6 (4.5)	Indeno[1,2,3-cd]pyrene	7.4	U	NC
DUP-06	Indeno[1,2,3-cd]pyrene	12	J	
SSHS-B29-A-2-6 (4.5)	Phenanthrene	26	J	NC
DUP-06	Phenanthrene	48	J	
SSHS-B29-A-2-6 (4.5)	Pyrene	32	J	NC
DUP-06	Pyrene	49	J	
SSHS-B29-A-2-6 (4.5)	The other SVOCs	ND	NA	0
DUP-06	The other SVOCs	ND	NA	
SSHS-B73-6-10 (8)	2-Methylnaphthalene	100	NA	0
DUP-07	2-Methylnaphthalene	100	NA	
SSHS-B73-6-10 (8)	Acenaphthene	360	NA	5
DUP-07	Acenaphthene	380	NA	
SSHS-B73-6-10 (8)	Acenaphthylene	9.5	J	NC
DUP-07	Acenaphthylene	12	J	
SSHS-B73-6-10 (8)	Anthracene	540	NA	11
DUP-07	Anthracene	600	NA	
SSHS-B73-6-10 (8)	Benzo[a]anthracene	930	NA	2
DUP-07	Benzo[a]anthracene	950	NA	
SSHS-B73-6-10 (8)	Benzo[a]pyrene	790	NA	6
DUP-07	Benzo[a]pyrene	840	NA	
SSHS-B73-6-10 (8)	Benzo[b]fluoranthene	860	NA	15
DUP-07	Benzo[b]fluoranthene	1000	NA	

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**RPD**
SSHS-B73-6-10 (8)	Benzo[g,h,i]perylene	590	NA	8
DUP-07	Benzo[g,h,i]perylene	640	NA	
SSHS-B73-6-10 (8)	Benzo[k]fluoranthene	340	NA	0
DUP-07	Benzo[k]fluoranthene	340	NA	
SSHS-B73-6-10 (8)	Carbazole	190	NA	23
DUP-07	Carbazole	240	NA	
SSHS-B73-6-10 (8)	Chrysene	890	NA	4
DUP-07	Chrysene	930	NA	
SSHS-B73-6-10 (8)	Dibenz(a,h)anthracene	170	NA	19
DUP-07	Dibenz(a,h)anthracene	140	NA	
SSHS-B73-6-10 (8)	Dibenzofuran	200	J	NC
DUP-07	Dibenzofuran	210	J	
SSHS-B73-6-10 (8)	Fluoranthene	1700	NA	26
DUP-07	Fluoranthene	2200	NA	
SSHS-B73-6-10 (8)	Fluorene	300	NA	10
DUP-07	Fluorene	330	NA	
SSHS-B73-6-10 (8)	Indeno[1,2,3-cd]pyrene	490	NA	8
DUP-07	Indeno[1,2,3-cd]pyrene	530	NA	
SSHS-B73-6-10 (8)	Naphthalene	200	NA	0
DUP-07	Naphthalene	200	NA	
SSHS-B73-6-10 (8)	Phenanthrene	2300	NA	0
DUP-07	Phenanthrene	2300	NA	
SSHS-B73-6-10 (8)	Pyrene	2400	NA	13
DUP-07	Pyrene	2100	NA	
SSHS-B73-6-10 (8)	The other SVOCs	ND	NA	0
DUP-07	The other SVOCs	ND	NA	
SSHS-B90-2-6 (4)	2-Methylnaphthalene	58	J	NC
DUP-08	2-Methylnaphthalene	32	J	
SSHS-B90-2-6 (4)	Acenaphthylene	29	J	NC
DUP-08	Acenaphthylene	27	J	
SSHS-B90-2-6 (4)	Anthracene	42	J	NC
DUP-08	Anthracene	36	J	
SSHS-B90-2-6 (4)	Benzo[a]anthracene	180	NA	18
DUP-08	Benzo[a]anthracene	150	NA	
SSHS-B90-2-6 (4)	Benzo[a]pyrene	140	NA	7
DUP-08	Benzo[a]pyrene	150	NA	
SSHS-B90-2-6 (4)	Benzo[b]fluoranthene	190	NA	10
DUP-08	Benzo[b]fluoranthene	210	NA	
SSHS-B90-2-6 (4)	Benzo[g,h,i]perylene	170	NA	13
DUP-08	Benzo[g,h,i]perylene	150	NA	

Sample ID	Compound	Laboratory Result (µg/kg)	Laboratory Flag	RPD
SSHS-B90-2-6 (4)	Benzo[k]fluoranthene	86	NA	NC
DUP-08	Benzo[k]fluoranthene	64	J	
SSHS-B90-2-6 (4)	Bis(2-ethylhexyl) phthalate	1400	NA	NC
DUP-08	Bis(2-ethylhexyl) phthalate	65	U	
SSHS-B90-2-6 (4)	Butyl benzyl phthalate	50000	NA	NC
DUP-08	Butyl benzyl phthalate	55	U	
SSHS-B90-2-6 (4)	Chrysene	170	NA	6
DUP-08	Chrysene	160	NA	
SSHS-B90-2-6 (4)	Dibenz(a,h)anthracene	8.9	U	NC
DUP-08	Dibenz(a,h)anthracene	40	J	
SSHS-B90-2-6 (4)	Di-n-butyl phthalate	780	NA	NC
DUP-08	Di-n-butyl phthalate	50	U	
SSHS-B90-2-6 (4)	Fluoranthene	220	NA	4
DUP-08	Fluoranthene	230	NA	
SSHS-B90-2-6 (4)	Indeno[1,2,3-cd]pyrene	140	NA	7
DUP-08	Indeno[1,2,3-cd]pyrene	130	NA	
SSHS-B90-2-6 (4)	Naphthalene	160	NA	NC
DUP-08	Naphthalene	72	J	
SSHS-B90-2-6 (4)	Phenanthrene	150	NA	22
DUP-08	Phenanthrene	120	NA	
SSHS-B90-2-6 (4)	Pyrene	320	NA	33
DUP-08	Pyrene	230	NA	
SSHS-B90-2-6 (4)	The other SVOCs	ND	NA	0
DUP-08	The other SVOCs	ND	NA	
SSHS-B89-2-6 (5)	The SVOCs	ND	NA	0
DUP-09	The SVOCs	ND	NA	
SSHS-B85-10-15 (12.5)	The SVOCs	ND	NA	0
DUP-10	The SVOCs	ND	NA	
SSHS-B83-2-6 (5.5)	Fluoranthene	20	J	NC
DUP-11	Fluoranthene	8.3	U	
SSHS-B83-2-6 (5.5)	Phenanthrene	15	J	NC
DUP-11	Phenanthrene	12	U	
SSHS-B83-2-6 (5.5)	Pyrene	16	J	NC
DUP-11	Pyrene	7.9	U	
SSHS-B83-2-6 (5.5)	The other SVOCs	ND	NA	0
DUP-11	The other SVOCs	ND	NA	

µg/kg-microgram per kilogram
J-estimated concentration less than the RL and greater than the MDL
U-not detected at the reported MDL
NC-not applicable
NA-not applicable

ND-not detected

2.10 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were reported for samples SSHS-91-SS, SSHS-B73-10-15 (12.5) and SSHS-B90-0.17-2 (1) due to dilutions analyzed.

The MDLs and RLs reported were the same as those listed in Tables C.1 and C.2 in the QAPP. In addition, 1,4-dioxane, 1,2,4,5-tetrachlorobenzene and 2,3,4,6-tetrachlorophenol were reported by the laboratory, but not listed in Tables C.1 and C.2 in the QAPP.

2.11 Electronic Data Deliverables Review

Results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140813-EQUIPMENT BLANK-SOIL, was truncated to 20140813-EQUIPMENT BLANK-SO in the EDD and the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II reports and the EDDs.

3.0 ORGANOCHLORINE PESTICIDES

Sixty-one solid samples, eight solid field duplicate samples, five MS/MSD pairs and one equipment blank were analyzed for organochlorine pesticides per EPA Methods 3510C/8081B and 3541/8081B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Time
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
⊗ Source Blank
⊗ Equipment Blank
⊗ Field Duplicate

- ⊗ Sensitivity
- ⊗ Electronic Data Deliverables Review

3.1 Overall Assessment

3.1.1 Completeness

The organochlorine pesticide data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

3.1.2 Analysis Anomalies

The samples were analyzed on two different gas chromatography (GC) columns, per the method protocol. Both PCBs and organochlorine pesticides were reported in some of the samples. Review of the raw data indicated that PCBs 1248 and 1260 were present in these samples; based on professional and technical judgment, the detections of the multi-peak PCBs resulted in false positives for some of the single peak organochlorine pesticides. Therefore, based on professional and technical judgment, for organochlorine pesticides with RPD results between the two columns greater than 25%, the estimated concentrations of the organochlorine pesticides were U qualified as not detected at the RL and concentrations greater than the RL were U qualified as not detected at the reported concentrations. The qualifications are summarized in Attachment 3.

In addition, both estimated pesticide concentrations and concentrations above the RL were flagged by the laboratory with p, indicating the RPD between the two columns was greater than 40% RPD and the lower concentration was reported; PCBs were not detected in these samples. Therefore, based on professional and technical judgment, the p-flagged estimated concentrations were J qualified as estimated. These qualifications are also summarized in Attachment 3.

3.2 Holding Times

The holding times for the pesticide analysis of solids are 14 days from sample collection to extraction and 40 days from extraction to analysis. The holding times for pesticide analysis of waters are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

3.3

3.4 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Seven method blanks were reported with the data (batches 115772, 115781, 115782, 115773, 115889, 116007 and 115137). The organochlorine pesticides were not detected in the method blanks above the MDLs.

3.5 Matrix Spike/Matrix Spike Duplicate

Five sample set specific MS/MSD pairs, using samples SSHS-B86-6-10 (8), SSHS-B82-2-6 (4), SSHS-B73-2-6 (4), SSHS-B99-SS and SSHS-B97-6-10 (8), were reported. The MS/MSD pairs had recovery and RPD results within the QAPP specified acceptance criteria.

3.6 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six LCSs and one LCS/LCSD pair were analyzed. The results for the LCSs and LCS/LCSD pair were within the QAPP specified acceptance criteria for recovery and RPD.

3.7 Surrogate

The surrogate recoveries were within the laboratory specified acceptance criteria, with the following exceptions.

The tetrachloro-m-xylene (TCX) surrogate recoveries were low and outside the laboratory specified acceptance criteria in samples 20140813-EQUIPMENT BLANK-SOIL and DUP-8. Since the other surrogate, decachlorobiphenyl (DCB), had acceptable recoveries in these two samples, no qualifications were applied to the sample data, based on professional and technical judgment.

3.8 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. Organochlorine pesticides were not detected in the source blank above the MDLs, with the following exceptions.

Aldrin and beta-BHC were detected in the source blank at concentrations greater than the RLs, 0.0023 µg/L and 0.0021 µg/L, respectively; the equivalent soil concentrations are 0.15 µg/kg and 0.14 µg/kg, respectively. No qualifications were applied to the soil samples since the equivalent soil concentrations for both aldrin and beta-BHC were less than the soil MDLs. However, due to the source blank contamination, the concentration of aldrin in the equipment blank was U qualified as not detected at the reported concentration.

It was noted that the concentrations of aldrin and beta-BHC in the source blank were J qualified as estimated at the reported concentrations, due to the RPDs between the two GC columns greater than 25%.

Sample ID	Compound	Laboratory Concentration (µg/L)	Laboratory Flag	Validation Concentration (µg/L)	Validation Qualifier	Reason Code
20140813-EQUIPMENT BLANK-SO	Aldrin	0.0040	p	0.0040	U	3

µg/L-microgram per liter
p-laboratory flag indicating the RPD between the two columns is greater than 40% RPD; the lower concentration was reported

3.9 Equipment Blank

One equipment blank, 20140813-EQUIPMENT BLANK-SOIL, was collected with the samples and analyzed for organochlorine pesticides. Organochlorine pesticides were not detected in the equipment blank above the MDLs, with the following exceptions.

4,4'-DDD was detected in the equipment blank at an estimated concentration greater than the MDL and less than the RL, 0.00069 µg/L (equivalent soil concentration 0.046 µg/kg). No qualifications were applied to the soil samples since the equivalent soil concentrations for 4,4'-DDD was less than the soil MDL.

In addition, 4,4'-DDE, aldrin, endosulfan sulfate, gamma-chlordane and methoxychlor were detected in the equipment blank at concentrations greater than the RLs, 0.014 µg/L, 0.004 µg/L, 0.0015 µg/L, 0.0021 µg/L and 0.0030 µg/L, respectively (equivalent soil concentrations 0.93 µg/kg, 0.26 µg/kg, 0.10 µg/kg, 0.14 µg/kg and 0.20 µg/kg, respectively). Since the concentration of aldrin in the equipment blank was U qualified as not detected at the reported concentration due to the source blank contamination, no additional qualifications were applied to the aldrin soil data. No qualifications were applied to the soil samples for endosulfan sulfate, gamma-chlordane and methoxychlor since the equivalent soil concentrations were less than the soil MDLs. The concentration of 4,4’-DDE in sample SSHS-B97-2-6 (5) was 16 µg/kg; due to the difference between the sample concentration and the equipment blank concentration, no qualifications were applied to the data, based on professional and technical judgment. The estimated concentration of 4,4’-DDE in sample SSHS-B73-2-6 (4) was U qualified as not detected at the RL due to the equipment blank contamination. 4,4’-DDE was either not detected in the other soil samples or U qualified due to the RPD results between the two columns noted above.

It was noted that concentrations of the organochlorine pesticides detected in the equipment blank were J qualified as estimated at the reported concentrations, due to the RPDs between the two GC columns greater than 25%.

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B73-2-6 (4)	4,4'-DDE	0.80	J	1.9	U	3

µg/kg-microgram per kilogram
J-estimated concentration less than the RL and greater than the MDL

3.10 Field Duplicate

Eight field duplicate samples, DUP-04, DUP-05, DUP-06, DUP-07, DUP-08, DUP-09, DUP-10 and DUP-11, were collected with the sample set. Acceptable precision (RPD ≤50% for solid samples, if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B98-6-10 (7.5), SSHS-B99-10-14.5 (12), SSHS-B29-A-2-6 (4.5), SSHS-B73-6-10 (8), SSHS-B90-2-6 (4), SSHS-B89-2-6 (5), SSHS-B85-10-15 (12.5) and SSHS-B83-2-6 (5.5), respectively, with the following exceptions.

The RPDs for 4,4'-DDT and gamma-chlordane for field duplicate pair SSHS-B29-A-2-6 (4.5)/DUP-06 were >50% and the concentrations were greater than five times the RL. Therefore, the concentrations of 4,4'-DDT and gamma-chlordane were J qualified as estimated in the field duplicate pair. The other compounds/field duplicate pairs with RPDs greater than 50% had one or both sample concentrations less than five times the RL; therefore, no qualifications were applied to the data for these compounds.

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B98-6-10 (7.5)	4,4'-DDD	0.25	U	NC	NA	NA	NA
DUP-04	4,4'-DDD	1.3	J		NA	NA	NA
SSHS-B98-6-10 (7.5)	Endosulfan sulfate	0.20	U	NC	NA	NA	NA
DUP-04	Endosulfan sulfate	0.22	J,p		NA	NA	NA
SSHS-B98-6-10	Endrin	0.37	U	NC	NA	NA	NA

Sample ID	Compound	Laboratory Result (µg/kg)	Laboratory Flag	RPD	Validation Result (µg/kg)	Validation Qualifier	Reason Code
(7.5)							
DUP-04	Endrin	0.79	J		NA	NA	NA
SSHS-B98-6-10 (7.5)	Methoxychlor	0.39	U	NC	NA	NA	NA
DUP-04	Methoxychlor	1.2	J,p		NA	NA	NA
SSHS-B98-6-10 (7.5)	The other pesticides	ND	NA	0	NA	NA	NA
DUP-04	The other pesticides	ND	NA		NA	NA	NA
SSHS-B99-10-14.5 (12)	4,4'-DDT	2.9	NA	NC	NA	NA	NA
DUP-05	4,4'-DDT	0.26	U		NA	NA	NA
SSHS-B99-10-14.5 (12)	Endosulfan sulfate	0.29	J,p	NC	NA	NA	NA
DUP-05	Endosulfan sulfate	0.30	J,p		NA	NA	NA
SSHS-B99-10-14.5 (12)	Endrin	0.55	J,p	NC	NA	NA	NA
DUP-05	Endrin	0.55	J,p		NA	NA	NA
SSHS-B99-10-14.5 (12)	The other pesticides	ND	NA	0	NA	NA	NA
DUP-05	The other pesticides	ND	NA		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	4,4'-DDT	31	NA	53	31	J	7
DUP-06	4,4'-DDT	18	NA		18	J	7
SSHS-B29-A-2-6 (4.5)	alpha-Chlordane	1.3	J,p	NC	NA	NA	NA
DUP-06	alpha-Chlordane	0.35	J,p		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Dieldrin	2.1	p	15	NA	NA	NA
DUP-06	Dieldrin	1.8	NA		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Endosulfan I	3.4	NA	57	NA	NA	NA
DUP-06	Endosulfan I	1.9	NA		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Endosulfan II	0.90	J,p	NC	NA	NA	NA
DUP-06	Endosulfan II	0.31	U		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Endosulfan sulfate	5.9	NA	38	NA	NA	NA
DUP-06	Endosulfan sulfate	4.0	NA		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Endrin	16	p	47	NA	NA	NA
DUP-06	Endrin	9.9	p		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Endrin aldehyde	2.0	p	NC	NA	NA	NA
DUP-06	Endrin aldehyde	0.75	J,p		NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B29-A-2-6 (4.5)	Endrin ketone	4.4	p	44	NA	NA	NA
DUP-06	Endrin ketone	2.8	p		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	gamma-Chlordane	25	p	56	25	J	7
DUP-06	gamma-Chlordane	14	p		14	J	7
SSHS-B29-A-2-6 (4.5)	Heptachlor	1.1	J,p	NC	NA	NA	NA
DUP-06	Heptachlor	0.44	J,p		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Heptachlor epoxide	15	p	63	NA	NA	NA
DUP-06	Heptachlor epoxide	7.8	p		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Methoxychlor	1.3	J,p	NC	NA	NA	NA
DUP-06	Methoxychlor	5.1	p		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	The other pesticides	ND	NA	0	NA	NA	NA
DUP-06	The other pesticides	ND	NA		NA	NA	NA
SSHS-B73-6-10 (8)	4,4'-DDD	0.24	U	NC	NA	NA	NA
DUP-07	4,4'-DDD	0.45	J,p		NA	NA	NA
SSHS-B73-6-10 (8)	4,4'-DDT	0.27	U	NC	NA	NA	NA
DUP-07	4,4'-DDT	0.87	J		NA	NA	NA
SSHS-B73-6-10 (8)	alpha-Chlordane	0.36	U	NC	NA	NA	NA
DUP-07	alpha-Chlordane	0.38	J,p		NA	NA	NA
SSHS-B73-6-10 (8)	delta-BHC	0.32	J,p	NC	NA	NA	NA
DUP-07	delta-BHC	0.61	J,p		NA	NA	NA
SSHS-B73-6-10 (8)	Endosulfan sulfate	0.19	U	NC	NA	NA	NA
DUP-07	Endosulfan sulfate	0.29	J		NA	NA	NA
SSHS-B73-6-10 (8)	Endrin	0.39	J,p	NC	NA	NA	NA
DUP-07	Endrin	0.70	J,p		NA	NA	NA
SSHS-B73-6-10 (8)	gamma-BHC (Lindane)	0.85	J	NC	NA	NA	NA
DUP-07	gamma-BHC (Lindane)	1.6	J		NA	NA	NA
SSHS-B73-6-10 (8)	gamma-Chlordane	0.53	J,p	NC	NA	NA	NA
DUP-07	gamma-Chlordane	1.3	J,p		NA	NA	NA
SSHS-B73-6-10	Heptachlor epoxide	0.40	J,p	NC	NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result (µg/kg)**	**Validation Qualifier**	**Reason Code**
(8)							
DUP-07	Heptachlor epoxide	0.95	J,p		NA	NA	NA
SSHS-B73-6-10 (8)	The other pesticides	ND	NA	0	NA	NA	NA
DUP-07	The other pesticides	ND	NA		NA	NA	NA
SSHS-B90-2-6 (4)	4,4'-DDD	0.44	J,p	NC	NA	NA	NA
DUP-08	4,4'-DDD	0.26	U		NA	NA	NA
SSHS-B90-2-6 (4)	4,4'-DDT	0.35	J,p	NC	NA	NA	NA
DUP-08	4,4'-DDT	0.30	U		NA	NA	NA
SSHS-B90-2-6 (4)	alpha-Chlordane	0.40	U	NC	NA	NA	NA
DUP-08	alpha-Chlordane	0.84	J		NA	NA	NA
SSHS-B90-2-6 (4)	Endosulfan sulfate	0.23	J,p	NC	NA	NA	NA
DUP-08	Endosulfan sulfate	0.21	U		NA	NA	NA
SSHS-B90-2-6 (4)	Endrin	0.81	J	NC	NA	NA	NA
DUP-08	Endrin	0.39	U		NA	NA	NA
SSHS-B90-2-6 (4)	gamma-Chlordane	0.60	J,p	NC	NA	NA	NA
DUP-08	gamma-Chlordane	1.2	J		NA	NA	NA
SSHS-B90-2-6 (4)	The other pesticides	ND	NA	0	NA	NA	NA
DUP-08	The other pesticides	ND	NA		NA	NA	NA
SSHS-B89-2-6 (5)	The pesticides	ND	NA	0	NA	NA	NA
DUP-09	The pesticides	ND	NA		NA	NA	NA
SSHS-B85-10-15 (12.5)	Methoxychlor	0.40	U	NC	NA	NA	NA
DUP-10	Methoxychlor	0.66	J		NA	NA	NA
SSHS-B85-10-15 (12.5)	The other pesticides	ND	NA	0	NA	NA	NA
DUP-10	The other pesticides	ND	NA		NA	NA	NA
SSHS-B83-2-6 (5.5)	Endrin ketone	0.31	U	NC	NA	NA	NA
DUP-11	Endrin ketone	0.51	J		NA	NA	NA
SSHS-B83-2-6 (5.5)	The other pesticides	ND	NA	0	NA	NA	NA
DUP-11	The other pesticides	ND	NA		NA	NA	NA

µg/kg-microgram per kilogram
NA-not applicable
U-not detected at the reported MDL
NC-not calculable
J-estimated concentration greater than the MDL and less than the RL
p-laboratory flag indicating the RPD between the two columns is greater than 40% RPD; the lower concentration was reported
ND-not detected at the MDL

3.11 Sensitivity

The samples were reported to the MDLs. No elevated nondetect results were reported.

The MDLs and RLs were the same as those listed in Table C.1 in the QAPP.

3.12 Electronic Data Deliverables Review

Results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140813-EQUIPMENT BLANK-SOIL, was truncated to 20140813-EQUIPMENT BLANK-SO in the EDD and the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II reports and the EDDs.

4.0 POLYCHLORINATED BIPHENYLS

Sixty-one solid samples, eight solid field duplicate samples, five MS/MSD pairs, 2 groundwater samples and two equipment blanks were analyzed for PCBs per EPA Methods 3510C/8082A and 3541/8082A.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Time
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity
⊗ Electronic Data Deliverables Review

4.1 Overall Assessment

4.1.1 Completeness

The PCB (Aroclor) data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

4.1.2 Analysis Anomalies

The samples were analyzed on two different GC columns. One estimated PCB concentration was flagged by the laboratory with p, indicating the RPD between the two columns was greater than 40% RPD and the lower concentration was reported. Therefore, based on professional and technical judgment, the p-flagged concentration was J qualified as estimated.

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
DUP-08	PCB-1260	17	J,p	17	J	13

µg/kg-microgram per kilogram
p-laboratory flag indicating the RPD between the two columns is greater than 40% RPD; the lower concentration was reported
J-estimated concentration less than the RL and greater than the MDL

4.2 Holding Times

The holding times for PCB analysis of solids are 14 days from sample collection to extraction and 40 days from extraction to analysis. The holding times for PCB analysis of waters are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

4.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Seven method blanks were reported with the data (batches 115772, 115781, 115782, 115773, 115889, 116007 and 115137). PCBs were not detected in the method blanks above the MDLs.

4.4 Matrix Spike/Matrix Spike Duplicate

Five sample set specific MS/MSD pairs, using samples SSHS-B86-6-10 (8), SSHS-B82-2-6 (4), SSHS-B73-2-6 (4), SSHS-B99-SS and SSHS-B97-6-10 (8), were reported. The MS/MSD pairs had recovery and RPD results within the QAPP specified acceptance criteria.

4.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six LCSs and one LCS/LCSD pair were analyzed. The results for the LCSs and LCS/LCSD pair were within the QAPP specified acceptance criteria for recovery and RPD.

4.6 Surrogate

The surrogate recoveries were within the laboratory specified acceptance criteria, with the following exceptions.

The tetrachloro-m-xylene (TCX) surrogate recovery was low and outside the laboratory specified acceptance criteria in sample DUP-07. Since the other surrogate, decachlorobiphenyl (DCB), had acceptable recovery in this sample, no qualifications were applied to the sample data, based on professional and technical judgment.

4.7 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. PCBs were not detected in the source blank above the MDLs.

4.8 Equipment Blank

Two equipment blanks, 20140813-EQUIPMENT BLANK-GW and 20140813-EQUIPMENT BLANK-SOIL, were collected with the samples. PCBs were not detected in the equipment blank above the MDLs.

4.9 Field Duplicate

Eight field duplicate samples, DUP-04, DUP-05, DUP-06, DUP-07, DUP-08, DUP-09, DUP-10 and DUP-11, were collected with the sample set. Acceptable precision (RPD $\leq$50% for solid samples, if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B98-6-10 (7.5), SSHS-B99-10-14.5 (12), SSHS-B29-

A-2-6 (4.5), SSHS-B73-6-10 (8), SSHS-B90-2-6 (4), SSHS-B89-2-6 (5), SSHS-B85-10-15 (12.5) and SSHS-B83-2-6 (5.5), respectively.

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**RPD**
SSHS-B98-6-10 (7.5)	The PCBs	ND	NA	NA
DUP-04	The PCBs	ND	NA	
SSHS-B99-10-14.5 (12)	PCB-1248	21	NA	NA
DUP-05	PCB-1248	22	NA	
SSHS-B99-10-14.5 (12)	PCB-1260	19	NA	NA
DUP-05	PCB-1260	17	NA	
SSHS-B99-10-14.5 (12)	The other PCBs	ND	NA	NA
DUP-05	The other PCBs	ND	NA	
SSHS-B29-A-2-6 (4.5)	PCB-1248	1200	NA	45
DUP-06	PCB-1248	760	NA	
SSHS-B29-A-2-6 (4.5)	PCB-1260	230	NA	42
DUP-06	PCB-1260	150	NA	
SSHS-B29-A-2-6 (4.5)	The other PCBs	ND	NA	NA
DUP-06	The other PCBs	ND	NA	
SSHS-B73-6-10 (8)	PCB-1248	46	NA	NA
DUP-07	PCB-1248	9.6	J	
SSHS-B73-6-10 (8)	PCB-1260	12	J	NA
DUP-07	PCB-1260	8.2	J	
SSHS-B73-6-10 (8)	The other PCBs	ND	NA	NA
DUP-07	The other PCBs	ND	NA	
SSHS-B90-2-6 (4)	PCB-1248	33	NA	NA
DUP-08	PCB-1248	93	NA	
SSHS-B90-2-6 (4)	PCB-1260	12	J	NA
DUP-08	PCB-1260	17	J,p	
SSHS-B90-2-6 (4)	The other PCBs	ND	NA	NA
DUP-08	The other PCBs	ND	NA	
SSHS-B89-2-6 (5)	The PCBs	ND	NA	NA
DUP-09	The PCBs	ND	NA	
SSHS-B85-10-15 (12.5)	The PCBs	ND	NA	NA
DUP-10	The PCBs	ND	NA	
SSHS-B83-2-6 (5.5)	The PCBs	ND	NA	NA

Sample ID	Compound	Laboratory Result (µg/kg)	Laboratory Flag	RPD
DUP-11	The PCBs	ND	NA	

µg/kg-microgram per kilogram
NA-not applicable
U-not detected at the reported MDL
NC-not applicable
ND-not detected at the MDL

4.10 Sensitivity

The samples were reported to the MDLs. No elevated nondetect results were reported.

The MDLs and RLs were the same as those listed in Table C.1 in the QAPP. It was noted that total PCBs were listed in Table C.1 in the QAPP, but not reported by the laboratory.

4.11 Electronic Data Deliverables Review

Results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140813-EQUIPMENT BLANK-SOIL, was truncated to 20140813-EQUIPMENT BLANK-SO in the EDD and the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II reports and the EDDs.

5.0 GASOLINE RANGE ORGANICS

Two groundwater samples and one equipment blank were analyzed for GRO per EPA Methods 5030C/8015D.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates

- ✓ Source Blank
- ✓ Equipment Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ⊗ Electronic Data Deliverable Review

5.1 Overall Assessment

The GRO data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

5.2 Holding Times

The holding time for the GRO analysis of a preserved water sample is 14 days from sample collection to analysis. The holding times were met for the sample analyses.

5.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two method blanks were reported with the data (batches 143382 and 143606). GRO was not detected in the method blanks above the MDL.

5.4 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were not reported.

5.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs were reported. The results for the LCSs were within the QAPP specified acceptance criterion for recovery.

5.6 Surrogate

Acceptable surrogate recoveries were reported for the sample analyses.

5.7 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. GRO was not detected in the source blank above the MDLs.

5.8 Equipment Blank

One equipment blank, 20140813-EQUIPMENT BLANK-GW, was collected with the groundwater samples. GRO was not detected in the equipment blank above the MDL.

5.9 Field Duplicate

Eight field duplicate samples were collected with the sample set, but were not analyzed for GRO.

5.10 Sensitivity

The samples were reported to the MDL. No elevated nondetect results were reported. The MDL and RL reported were the same as those listed in Table C.2 in the QAPP.

5.11 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20%. It was noted that the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II report and the EDD.

6.0 DIESEL RANGE ORGANICS

Two groundwater samples and one equipment blank were analyzed for DRO per EPA Methods 3520C/8015D.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
✓ Source Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity
⊗ Electronic Data Deliverable Review

6.1 Overall Assessment

The DRO data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

6.2 Holding Times

The holding times for the DRO analysis of a water sample are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

6.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported with the data (batch 143586). DRO was not detected in the method blank above the MDL.

6.4 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were not reported.

6.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The results for the LCS were within the QAPP specified acceptance criterion for recovery.

6.6 Surrogate

Acceptable surrogate recoveries were reported for the sample analyses.

6.7 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. GRO was not detected in the source blank above the MDLs.

6.8 Equipment Blank

One equipment blank, 20140813-EQUIPMENT BLANK-GW, was collected with the groundwater samples. DRO was not detected in the equipment blank above the MDL.

6.9 Field Duplicate

Eight field duplicate samples were collected with the sample set, but were not analyzed for DRO.

6.10 Sensitivity

The samples were reported to the MDLs. The MDLs and RLs reported were the same as those listed in Table C.2 in the QAPP.

6.11 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20%. It was noted that the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II report and the EDD.

7.0 METALS

Sixty-one solid samples, eight field duplicate samples, six MS/MSD pairs and one equipment blank were analyzed for metals per EPA Methods 3005A/6010C and 3050B/6010C (Mercury evaluated separately in Section 8.0, below).

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ⊗ Method Blank
- ⊗ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Source Blank
- ✓ Equipment Blank
- ⊗ Field Duplicate
- ✓ Sensitivity
- ⊗ Electronic Data Deliverables Review

7.1 Overall Assessment

The metals data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

7.2 Holding Times

The holding times for metals analysis of solids and waters are 180 days from sample collection to analysis. The holding times were met for the sample analyses.

7.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Five method blanks were reported with the data (batches 115461, 115463, 115029, 115465 and 116034). The metals were not detected in the method blanks above the MDLs, with the following exceptions.

Cadmium, nickel, potassium, sodium and zinc were detected at estimated concentrations greater than the MDLs and less than the RLs in the method blank in batch 115461. Since nickel and zinc were detected in the associated samples at concentrations greater than the RLs, no qualifications were applied to the data. However, the estimated concentrations of cadmium, potassium and sodium in the associated samples were U qualified as not detected at the RLs.

Barium, calcium, iron, magnesium, potassium, sodium and zinc were detected at estimated concentrations greater than the MDLs and less than the RLs in the method blank in batch 115463. Since barium, iron, magnesium and zinc were detected in the associated samples at concentrations greater than the RLs, no qualifications were applied to the data for these metals. However, the estimated concentrations of sodium, potassium and calcium in the associated samples were U qualified as not detected at the RLs.

Barium, cadmium, potassium, sodium, vanadium and zinc were detected at estimated concentrations greater than the MDLs and less than the RLs in the method blank in batch 115465. Since barium, vanadium and zinc were detected in the associated sample at concentrations greater than the RLs, no qualifications were applied to the data. However, the estimated concentrations of sodium, cadmium and potassium in the associated samples were U qualified as not detected at the RLs.

Chromium, nickel, silver, sodium and zinc were detected at estimated concentrations greater than the MDLs and less than the RLs in the method blank in batch 116034. Since chromium, nickel and zinc were detected in the associated sample at concentrations greater than the RLs, no qualifications were applied to the data. However, the estimated concentrations of sodium and silver in the associated samples were U qualified as not detected at the RLs.

Potassium and sodium were detected at estimated concentrations greater than the MDLs and less than the RLs in the method blank in batch 115029. Therefore, the estimated concentrations of sodium and potassium in the associated samples were U qualified as not detected at the RLs.

Sample ID	**Compound**	**Laboratory Concentration (µg/L)**	**Laboratory Flag**	**Validation Concentration (µg/L)**	**Validation Qualifier**	**Reason Code**
20140813-EQUIPMENT BLANK-SO	Potassium	330	J,B	5000	U	3
20140813-EQUIPMENT BLANK-SO	Sodium	56	J,B	5000	U	3

µg/L-microgram per liter
J-estimated concentration greater than the MDL and less than the RL
B-compound detected in both the method blank and sample

Sample ID	**Compound**	**Laboratory Concentration (mg/kg)**	**Laboratory Flag**	**Validation Concentration (mg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-91-0.17-2 (1.75)	Cadmium	0.064	J,B	0.48	U	3
SSHS-91-0.17-2 (1.75)	Potassium	390	J,B	480	U	3
SSHS-91-0.17-2 (1.75)	Sodium	91	J,B	480	U	3
SSHS-91-2-6 (5)	Sodium	140	J,B	550	U	3
SSHS-91-6-10 (8)	Cadmium	0.046	J,B	0.53	U	3

Sample ID	**Compound**	**Laboratory Concentration (mg/kg)**	**Laboratory Flag**	**Validation Concentration (mg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-91-6-10 (8)	Sodium	92	J,B	530	U	3
SSHS-91-SS	Cadmium	0.25	J,B	0.65	U	3
SSHS-91-SS	Sodium	97	J,B	650	U	3
SSHS-B73-0.17-2 (1)	Sodium	140	J,B	510	U	3
SSHS-B73-10-15 (12.5)	Sodium	180	J,B	550	U	3
SSHS-B73-2-6 (4)	Sodium	140	J,B	550	U	3
SSHS-B73-6-10 (8)	Sodium	140	J,B	550	U	3
SSHS-B74-0.17-2 (1.5)	Sodium	64	J,B	550	U	3
SSHS-B74-10-15 (12.5)	Sodium	62	J,B	560	U	3
SSHS-B74-2-6 (5)	Sodium	43	J,B	500	U	3
SSHS-B74-6-10 (7.5)	Sodium	48	J,B	560	U	3
SSHS-B74-SS	Sodium	51	J,B	610	U	3
SSHS-B82-0.17-2 (1.5)	Cadmium	0.26	J,B	0.56	U	3
SSHS-B82-0.17-2 (1.5)	Potassium	450	J,B	560	U	3
SSHS-B82-0.17-2 (1.5)	Sodium	330	J,B	560	U	3
SSHS-B82-10-15 (12.5)	Potassium	500	J,B	520	U	3
SSHS-B82-10-15 (12.5)	Sodium	110	J,B	520	U	3
SSHS-B82-2-6 (4)	Potassium	530	J,B	550	U	3
SSHS-B82-2-6 (4)	Sodium	130	J,B	550	U	3
SSHS-B82-6-10 (8)	Sodium	100	J,B	530	U	3
SSHS-B83-10-14.5 (12)	Potassium	490	J,B	540	U	3
SSHS-B83-10-14.5 (12)	Sodium	76	J,B	540	U	3
SSHS-B83-2-6 (5.5)	Sodium	150	J,B	560	U	3
SSHS-B83-6-10 (8)	Sodium	90	J,B	560	U	3
SSHS-B85-0.17-2 (1)	Potassium	400	J,B	520	U	3
SSHS-B85-0.17-2 (1)	Sodium	200	J,B	520	U	3
SSHS-B85-10-15 (12.5)	Sodium	110	J,B	560	U	3
SSHS-B85-2-6 (3.5)	Potassium	440	J,B	590	U	3
SSHS-B85-6-10 (8)	Calcium	500	J,B	520	U	3
SSHS-B85-6-10 (8)	Sodium	110	J,B	520	U	3
SSHS-B86-0.17-2 (1.5)	Cadmium	0.082	J,B	0.53	U	3
SSHS-B86-0.17-2 (1.5)	Potassium	380	J,B	530	U	3
SSHS-B86-0.17-2 (1.5)	Sodium	240	J,B	530	U	3
SSHS-B86-10-15 (12.5)	Potassium	510	J,B	540	U	3

Sample ID	**Compound**	**Laboratory Concentration (mg/kg)**	**Laboratory Flag**	**Validation Concentration (mg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B86-10-15 (12.5)	Sodium	110	J,B	540	U	3
SSHS-B86-2-6 (3.5)	Cadmium	0.080	J,B	0.55	U	3
SSHS-B86-2-6 (3.5)	Sodium	350	J,B	550	U	3
SSHS-B86-6-10 (8)	Cadmium	0.092	J,B	0.55	U	3
SSHS-B86-6-10 (8)	Sodium	260	J,B	550	U	3
SSHS-B88-0.17-2 (1)	Cadmium	0.065	J,B	0.53	U	3
SSHS-B88-0.17-2 (1)	Potassium	450	J,B	530	U	3
SSHS-B88-0.17-2 (1)	Sodium	300	J,B	530	U	3
SSHS-B88-10-15 (12.5)	Cadmium	0.065	J,B	0.57	U	3
SSHS-B88-10-15 (12.5)	Sodium	350	J,B	570	U	3
SSHS-B88-2-6 (4)	Cadmium	0.034	J,B	0.54	U	3
SSHS-B88-2-6 (4)	Potassium	360	J,B	540	U	3
SSHS-B88-2-6 (4)	Sodium	170	J,B	540	U	3
SSHS-B88-6-10 (8)	Cadmium	0.049	J,B	0.5	U	3
SSHS-B88-6-10 (8)	Potassium	440	J,B	500	U	3
SSHS-B88-6-10 (8)	Sodium	180	J,B	500	U	3
SSHS-B89-0.17-2 (1)	Cadmium	0.060	J,B	0.50	U	3
SSHS-B89-0.17-2 (1)	Potassium	420	J,B	500	U	3
SSHS-B89-0.17-2 (1)	Sodium	200	J,B	500	U	3
SSHS-B89-10-15 (12.5)	Cadmium	0.058	J,B	0.50	U	3
SSHS-B89-10-15 (12.5)	Potassium	440	J,B	500	U	3
SSHS-B89-10-15 (12.5)	Sodium	84	J,B	500	U	3
SSHS-B89-2-6 (5)	Cadmium	0.062	J,B	0.55	U	3
SSHS-B89-2-6 (5)	Sodium	160	J,B	550	U	3
SSHS-B89-6-10 (7.5)	Cadmium	0.06	J,B	0.56	U	3
SSHS-B89-6-10 (7.5)	Sodium	180	J,B	560	U	3
SSHS-B90-0.17-2 (1)	Potassium	480	J,B	510	U	3
SSHS-B90-0.17-2 (1)	Sodium	320	J,B	510	U	3
SSHS-B90-10-15 (13)	Cadmium	0.078	J,B	0.57	U	3
SSHS-B90-10-15 (13)	Potassium	360	J,B	570	U	3
SSHS-B90-10-15 (13)	Sodium	49	J,B	570	U	3
SSHS-B90-2-6 (4)	Cadmium	0.11	J,B	0.59	U	3
SSHS-B90-2-6 (4)	Potassium	520	J,B	590	U	3
SSHS-B90-2-6 (4)	Sodium	180	J,B	590	U	3

Sample ID	**Compound**	**Laboratory Concentration (mg/kg)**	**Laboratory Flag**	**Validation Concentration (mg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B90-6-10 (9)	Cadmium	0.084	J,B	0.60	U	3
SSHS-B90-6-10 (9)	Potassium	580	J,B	600	U	3
SSHS-B90-6-10 (9)	Sodium	120	J,B	600	U	3
DUP-04	Sodium	130	J,B	550	U	3
DUP-05	Sodium	91	J,B	510	U	3
DUP-06	Sodium	67	J,B	510	U	3
DUP-07	Sodium	130	J,B	500	U	3
DUP-08	Sodium	180	J,B	580	U	3
DUP-09	Sodium	180	J,B	590	U	3
DUP-10	Sodium	110	J,B	520	U	3
DUP-11	Sodium	170	J,B	530	U	3
SSHS-91-10-15 (12.5)	Cadmium	0.19	J,B	0.57	U	3
SSHS-91-10-15 (12.5)	Sodium	79	J,B	570	U	3
SSHS-B29-A-0.17-2 (1.5)	Sodium	56	J,B	530	U	3
SSHS-B29-A-10-12 (11.5)	Sodium	89	J,B	500	U	3
SSHS-B29-A-2-6 (4.5)	Sodium	52	J,B	520	U	3
SSHS-B29-A-8-10 (8.5)	Sodium	82	J,B	540	U	3
SSHS-B29-A-SS	Sodium	49	J,B	610	U	3
SSHS-B97-0.17-2 (1)	Cadmium	0.095	J,B	0.55	U	3
SSHS-B97-0.17-2 (1)	Sodium	45	J,B	550	U	3
SSHS-B97-10-16 (13)	Silver	0.046	J,B	0.52	U	3
SSHS-B97-10-16 (13)	Sodium	63	J,B	520	U	3
SSHS-B97-2-6 (5)	Sodium	78	J,B	510	U	3
SSHS-B97-6-10 (8)	Sodium	72	J,B	530	U	3
SSHS-B97-SS	Cadmium	0.14	J,B	0.66	U	3
SSHS-B97-SS	Sodium	35	J,B	660	U	3
SSHS-B98-0.17-2 (1)	Cadmium	0.22	J,B	0.57	U	3
SSHS-B98-0.17-2 (1)	Sodium	510	J,B	570	U	3
SSHS-B98-10-12 (12)	Cadmium	0.089	J,B	0.60	U	3
SSHS-B98-10-12 (12)	Sodium	150	J,B	600	U	3
SSHS-B98-2-6 (3.5)	Cadmium	0.073	J,B	0.51	U	3
SSHS-B98-2-6 (3.5)	Sodium	130	J,B	510	U	3
SSHS-B98-6-10 (7.5)	Cadmium	0.13	J,B	0.55	U	3

Sample ID	Compound	Laboratory Concentration (mg/kg)	Laboratory Flag	Validation Concentration (mg/kg)	Validation Qualifier	Reason Code
SSHS-B98-6-10 (7.5)	Sodium	130	J,B	550	U	3
SSHS-B98-SS	Cadmium	0.20	J,B	0.69	U	3
SSHS-B98-SS	Sodium	89	J,B	690	U	3
SSHS-B99-0.17-2 (1)	Cadmium	0.18	J,B	0.57	U	3
SSHS-B99-0.17-2 (1)	Sodium	110	J,B	570	U	3
SSHS-B99-10-14.5 (12)	Cadmium	0.060	J,B	0.49	U	3
SSHS-B99-10-14.5 (12)	Sodium	82	J,B	490	U	3
SSHS-B99-2-6 (4)	Cadmium	0.23	J,B	0.58	U	3
SSHS-B99-2-6 (4)	Sodium	140	J,B	580	U	3
SSHS-B99-6-10 (8)	Cadmium	0.087	J,B	0.55	U	3
SSHS-B99-6-10 (8)	Potassium	480	J,B	550	U	3
SSHS-B99-6-10 (8)	Sodium	84	J,B	550	U	3
SSHS-B99-SS	Cadmium	0.22	J,B	0.60	U	3
SSHS-B99-SS	Sodium	81	J,B	600	U	3

mg/kg-milligram per kilogram
J-estimated concentration greater than the MDL and less than the RL
B-compound detected in both the method blank and sample

7.4 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were analyzed at the proper frequency for the number and types of samples analyzed (one pair per batch of 20 samples). Six sample set specific MS/MSD pairs, using samples SSHS-B86-6-10 (8), SSHS-B82-2-6 (4), SSHS-B73-2-6 (4), SSHS-B97-2-6 (5), SSHS-B99-SS and EQUIPMENT BLANK-SOIL were reported. The MS/MSD pairs had recovery and RPD results within the QAPP specified acceptance criteria, with the following exceptions.

One or both of the recoveries of antimony, barium and zinc were low and outside the QAPP specified acceptance criteria in the MS/MSD pair using sample SSHS-B86-6-10 (8). In addition, a post digestion spike (PDS) was also analyzed and had recovery results for antimony and barium within the laboratory specified acceptance criteria; the PDS recovery of zinc was low and outside the laboratory specified acceptance limits. Therefore, the concentration of barium was J qualified as estimated, the undetected value of antimony was UJ qualified as estimated less than the MDL and the concentration of zinc was J- qualified as estimated with a low bias in sample SSHS-B86-6-10 (8).

One or both of the recoveries of antimony and calcium were low and outside the QAPP specified acceptance criteria in the MS/MSD pair using sample SSHS-B82-2-6 (4). In addition, a PDS was analyzed and had recovery results for antimony and calcium within the laboratory specified acceptance criteria. Therefore, the undetected value of antimony in sample SSHS-B82-2-6 (4) was UJ qualified as estimated less than the MDL and the concentration of calcium was J qualified as estimated.

One or both of the recoveries of antimony, lead and zinc were low, the recoveries of calcium, nickel and magnesium were high and chromium and copper had recoveries that were both low and high, outside the QAPP specified acceptance criteria in the MS/MSD pair using sample SSHS-B73-2-6 (4). Also, the RPDs for calcium, chromium, copper, magnesium and nickel were high and outside the QAPP specified acceptance criteria. A PDS was analyzed and had recovery results for these metals within the laboratory specified acceptance criteria. Therefore, the undetected value of antimony in sample SSHS-B73-2-6 (4) was UJ qualified as estimated less than the MDL and the concentrations of calcium, chromium, copper, lead, magnesium, nickel and zinc were J qualified as estimated.

The recoveries of antimony were low and outside the QAPP specified acceptance criteria in the MS/MSD pair using sample SSHS-B99-SS. A PDS was analyzed and had a recovery result for antimony within the laboratory specified acceptance criteria. Therefore, the undetected value of antimony in sample SSHS-B99-SS was UJ qualified as estimated less than the MDL.

The recoveries of antimony and copper were low and outside the QAPP specified acceptance criteria in the MS/MSD pair using sample SSHS-B97-2-6 (5). Also, the recovery of magnesium in the MS and the RPD for magnesium were high and outside the QAPP specified acceptance criteria. A PDS was analyzed and had recovery results for these metals within the laboratory specified acceptance criteria. Therefore, the undetected value of antimony in sample SSHS-B97-2-6 (5) was UJ qualified as estimated less than the MDL and the concentrations of copper and magnesium were J qualified as estimated.

It was noted that the recovery criteria for aluminum, iron and manganese were not applicable since the concentrations of these three metals in samples SSHS-B86-6-10 (8), SSHS-B82-2-6 (4), SSHS-B73-2-6 (4), SSHS-B97-2-6 (5), SSHS-B99-SS were greater than four times the spike concentrations. Also, the recovery criteria for calcium were not applicable in sample SSHS-B97-2-6 (5) since the calcium concentration was greater than four times the spike concentration. No qualifications were applied to the data.

Sample ID	Compound	Laboratory Concentration (mg/kg)	Laboratory Flag	Validation Concentration (mg/kg)	Validation Qualifier	Reason Code
SSHS-B97-2-6 (5)	Antimony	0.20	U	0.20	UJ	4
SSHS-B97-2-6 (5)	Copper	23	NA	23	J	4
SSHS-B97-2-6 (5)	Magnesium	3900	NA	3900	J	4
SSHS-B99-SS	Antimony	0.24	U	0.24	UJ	4
SSHS-B73-2-6 (4)	Antimony	0.22	U	0.22	UJ	4
SSHS-B73-2-6 (4)	Calcium	6500	B	6500	J	4
SSHS-B73-2-6 (4)	Chromium	14	NA	14	J	4
SSHS-B73-2-6 (4)	Copper	33	NA	33	J	4
SSHS-B73-2-6 (4)	Lead	50	NA	50	J	4
SSHS-B73-2-6 (4)	Magnesium	2700	B	2700	J	4
SSHS-B73-2-6 (4)	Nickel	28	NA	28	J	4
SSHS-B73-2-6 (4)	Zinc	64	B	64	J	4
SSHS-B82-2-6 (4)	Antimony	0.22	U	0.22	UJ	4
SSHS-B82-2-6 (4)	Calcium	8800	B	8800	J	4
SSHS-B86-6-10 (8)	Antimony	0.22	U	0.22	UJ	4
SSHS-B86-6-10 (8)	Barium	100	NA	100	J	4
SSHS-B86-6-10 (8)	Zinc	72	B	72	J-	4

mg/kg-milligram per kilogram
B-metal was detected in both the method blank and the sample
U-not detected at the reported MDL
NA-not applicable

7.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Five LCSs were analyzed. The results for the LCSs were within the QAPP specified acceptance criteria for recovery.

7.6 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. The metals were not detected in the source blank above the MDLs, with the following exceptions.

Potassium and sodium were detected at estimated concentrations greater than the MDLs and less the RLs. Since the potassium and sodium concentrations in the source blank were U qualified as not detected at the RL based on the method blank contamination, no additional qualifications were applied to the potassium and sodium data.

7.7 Equipment Blank

One equipment blank, 20140813-EQUIPMENT BLANK-SOIL, was collected with the soil samples. Metals were not detected in the equipment blank above the MDLs, with the following exceptions.

Calcium, iron, manganese, potassium and sodium were detected at estimated concentrations greater than the MDLs and less than the RLs. Since the potassium and sodium concentrations in the equipment blank were U qualified as not detected above the RL based on the method blank contamination and the calcium, iron and manganese concentrations in the associated samples were greater than the RLs, no qualifications were applied to the data.

7.8 Field Duplicate

Eight field duplicate samples, DUP-04, DUP-05, DUP-06, DUP-07, DUP-08, DUP-09, DUP-10 and DUP-11, were collected with the sample set. Acceptable precision (RPD $\leq$50% for solid samples, if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B98-6-10 (7.5), SSHS-B99-10-14.5 (12), SSHS-B29-A-2-6 (4.5), SSHS-B73-6-10 (8), SSHS-B90-2-6 (4), SSHS-B89-2-6 (5), SSHS-B85-10-15 (12.5) and SSHS-B83-2-6 (5.5), respectively, with the following exceptions.

The RPDs for chromium and copper for field duplicate pair SSHS-B98-6-10 (7.5)/DUP-04, calcium and nickel in field duplicate pair SSHS-B29-A-2-6 (4.5)/DUP-06 and lead and manganese in field duplicate pair SSHS-B73-6-10 (8)/DUP-07 were >50% and the concentrations were greater than five times the RL. Therefore, the concentrations of these metals were J qualified as estimated in the field duplicate pairs.

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	RPD	Validation Result	Validation Qualifier	Reason Code
SSHS-B98-6-10 (7.5)	Aluminum	8300	NA	4	NA	NA	NA
DUP-04	Aluminum	8000	NA		NA	NA	NA
SSHS-B98-6-10 (7.5)	Arsenic	8.0	NA	4	NA	NA	NA
DUP-04	Arsenic	7.7	NA		NA	NA	NA
SSHS-B98-6-10 (7.5)	Barium	63	B	12	NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result**	**Validation Qualifier**	**Reason Code**
DUP-04	Barium	56	NA		NA	NA	NA
SSHS-B98-6-10 (7.5)	Beryllium	0.38	J	NC	NA	NA	NA
DUP-04	Beryllium	0.44	NA		NA	NA	NA
SSHS-B98-6-10 (7.5)	Cadmium	0.13	J,B	NC	NA	NA	NA
DUP-04	Cadmium	0.13	J		NA	NA	NA
SSHS-B98-6-10 (7.5)	Calcium	10000	NA	10	NA	NA	NA
DUP-04	Calcium	11000	NA		NA	NA	NA
SSHS-B98-6-10 (7.5)	Chromium	11	NA	67	11	J	7
DUP-04	Chromium	22	B		22	J	7
SSHS-B98-6-10 (7.5)	Cobalt	6.9	NA	7	NA	NA	NA
DUP-04	Cobalt	7.4	NA		NA	NA	NA
SSHS-B98-6-10 (7.5)	Copper	30	NA	107	30	J	7
DUP-04	Copper	99	NA		99	J	7
SSHS-B98-6-10 (7.5)	Iron	19000	NA	0	NA	NA	NA
DUP-04	Iron	19000	NA		NA	NA	NA
SSHS-B98-6-10 (7.5)	Lead	16	NA	0	NA	NA	NA
DUP-04	Lead	16	NA		NA	NA	NA
SSHS-B98-6-10 (7.5)	Magnesium	3900	NA	12	NA	NA	NA
DUP-04	Magnesium	4400	NA		NA	NA	NA
SSHS-B98-6-10 (7.5)	Manganese	420	NA	17	NA	NA	NA
DUP-04	Manganese	500	NA		NA	NA	NA
SSHS-B98-6-10 (7.5)	Nickel	390	NA	14	NA	NA	NA
DUP-04	Nickel	340	B		NA	NA	NA
SSHS-B98-6-10 (7.5)	Potassium	610	B	14	NA	NA	NA
DUP-04	Potassium	700	NA		NA	NA	NA
SSHS-B98-6-10 (7.5)	Selenium	0.46	J	NC	NA	NA	NA
DUP-04	Selenium	0.63	J		NA	NA	NA
SSHS-B98-6-10 (7.5)	Sodium	130	J,B	NC	NA	NA	NA
DUP-04	Sodium	130	J,B		NA	NA	NA

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	RPD	Validation Result	Validation Qualifier	Reason Code
SSHS-B98-6-10 (7.5)	Vanadium	14	B	7	NA	NA	NA
DUP-04	Vanadium	13	NA		NA	NA	NA
SSHS-B98-6-10 (7.5)	Zinc	79	B	41	NA	NA	NA
DUP-04	Zinc	120	B		NA	NA	NA
SSHS-B98-6-10 (7.5)	The other metals	ND	NA	0	NA	NA	NA
DUP-04	The other metals	ND	NA		NA	NA	NA
SSHS-B99-10-14.5 (12)	Aluminum	5500	NA	4	NA	NA	NA
DUP-05	Aluminum	5700	NA		NA	NA	NA
SSHS-B99-10-14.5 (12)	Arsenic	7.1	NA	10	NA	NA	NA
DUP-05	Arsenic	6.4	NA		NA	NA	NA
SSHS-B99-10-14.5 (12)	Barium	57	B	0	NA	NA	NA
DUP-05	Barium	57	NA		NA	NA	NA
SSHS-B99-10-14.5 (12)	Beryllium	0.21	J	NC	NA	NA	NA
DUP-05	Beryllium	0.21	J		NA	NA	NA
SSHS-B99-10-14.5 (12)	Cadmium	0.060	J,B	NC	NA	NA	NA
DUP-05	Cadmium	0.066	J		NA	NA	NA
SSHS-B99-10-14.5 (12)	Calcium	47000	NA	8	NA	NA	NA
DUP-05	Calcium	51000	NA		NA	NA	NA
SSHS-B99-10-14.5 (12)	Chromium	8.3	NA	6	NA	NA	NA
DUP-05	Chromium	8.8	B		NA	NA	NA
SSHS-B99-10-14.5 (12)	Cobalt	5.2	NA	4	NA	NA	NA
DUP-05	Cobalt	5.4	NA		NA	NA	NA
SSHS-B99-10-14.5 (12)	Copper	20	NA	5	NA	NA	NA
DUP-05	Copper	19	NA		NA	NA	NA
SSHS-B99-10-14.5 (12)	Iron	13000	NA	0	NA	NA	NA
DUP-05	Iron	13000	NA		NA	NA	NA
SSHS-B99-10-14.5 (12)	Lead	6.7	NA	3	NA	NA	NA
DUP-05	Lead	6.9	NA		NA	NA	NA
SSHS-B99-10-	Magnesium	10000	NA	10	NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result**	**Validation Qualifier**	**Reason Code**
14.5 (12)							
DUP-05	Magnesium	11000	NA		NA	NA	NA
SSHS-B99-10-14.5 (12)	Manganese	420	NA	15	NA	NA	NA
DUP-05	Manganese	490	NA		NA	NA	NA
SSHS-B99-10-14.5 (12)	Nickel	17	NA	11	NA	NA	NA
DUP-05	Nickel	19	B		NA	NA	NA
SSHS-B99-10-14.5 (12)	Potassium	680	B	11	NA	NA	NA
DUP-05	Potassium	760	NA		NA	NA	NA
SSHS-B99-10-14.5 (12)	Selenium	0.46	J	NC	NA	NA	NA
DUP-05	Selenium	0.27	U		NA	NA	NA
SSHS-B99-10-14.5 (12)	Sodium	82	J,B	NC	NA	NA	NA
DUP-05	Sodium	91	J,B		NA	NA	NA
SSHS-B99-10-14.5 (12)	Vanadium	9.2	B	18	NA	NA	NA
DUP-05	Vanadium	11	NA		NA	NA	NA
SSHS-B99-10-14.5 (12)	Zinc	79	B	7	NA	NA	NA
DUP-05	Zinc	74	B		NA	NA	NA
SSHS-B99-10-14.5 (12)	The other metals	ND	NA	0	NA	NA	NA
DUP-05	The other metals	ND	NA		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Aluminum	7100	NA	3	NA	NA	NA
DUP-06	Aluminum	6900	NA		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Arsenic	7.3	NA	0	NA	NA	NA
DUP-06	Arsenic	7.3	NA		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Barium	54	NA	17	NA	NA	NA
DUP-06	Barium	64	NA		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Beryllium	0.29	J	NC	NA	NA	NA
DUP-06	Beryllium	0.27	J		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Cadmium	0.047	J	NC	NA	NA	NA
DUP-06	Cadmium	0.053	J		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Calcium	17000	NA	67	17000	J	7

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result**	**Validation Qualifier**	**Reason Code**
DUP-06	Calcium	34000	NA		34000	J	7
SSHS-B29-A-2-6 (4.5)	Chromium	10	B	21	NA	NA	NA
DUP-06	Chromium	8.1	B		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Cobalt	6.1	NA	7	NA	NA	NA
DUP-06	Cobalt	5.7	NA		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Copper	18	NA	24	NA	NA	NA
DUP-06	Copper	23	NA		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Iron	16000	NA	6	NA	NA	NA
DUP-06	Iron	17000	NA		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Lead	10	NA	26	NA	NA	NA
DUP-06	Lead	13	NA		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Magnesium	3500	NA	37	NA	NA	NA
DUP-06	Magnesium	5100	NA		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Manganese	290	NA	22	NA	NA	NA
DUP-06	Manganese	360	NA		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Nickel	100	B	52	100	J	7
DUP-06	Nickel	59	B		59	J	7
SSHS-B29-A-2-6 (4.5)	Potassium	590	NA	13	NA	NA	NA
DUP-06	Potassium	670	NA		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Selenium	0.45	J	NC	NA	NA	NA
DUP-06	Selenium	0.34	J		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Sodium	52	J,B	NC	NA	NA	NA
DUP-06	Sodium	67	J,B		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Vanadium	10	NA	4	NA	NA	NA
DUP-06	Vanadium	9.6	NA		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	Zinc	52	B	6	NA	NA	NA
DUP-06	Zinc	55	B		NA	NA	NA
SSHS-B29-A-2-6 (4.5)	The other metals	ND	NA	0	NA	NA	NA
DUP-06	The other metals	ND	NA		NA	NA	NA

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	RPD	Validation Result	Validation Qualifier	Reason Code
SSHS-B73-6-10 (8)	Aluminum	6200	NA	2	NA	NA	NA
DUP-07	Aluminum	6100	NA		NA	NA	NA
SSHS-B73-6-10 (8)	Arsenic	5.9	NA	39	NA	NA	NA
DUP-07	Arsenic	8.8	NA		NA	NA	NA
SSHS-B73-6-10 (8)	Barium	54	B	23	NA	NA	NA
DUP-07	Barium	68	NA		NA	NA	NA
SSHS-B73-6-10 (8)	Beryllium	0.25	J	NC	NA	NA	NA
DUP-07	Beryllium	0.26	J		NA	NA	NA
SSHS-B73-6-10 (8)	Cadmium	0.086	J	NC	NA	NA	NA
DUP-07	Cadmium	0.093	J		NA	NA	NA
SSHS-B73-6-10 (8)	Calcium	31000	B	34	NA	NA	NA
DUP-07	Calcium	22000	NA		NA	NA	NA
SSHS-B73-6-10 (8)	Chromium	8.0	NA	0	NA	NA	NA
DUP-07	Chromium	8.0	B		NA	NA	NA
SSHS-B73-6-10 (8)	Cobalt	5.6	NA	19	NA	NA	NA
DUP-07	Cobalt	6.8	NA		NA	NA	NA
SSHS-B73-6-10 (8)	Copper	25	NA	8	NA	NA	NA
DUP-07	Copper	23	NA		NA	NA	NA
SSHS-B73-6-10 (8)	Iron	15000	B	13	NA	NA	NA
DUP-07	Iron	17000	NA		NA	NA	NA
SSHS-B73-6-10 (8)	Lead	13	NA	107	13	J	7
DUP-07	Lead	43	NA		43	J	7
SSHS-B73-6-10 (8)	Magnesium	6700	B	6	NA	NA	NA
DUP-07	Magnesium	7100	NA		NA	NA	NA
SSHS-B73-6-10 (8)	Manganese	390	NA	58	390	J	7
DUP-07	Manganese	710	NA		710	J	7
SSHS-B73-6-10 (8)	Nickel	15	NA	6	NA	NA	NA
DUP-07	Nickel	16	B		NA	NA	NA
SSHS-B73-6-10 (8)	Potassium	620	B	5	NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result**	**Validation Qualifier**	**Reason Code**
DUP-07	Potassium	650	NA		NA	NA	NA
SSHS-B73-6-10 (8)	Selenium	0.37	J	NC	NA	NA	NA
DUP-07	Selenium	0.45	J		NA	NA	NA
SSHS-B73-6-10 (8)	Sodium	140	J,B	NC	NA	NA	NA
DUP-07	Sodium	130	J,B		NA	NA	NA
SSHS-B73-6-10 (8)	Vanadium	10	NA	10	NA	NA	NA
DUP-07	Vanadium	11	NA		NA	NA	NA
SSHS-B73-6-10 (8)	Zinc	59	B	2	NA	NA	NA
DUP-07	Zinc	60	B		NA	NA	NA
SSHS-B73-6-10 (8)	The other metals	ND	NA	0	NA	NA	NA
DUP-07	The other metals	ND	NA		NA	NA	NA
SSHS-B90-2-6 (4)	Aluminum	8100	NA	9	NA	NA	NA
DUP-08	Aluminum	8900	NA		NA	NA	NA
SSHS-B90-2-6 (4)	Arsenic	6.8	NA	5	NA	NA	NA
DUP-08	Arsenic	6.5	NA		NA	NA	NA
SSHS-B90-2-6 (4)	Barium	84	B	1	NA	NA	NA
DUP-08	Barium	85	NA		NA	NA	NA
SSHS-B90-2-6 (4)	Beryllium	0.39	J	NC	NA	NA	NA
DUP-08	Beryllium	0.38	J		NA	NA	NA
SSHS-B90-2-6 (4)	Cadmium	0.11	J,B	NC	NA	NA	NA
DUP-08	Cadmium	0.083	J		NA	NA	NA
SSHS-B90-2-6 (4)	Calcium	3900	NA	29	NA	NA	NA
DUP-08	Calcium	2900	NA		NA	NA	NA
SSHS-B90-2-6 (4)	Chromium	9.9	NA	11	NA	NA	NA
DUP-08	Chromium	11	B		NA	NA	NA
SSHS-B90-2-6 (4)	Cobalt	5.8	J	NC	NA	NA	NA
DUP-08	Cobalt	5.9	NA		NA	NA	NA
SSHS-B90-2-6 (4)	Copper	39	NA	3	NA	NA	NA
DUP-08	Copper	40	NA		NA	NA	NA

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	RPD	Validation Result	Validation Qualifier	Reason Code
SSHS-B90-2-6 (4)	Iron	17000	NA	0	NA	NA	NA
DUP-08	Iron	17000	NA		NA	NA	NA
SSHS-B90-2-6 (4)	Lead	42	NA	27	NA	NA	NA
DUP-08	Lead	32	NA		NA	NA	NA
SSHS-B90-2-6 (4)	Magnesium	2100	NA	5	NA	NA	NA
DUP-08	Magnesium	2000	NA		NA	NA	NA
SSHS-B90-2-6 (4)	Manganese	320	NA	3	NA	NA	NA
DUP-08	Manganese	330	NA		NA	NA	NA
SSHS-B90-2-6 (4)	Nickel	21	NA	38	NA	NA	NA
DUP-08	Nickel	31	B		NA	NA	NA
SSHS-B90-2-6 (4)	Potassium	520	J,B	NC	NA	NA	NA
DUP-08	Potassium	560	J		NA	NA	NA
SSHS-B90-2-6 (4)	Selenium	0.69	J	NC	NA	NA	NA
DUP-08	Selenium	0.42	J		NA	NA	NA
SSHS-B90-2-6 (4)	Sodium	180	J,B	NC	NA	NA	NA
DUP-08	Sodium	180	J,B		NA	NA	NA
SSHS-B90-2-6 (4)	Vanadium	13	B	14	NA	NA	NA
DUP-08	Vanadium	15	NA		NA	NA	NA
SSHS-B90-2-6 (4)	Zinc	76	B	1	NA	NA	NA
DUP-08	Zinc	75	B		NA	NA	NA
SSHS-B90-2-6 (4)	The other metals	ND	NA	0	NA	NA	NA
DUP-08	The other metals	ND	NA		NA	NA	NA
SSHS-B89-2-6 (5)	Aluminum	9400	NA	16	NA	NA	NA
DUP-09	Aluminum	11000	NA		NA	NA	NA
SSHS-B89-2-6 (5)	Arsenic	7.0	NA	18	NA	NA	NA
DUP-09	Arsenic	8.4	NA		NA	NA	NA
SSHS-B89-2-6 (5)	Barium	90	NA	0	NA	NA	NA
DUP-09	Barium	90	NA		NA	NA	NA
SSHS-B89-2-6	Beryllium	0.45	NA	11	NA	NA	NA

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	RPD	Validation Result	Validation Qualifier	Reason Code
(5)							
DUP-09	Beryllium	0.50	NA		NA	NA	NA
SSHS-B89-2-6 (5)	Cadmium	0.062	J,B	NC	NA	NA	NA
DUP-09	Cadmium	0.032	J		NA	NA	NA
SSHS-B89-2-6 (5)	Calcium	1200	NA	8	NA	NA	NA
DUP-09	Calcium	1300	NA		NA	NA	NA
SSHS-B89-2-6 (5)	Chromium	10	NA	18	NA	NA	NA
DUP-09	Chromium	12	B		NA	NA	NA
SSHS-B89-2-6 (5)	Cobalt	7.2	NA	9	NA	NA	NA
DUP-09	Cobalt	7.9	NA		NA	NA	NA
SSHS-B89-2-6 (5)	Copper	14	NA	19	NA	NA	NA
DUP-09	Copper	17	NA		NA	NA	NA
SSHS-B89-2-6 (5)	Iron	19000	NA	10	NA	NA	NA
DUP-09	Iron	21000	NA		NA	NA	NA
SSHS-B89-2-6 (5)	Lead	13	NA	0	NA	NA	NA
DUP-09	Lead	13	NA		NA	NA	NA
SSHS-B89-2-6 (5)	Magnesium	2300	NA	8	NA	NA	NA
DUP-09	Magnesium	2500	NA		NA	NA	NA
SSHS-B89-2-6 (5)	Manganese	560	NA	6	NA	NA	NA
DUP-09	Manganese	530	NA		NA	NA	NA
SSHS-B89-2-6 (5)	Nickel	15	B	6	NA	NA	NA
DUP-09	Nickel	16	B		NA	NA	NA
SSHS-B89-2-6 (5)	Potassium	590	B	35	NA	NA	NA
DUP-09	Potassium	840	NA		NA	NA	NA
SSHS-B89-2-6 (5)	Selenium	0.68	J	NC	NA	NA	NA
DUP-09	Selenium	0.55	J		NA	NA	NA
SSHS-B89-2-6 (5)	Sodium	160	J,B	NC	NA	NA	NA
DUP-09	Sodium	180	J,B		NA	NA	NA
SSHS-B89-2-6 (5)	Thallium	0.24	J	NC	NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result**	**Validation Qualifier**	**Reason Code**
DUP-09	Thallium	0.18	J		NA	NA	NA
SSHS-B89-2-6 (5)	Vanadium	14	NA	13	NA	NA	NA
DUP-09	Vanadium	16	NA		NA	NA	NA
SSHS-B89-2-6 (5)	Zinc	52	B	13	NA	NA	NA
DUP-09	Zinc	59	B		NA	NA	NA
SSHS-B89-2-6 (5)	The other metals	ND	NA	0	NA	NA	NA
DUP-09	The other metals	ND	NA		NA	NA	NA
SSHS-B85-10-15 (12.5)	Aluminum	6800	NA	0	NA	NA	NA
DUP-10	Aluminum	6800	NA		NA	NA	NA
SSHS-B85-10-15 (12.5)	Arsenic	6.9	NA	14	NA	NA	NA
DUP-10	Arsenic	7.9	NA		NA	NA	NA
SSHS-B85-10-15 (12.5)	Barium	96	B	29	NA	NA	NA
DUP-10	Barium	72	NA		NA	NA	NA
SSHS-B85-10-15 (12.5)	Beryllium	0.30	J	NC	NA	NA	NA
DUP-10	Beryllium	0.30	J		NA	NA	NA
SSHS-B85-10-15 (12.5)	Cadmium	0.10	J	NC	NA	NA	NA
DUP-10	Cadmium	0.11	J		NA	NA	NA
SSHS-B85-10-15 (12.5)	Calcium	1500	B	22	NA	NA	NA
DUP-10	Calcium	1200	NA		NA	NA	NA
SSHS-B85-10-15 (12.5)	Chromium	9.2	NA	3	NA	NA	NA
DUP-10	Chromium	8.9	B		NA	NA	NA
SSHS-B85-10-15 (12.5)	Cobalt	7.1	NA	7	NA	NA	NA
DUP-10	Cobalt	6.6	NA		NA	NA	NA
SSHS-B85-10-15 (12.5)	Copper	18	NA	20	NA	NA	NA
DUP-10	Copper	22	NA		NA	NA	NA
SSHS-B85-10-15 (12.5)	Iron	17000	B	0	NA	NA	NA
DUP-10	Iron	17000	NA		NA	NA	NA
SSHS-B85-10-15 (12.5)	Lead	9.3	NA	40	NA	NA	NA
DUP-10	Lead	14	NA		NA	NA	NA

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	RPD	Validation Result	Validation Qualifier	Reason Code
SSHS-B85-10-15 (12.5)	Magnesium	2300	B	0	NA	NA	NA
DUP-10	Magnesium	2300	NA		NA	NA	NA
SSHS-B85-10-15 (12.5)	Manganese	410	NA	2	NA	NA	NA
DUP-10	Manganese	420	NA		NA	NA	NA
SSHS-B85-10-15 (12.5)	Nickel	16	NA	6	NA	NA	NA
DUP-10	Nickel	15	B		NA	NA	NA
SSHS-B85-10-15 (12.5)	Potassium	720	B	9	NA	NA	NA
DUP-10	Potassium	790	NA		NA	NA	NA
SSHS-B85-10-15 (12.5)	Selenium	0.48	J	NC	NA	NA	NA
DUP-10	Selenium	0.28	U		NA	NA	NA
SSHS-B85-10-15 (12.5)	Sodium	110	J,B	NC	NA	NA	NA
DUP-10	Sodium	110	J,B		NA	NA	NA
SSHS-B85-10-15 (12.5)	Vanadium	12	NA	8	NA	NA	NA
DUP-10	Vanadium	13	NA		NA	NA	NA
SSHS-B85-10-15 (12.5)	Zinc	55	B	2	NA	NA	NA
DUP-10	Zinc	56	B		NA	NA	NA
SSHS-B85-10-15 (12.5)	The other metals	ND	NA	0	NA	NA	NA
DUP-10	The other metals	ND	NA		NA	NA	NA
SSHS-B83-2-6 (5.5)	Aluminum	11000	NA	0	NA	NA	NA
DUP-11	Aluminum	11000	NA		NA	NA	NA
SSHS-B83-2-6 (5.5)	Arsenic	8.9	NA	6	NA	NA	NA
DUP-11	Arsenic	8.4	NA		NA	NA	NA
SSHS-B83-2-6 (5.5)	Barium	71	B	30	NA	NA	NA
DUP-11	Barium	96	NA		NA	NA	NA
SSHS-B83-2-6 (5.5)	Beryllium	0.49	NA	10	NA	NA	NA
DUP-11	Beryllium	0.54	NA		NA	NA	NA
SSHS-B83-2-6 (5.5)	Cadmium	0.044	J	NC	NA	NA	NA
DUP-11	Cadmium	0.054	J		NA	NA	NA
SSHS-B83-2-6	Calcium	1200	B	34	NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result**	**Validation Qualifier**	**Reason Code**
(5.5)							
DUP-11	Calcium	1700	NA		NA	NA	NA
SSHS-B83-2-6 (5.5)	Chromium	12	NA	8	NA	NA	NA
DUP-11	Chromium	13	B		NA	NA	NA
SSHS-B83-2-6 (5.5)	Cobalt	9.0	NA	3	NA	NA	NA
DUP-11	Cobalt	9.3	NA		NA	NA	NA
SSHS-B83-2-6 (5.5)	Copper	16	NA	0	NA	NA	NA
DUP-11	Copper	16	NA		NA	NA	NA
SSHS-B83-2-6 (5.5)	Iron	21000	B	0	NA	NA	NA
DUP-11	Iron	21000	NA		NA	NA	NA
SSHS-B83-2-6 (5.5)	Lead	16	NA	0	NA	NA	NA
DUP-11	Lead	16	NA		NA	NA	NA
SSHS-B83-2-6 (5.5)	Magnesium	2700	B	0	NA	NA	NA
DUP-11	Magnesium	2700	NA		NA	NA	NA
SSHS-B83-2-6 (5.5)	Manganese	450	NA	6	NA	NA	NA
DUP-11	Manganese	480	NA		NA	NA	NA
SSHS-B83-2-6 (5.5)	Nickel	18	NA	0	NA	NA	NA
DUP-11	Nickel	18	B		NA	NA	NA
SSHS-B83-2-6 (5.5)	Potassium	690	B	12	NA	NA	NA
DUP-11	Potassium	780	NA		NA	NA	NA
SSHS-B83-2-6 (5.5)	Selenium	0.58	J	NC	NA	NA	NA
DUP-11	Selenium	0.82	J		NA	NA	NA
SSHS-B83-2-6 (5.5)	Sodium	150	J,B	NC	NA	NA	NA
DUP-11	Sodium	170	J,B		NA	NA	NA
SSHS-B83-2-6 (5.5)	Thallium	0.19	J	NC	NA	NA	NA
DUP-11	Thallium	0.16	U		NA	NA	NA
SSHS-B83-2-6 (5.5)	Vanadium	16	NA	6	NA	NA	NA
DUP-11	Vanadium	17	NA		NA	NA	NA
SSHS-B83-2-6 (5.5)	Zinc	54	B	4	NA	NA	NA

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	RPD	Validation Result	Validation Qualifier	Reason Code
DUP-11	Zinc	56	B		NA	NA	NA
SSHS-B83-2-6 (5.5)	The other metals	ND	NA	0	NA	NA	NA
DUP-11	The other metals	ND	NA		NA	NA	NA

mg/kg-miligram per kilogram
J-estimated concentration greater than the MDL and less than the RL
B-compound detected in both the method blank and sample
U-not detected at or above the MDL
NC-not applicable
ND-not detected at or above the MDL
NA-not applicable

7.9 Sensitivity

The samples were reported to the MDLs. No elevated nondetect results were reported. The MDLs and RLs were the same as those listed in Table C.1 in the QAPP.

7.10 Electronic Data Deliverables Review

Results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140813-EQUIPMENT BLANK-SOIL, was truncated to 20140813-EQUIPMENT BLANK-SO and the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II reports and the EDDs.

8.0 MERCURY

Sixty-one solid samples, eight field duplicate samples, five MS/MSD pairs and one equipment blank were analyzed for mercury per EPA Methods 7470A and 7471B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Method Blank

- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Source Blank
- ✓ Equipment Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ⊗ Electronic Data Deliverables Review

8.1 Overall Assessment

The mercury data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

8.2 Holding Times

The holding times for mercury analyses of water and solid samples are 28 days from sample collection to analysis. The holding times were met for the sample analyses.

8.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six method blanks were reported with the data (batches 115583, 115584, 115922, 115923, 115423 and 115924). Mercury was not detected in the method blanks above the MDL.

8.4 Matrix Spike/Matrix Spike Duplicate

Five sample set specific MS/MSD pairs, using samples SSHS-B82-2-6 (4), SSHS-B86-6-10 (8), SSHS-B73-2-6 (4), SSHS-B99-SS and SSHS-B29-A-2-6 (4.5) were reported. The MS/MSD pairs had recovery and RPD results within the QAPP specified acceptance criteria.

8.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Five LCSs and one LCS/LCSD pair were analyzed. The result for the LCSs and LCS/LCSD pair were within the QAPP specified acceptance criteria for recovery and RPD.

8.6 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. Mercury was not detected in the source blank above the MDL.

8.7 Equipment Blank

One equipment blank, 20140813-EQUIPMENT BLANK-SOIL, was collected with the samples. Mercury was not detected in the equipment blank above the MDL.

8.8 Field Duplicate

Eight field duplicate samples, DUP-04, DUP-05, DUP-06, DUP-07, DUP-08, DUP-09, DUP-10 and DUP-11, were collected with the sample set. Acceptable precision (RPD ≤50% for solid samples, if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B98-6-10 (7.5), SSHS-B99-10-14.5 (12), SSHS-B29-A-2-6 (4.5), SSHS-B73-6-10 (8), SSHS-B90-2-6 (4), SSHS-B89-2-6 (5), SSHS-B85-10-15 (12.5) and SSHS-B83-2-6 (5.5), respectively.

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	RPD
SSHS-B98-6-10 (7.5)	Mercury	0.026	J	NC
DUP-04	Mercury	0.019	J	
SSHS-B99-10-14.5 (12)	Mercury	0.012	J	NC
DUP-05	Mercury	0.011	J	
SSHS-B29-A-2-6 (4.5)	Mercury	0.020	J	NC
DUP-06	Mercury	0.025	J	
SSHS-B73-6-10 (8)	Mercury	0.012	U	NC
DUP-07	Mercury	0.038	NA	
SSHS-B90-2-6 (4)	Mercury	0.056	NA	NC
DUP-08	Mercury	0.032	J	
SSHS-B89-2-6 (5)	Mercury	0.020	J	NC
DUP-09	Mercury	0.029	J	
SSHS-B85-10-15 (12.5)	Mercury	0.015	J	NC
DUP-10	Mercury	0.017	J	
SSHS-B83-2-6 (5.5)	Mercury	0.060	NA	0

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	RPD
DUP-11	Mercury	0.056	NA	

mg/kg-miligram per kilogram
J-estimated concentration greater than the MDL and less than the RL
U-not detected at or above the MDL
NC-not applicable
NA-not applicable

8.9 Sensitivity

The samples were reported to the MDL. No elevated nondetect results were reported. The MDL and RL were the same as those listed in Table C.1 in the QAPP.

8.10 Electronic Data Deliverables Review

Results and sample IDs in the EDDs were reviewed against the information provided by the associated level II report at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140813-EQUIPMENT BLANK-SOIL, was truncated to 20140813-EQUIPMENT BLANK-SO in the EDD and the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II report and the EDDs.

9.0 CYANIDE

Sixty-one solid samples, eight field duplicate samples, four MS/MSD pairs and one equipment blank were analyzed for cyanide per EPA Methods 9010C/9014.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Blanks
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Source Blank
✓ Equipment Blank

- ✓ Field Duplicate
- ✓ Sensitivity
- ⊗ Electronic Data Deliverables Review

9.1 Overall Assessment

The cyanide data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

9.2 Holding Times

The holding time for cyanide analysis of a waters and solids is 14 days from sample collection to analysis. The holding times were met for the sample analyses.

9.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six method blanks were reported with the data (batches 115269, 115397, 115467, 115561, 115605 and 115650). Cyanide was not detected in the method blanks above the MDL.

9.4 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were analyzed at the proper frequency for the number and types of samples analyzed (one pair per batch of 20 samples). Three MSs, using samples SSHS-B85-6-10 (8), SSHS-91-10-15 (12.5) and SSHS-B29-A-10-12 (11.5) and four sample set specific MS/MSD pairs, using samples SSHS-B86-6-10 (8), SSHS-B82-2-6 (4), SSHS-B73-2-6 (4) and SSHS-B99-SS were reported. The MSs and MS/MSD pairs had recovery and RPD results within the laboratory specified acceptance criteria; there were no cyanide acceptance criteria in the QAPP.

9.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six LCSs, six low LCSs (LLCSs) and six high LCSs (HLCSs) were reported. The results for the LCSs, LLCSs and HCLSs were within the laboratory specified acceptance criteria for recovery; there were no cyanide acceptance criteria in the QAPP.

9.6 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. Cyanide was not detected in the source blank above the MDL.

9.7 Equipment Blank

One equipment blank, 20140813-EQUIPMENT BLANK-SOIL, was collected with the soil samples. Cyanide was not detected in the equipment blank above the MDL.

9.8 Field Duplicate

Eight field duplicate samples, DUP-04, DUP-05, DUP-06, DUP-07, DUP-08, DUP-09, DUP-10 and DUP-11, were collected with the sample set. Acceptable precision (RPD ≤50% for solid samples, if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B98-6-10 (7.5), SSHS-B99-10-14.5 (12), SSHS-B29-A-2-6 (4.5), SSHS-B73-6-10 (8), SSHS-B90-2-6 (4), SSHS-B89-2-6 (5), SSHS-B85-10-15 (12.5) and SSHS-B83-2-6 (5.5), respectively.

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**
SSHS-B98-6-10 (7.5)	Cyanide, Total	0.55	J	NC
DUP-04	Cyanide, Total	0.23	J	
SSHS-B99-10-14.5 (12)	Cyanide, Total	0.36	J	NC
DUP-05	Cyanide, Total	0.33	J	
SSHS-B29-A-2-6 (4.5)	Cyanide, Total	0.23	J	NC
DUP-06	Cyanide, Total	0.47	J	
SSHS-B73-6-10 (8)	Cyanide, Total	0.15	U	0
DUP-07	Cyanide, Total	0.15	U	
SSHS-B90-2-6 (4)	Cyanide, Total	0.37	J	NC
DUP-08	Cyanide, Total	0.18	U	
SSHS-B89-2-6 (5)	Cyanide, Total	0.16	U	0
DUP-09	Cyanide, Total	0.18	U	
SSHS-B85-10-15 (12.5)	Cyanide, Total	0.17	U	0
DUP-10	Cyanide, Total	0.16	U	
SSHS-B83-2-6 (5.5)	Cyanide, Total	0.17	U	NC
DUP-11	Cyanide, Total	0.20	J	

mg/kg-milligram per kilogram
J-estimated concentration less than the RL and greater than the MDL
U-not detected at or above the MDL
NC-not calculable

9.9 Sensitivity

The samples were reported to the MDLs. No elevated nondetect results were reported. MDLs and RLs were not listed for cyanide in Table C.1 in the QAPP.

9.10 Electronic Data Deliverables Review

Results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140812-EQUIPMENT BLANK-SOIL, was truncated to 20140812-EQUIPMENT BLANK-SO in the EDD and the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II reports and the EDDs.

---

* * * * *

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; however, the associated numerical value is likely to be higher that the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.
J-	The analyte was positively identified; however, the associated numerical value is likely to be lower that the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	Analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS recovery outside limits
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other

RPD-relative percent difference

ATTACHMENT 3
Organochlorine Pesticide Qualifications Due to RPDs between GC Columns

Sample ID	**Compound**	**Laboratory Concentration (µg/L)**	**Laboratory Flag**	**Validation Concentration (µg/L)**	**Validation Qualifier**	**Reason Code**
20140813-EQUIPMENT BLANK-SO	4,4'-DDD	0.00069	J,p	0.00069	J	13
20140813-EQUIPMENT BLANK-SO	Aldrin	0.0040	p	0.0040	J	13
20140813-EQUIPMENT BLANK-SO	Endosulfan sulfate	0.0015	p	0.0015	J	13
20140813-EQUIPMENT BLANK-SO	gamma-Chlordane	0.0021	NA	0.0021	J	13
20140813-EQUIPMENT BLANK-SO	Methoxychlor	0.0030	p	0.0030	J	13

µg/L-microgram per liter
p-laboratory flag indicating the RPD between the two columns is greater than 40% RPD; the lower concentration was reported
NA-not applicable

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-91-SS	delta-BHC	0.35	J,p	0.35	J	13
SSHS-91-SS	Dieldrin	0.57	J,p	0.57	J	13
SSHS-91-SS	Endrin	0.97	J,p	0.97	J	13
SSHS-91-SS	Endrin ketone	0.76	J,p	0.76	J	13
SSHS-91-SS	gamma-Chlordane	0.86	J,p	0.86	J	13
SSHS-B73-0.17-2 (1)	4,4'-DDD	0.86	J,p	1.9	U	13
SSHS-B73-0.17-2 (1)	alpha-Chlordane	1.0	J	1.9	U	13
SSHS-B73-0.17-2 (1)	delta-BHC	0.46	J,p	1.9	U	13
SSHS-B73-0.17-2 (1)	Endosulfan sulfate	0.23	J,p	1.9	U	13
SSHS-B73-0.17-2 (1)	Endrin	0.76	J,p	1.9	U	13
SSHS-B73-0.17-	gamma-	1.1	J,p	1.9	U	13

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
2 (1)	Chlordane					
SSHS-B73-0.17-2 (1)	Methoxychlor	2.0	J	3.7	U	13
SSHS-B73-10-15 (12.5)	4,4'-DDD	0.82	J,p	1.9	U	13
SSHS-B73-10-15 (12.5)	alpha-Chlordane	0.51	J,p	1.9	U	13
SSHS-B73-10-15 (12.5)	delta-BHC	0.66	J,p	1.9	U	13
SSHS-B73-10-15 (12.5)	Endrin	1.1	J,p	1.9	U	13
SSHS-B73-10-15 (12.5)	Endrin aldehyde	0.92	J,p	1.9	U	13
SSHS-B73-10-15 (12.5)	gamma-Chlordane	1.3	J,p	1.9	U	13
SSHS-B73-10-15 (12.5)	Heptachlor epoxide	0.91	J,p	1.9	U	13
SSHS-B73-10-15 (12.5)	Methoxychlor	1.1	J,p	1.9	U	13
SSHS-B73-2-6 (4)	delta-BHC	0.30	J,p	0.30	J	13
SSHS-B73-6-10 (8)	delta-BHC	0.32	J,p	1.8	U	13
SSHS-B73-6-10 (8)	Endrin	0.39	J,p	1.8	U	13
SSHS-B73-6-10 (8)	gamma-BHC (Lindane)	0.85	J	1.8	U	13
SSHS-B73-6-10 (8)	gamma-Chlordane	0.53	J,p	1.8	U	13
SSHS-B73-6-10 (8)	Heptachlor epoxide	0.40	J,p	1.8	U	13
SSHS-B74-0.17-2 (1.5)	4,4'-DDD	0.33	J,p	1.9	U	13
SSHS-B74-0.17-2 (1.5)	4,4'-DDE	0.32	J,p	1.9	U	13
SSHS-B74-0.17-2 (1.5)	4,4'-DDT	0.9	J,p	1.9	U	13
SSHS-B74-0.17-2 (1.5)	gamma-Chlordane	0.66	J,p	1.9	U	13
SSHS-B74-0.17-2 (1.5)	Methoxychlor	1.7	J	3.6	U	13
SSHS-B74-SS	Dieldrin	1.3	J,p	1.3	J	13
SSHS-B88-2-6 (4)	Endrin ketone	0.33	J,p	0.33	J	13
SSHS-B89-0.17-2 (1)	Endosulfan sulfate	0.51	J,p	1.8	U	13

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
SSHS-B89-0.17-2 (1)	Endrin ketone	0.29	J,p	1.8	U	13
SSHS-B90-0.17-2 (1)	4,4'-DDD	0.66	J,p	1.9	U	13
SSHS-B90-0.17-2 (1)	4,4'-DDT	0.35	J,p	1.9	U	13
SSHS-B90-0.17-2 (1)	delta-BHC	0.34	J,p	1.9	U	13
SSHS-B90-0.17-2 (1)	gamma-Chlordane	1.0	J,p	1.9	U	13
SSHS-B90-0.17-2 (1)	Heptachlor epoxide	0.39	J,p	1.9	U	13
SSHS-B90-2-6 (4)	4,4'-DDD	0.44	J,p	2	U	13
SSHS-B90-2-6 (4)	4,4'-DDT	0.35	J,p	2	U	13
SSHS-B90-2-6 (4)	Endosulfan sulfate	0.23	J,p	2	U	13
SSHS-B90-2-6 (4)	Endrin	0.81	J	2	U	13
SSHS-B90-2-6 (4)	gamma-Chlordane	0.60	J,p	2.0	U	13
DUP-04	4,4'-DDD	1.3	J	1.9	U	13
DUP-04	Endosulfan sulfate	0.22	J,p	1.9	U	13
DUP-04	Methoxychlor	1.2	J,p	1.9	U	13
DUP-05	Endosulfan sulfate	0.3	J,p	1.8	U	13
DUP-05	Endrin	0.55	J,p	1.8	U	13
DUP-06	alpha-Chlordane	0.35	J,p	1.8	U	13
DUP-06	Dieldrin	1.8	NA	1.8	U	13
DUP-06	Endosulfan sulfate	4.0	NA	4.0	U	13
DUP-06	Endrin	9.9	p	9.9	U	13
DUP-06	Endrin aldehyde	0.75	J,p	1.8	U	13
DUP-06	Endrin ketone	2.8	p	2.8	U	13
DUP-06	gamma-Chlordane	14	p	14	U	13
DUP-06	Heptachlor	0.44	J,p	1.8	U	13
DUP-06	Heptachlor epoxide	7.8	p	7.8	U	13
DUP-06	Methoxychlor	5.1	p	5.1	U	13
DUP-07	4,4'-DDD	0.45	J,p	1.8	U	13
DUP-07	4,4'-DDT	0.87	J	1.8	U	13

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
DUP-07	alpha-Chlordane	0.38	J,p	1.8	U	13
DUP-07	delta-BHC	0.61	J,p	1.8	U	13
DUP-07	Endosulfan sulfate	0.29	J	1.8	U	13
DUP-07	Endrin	0.70	J,p	1.8	U	13
DUP-07	gamma-BHC (Lindane)	1.6	J	1.8	U	13
DUP-07	gamma-Chlordane	1.3	J,p	1.8	U	13
DUP-07	Heptachlor epoxide	0.95	J,p	1.8	U	13
DUP-08	gamma-Chlordane	1.2	J	2.1	U	13
DUP-10	Methoxychlor	0.66	J	3.6	U	13
DUP-11	Endrin ketone	0.51	J	2.0	U	13
SSHS-B29-A-0.17-2 (1.5)	4,4'-DDD	2.0	p	2.0	U	13
SSHS-B29-A-0.17-2 (1.5)	Aldrin	5.9	p	5.9	U	13
SSHS-B29-A-0.17-2 (1.5)	alpha-Chlordane	1.2	J,p	1.9	U	13
SSHS-B29-A-0.17-2 (1.5)	Endosulfan I	4.7	NA	4.7	U	13
SSHS-B29-A-0.17-2 (1.5)	Endosulfan II	1.8	J,p	1.9	U	13
SSHS-B29-A-0.17-2 (1.5)	Endosulfan sulfate	7.1	p	7.1	U	13
SSHS-B29-A-0.17-2 (1.5)	Endrin	30	p	30	U	13
SSHS-B29-A-0.17-2 (1.5)	Endrin aldehyde	2.6	p	2.6	U	13
SSHS-B29-A-0.17-2 (1.5)	gamma-Chlordane	23	p	23	U	13
SSHS-B29-A-0.17-2 (1.5)	Heptachlor	1.9	p	1.9	U	13
SSHS-B29-A-0.17-2 (1.5)	Heptachlor epoxide	39	p	39	U	13
SSHS-B29-A-0.17-2 (1.5)	Methoxychlor	20	p	20	U	13
SSHS-B29-A-10-12 (11.5)	4,4'-DDD	0.66	J,p	1.8	U	13
SSHS-B29-A-10-12 (11.5)	4,4'-DDT	0.34	J,p	1.8	U	13
SSHS-B29-A-10-12 (11.5)	Endosulfan sulfate	0.19	J,p	1.8	U	13

Sample ID	Compound	Laboratory Concentration (μg/kg)	Laboratory Flag	Validation Concentration (μg/kg)	Validation Qualifier	Reason Code
SSHS-B29-A-10-12 (11.5)	Methoxychlor	1.9	J,p	1.8	U	13
SSHS-B29-A-2-6 (4.5)	alpha-Chlordane	1.3	J,p	1.8	U	13
SSHS-B29-A-2-6 (4.5)	Dieldrin	2.1	p	2.1	U	13
SSHS-B29-A-2-6 (4.5)	Endosulfan II	0.90	J,p	1.8	U	13
SSHS-B29-A-2-6 (4.5)	Endosulfan sulfate	5.9	NA	5.9	U	13
SSHS-B29-A-2-6 (4.5)	Endrin	16	p	16	U	13
SSHS-B29-A-2-6 (4.5)	Endrin aldehyde	2.0	p	2.0	U	13
SSHS-B29-A-2-6 (4.5)	Endrin ketone	4.4	p	4.4	U	13
SSHS-B29-A-2-6 (4.5)	gamma-Chlordane	25	p	25	U	13
SSHS-B29-A-2-6 (4.5)	Heptachlor	1.1	J,p	1.5	U	13
SSHS-B29-A-2-6 (4.5)	Heptachlor epoxide	15	p	15	U	13
SSHS-B29-A-2-6 (4.5)	Methoxychlor	1.3	J,p	1.8	U	13
SSHS-B29-A-8-10 (8.5)	4,4'-DDD	1.1	J,p	1.8	U	13
SSHS-B29-A-8-10 (8.5)	alpha-Chlordane	0.63	J,p	1.8	U	13
SSHS-B29-A-8-10 (8.5)	delta-BHC	1.9	NA	1.9	U	13
SSHS-B29-A-8-10 (8.5)	Endosulfan sulfate	1.3	J,p	1.8	U	13
SSHS-B29-A-8-10 (8.5)	Endrin	5.1	p	5.1	U	13
SSHS-B29-A-8-10 (8.5)	Endrin aldehyde	0.55	J,p	1.8	U	13
SSHS-B29-A-8-10 (8.5)	Endrin ketone	1.5	J,p	1.8	U	13
SSHS-B29-A-8-10 (8.5)	gamma-Chlordane	4.8	p	4.8	U	13
SSHS-B29-A-8-10 (8.5)	Heptachlor epoxide	5.4	p	5.4	U	13
SSHS-B29-A-SS	4,4'-DDD	1.0	J,p	2.2	U	13
SSHS-B29-A-SS	alpha-BHC	0.50	J	2.2	U	13
SSHS-B29-A-SS	alpha-Chlordane	0.46	J,p	2.2	U	13

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B29-A-SS	beta-BHC	0.58	J,p	2.2	U	13
SSHS-B29-A-SS	Endosulfan II	0.81	J,p	2.2	U	13
SSHS-B29-A-SS	Endosulfan sulfate	2.0	J,p	2.2	U	13
SSHS-B29-A-SS	Endrin	11	p	11	U	13
SSHS-B29-A-SS	Endrin ketone	2.9	p	2.9	U	13
SSHS-B29-A-SS	gamma-Chlordane	16	NA	16	U	13
SSHS-B29-A-SS	Heptachlor	1.2	J,p	2.2	U	13
SSHS-B29-A-SS	Heptachlor epoxide	17	NA	17	U	13
SSHS-B29-A-SS	Methoxychlor	7.6	p	7.6	U	13
SSHS-B97-0.17-2 (1)	4,4'-DDT	0.46	J,p	0.46	J	13
SSHS-B97-2-6 (5)	alpha-Chlordane	0.38	J,p	1.9	U	13
SSHS-B97-2-6 (5)	Endosulfan II	0.41	J,p	1.9	U	13
SSHS-B97-2-6 (5)	Endrin	0.54	J,p	1.9	U	13
SSHS-B97-2-6 (5)	gamma-Chlordane	2.0	NA	2.0	U	13
SSHS-B97-2-6 (5)	Heptachlor epoxide	0.47	J,p	1.9	U	13
SSHS-B98-0.17-2 (1)	4,4'-DDD	0.65	J,p	2.2	U	13
SSHS-B98-0.17-2 (1)	Endosulfan II	0.39	J,p	2.2	U	13
SSHS-B98-0.17-2 (1)	Endosulfan sulfate	0.71	J,p	2.2	U	13
SSHS-B98-0.17-2 (1)	Endrin	5.6	p	5.6	U	13
SSHS-B98-0.17-2 (1)	gamma-Chlordane	6.8	NA	6.8	U	13
SSHS-B98-0.17-2 (1)	Heptachlor epoxide	1.9	J,p	2.2	U	13
SSHS-B98-0.17-2 (1)	Methoxychlor	2.8	J,p	2.2	U	13
SSHS-B98-SS	4,4'-DDD	0.88	J,p	2.3	U	13
SSHS-B98-SS	Dieldrin	0.73	J,p	2.3	U	13
SSHS-B98-SS	Endosulfan I	0.98	J	2.3	U	13
SSHS-B98-SS	Endosulfan sulfate	0.58	J,p	2.3	U	13
SSHS-B98-SS	Endrin	7.0	p	7.0	U	13
SSHS-B98-SS	Endrin aldehyde	0.73	J,p	2.3	U	13

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B98-SS	Endrin ketone	0.66	J,p	2.3	U	13
SSHS-B98-SS	gamma-Chlordane	7.4	p	7.4	U	13
SSHS-B98-SS	Heptachlor epoxide	3.8	p	3.8	U	13
SSHS-B98-SS	Methoxychlor	4.5	p	4.5	U	13
SSHS-B99-0.17-2 (1)	4,4'-DDD	0.62	J,p	2	U	13
SSHS-B99-0.17-2 (1)	4,4'-DDT	4.8	p	4.8	U	13
SSHS-B99-0.17-2 (1)	alpha-Chlordane	0.56	J,p	2.0	U	13
SSHS-B99-0.17-2 (1)	Endosulfan II	1.0	J,p	2.0	U	13
SSHS-B99-0.17-2 (1)	Endosulfan sulfate	2.6	p	2.6	U	13
SSHS-B99-0.17-2 (1)	Endrin	23	NA	23	U	13
SSHS-B99-0.17-2 (1)	Endrin aldehyde	1.7	J,p	2.0	U	13
SSHS-B99-0.17-2 (1)	Endrin ketone	2.3	p	2.3	U	13
SSHS-B99-0.17-2 (1)	gamma-Chlordane	19	p	19	U	13
SSHS-B99-0.17-2 (1)	Heptachlor epoxide	11	p	11	U	13
SSHS-B99-0.17-2 (1)	Methoxychlor	7.3	p	7.3	U	13
SSHS-B99-10-14.5 (12)	Endosulfan sulfate	0.29	J,p	1.8	U	13
SSHS-B99-10-14.5 (12)	Endrin	0.55	J,p	1.8	U	13
SSHS-B99-2-6 (4)	4,4'-DDD	0.66	J,p	2.0	U	13
SSHS-B99-2-6 (4)	alpha-Chlordane	0.83	J,p	2.0	U	13
SSHS-B99-2-6 (4)	Dieldrin	1.6	J,p	2.0	U	13
SSHS-B99-2-6 (4)	Endosulfan II	1.1	J,p	2.0	U	13
SSHS-B99-2-6 (4)	Endosulfan sulfate	2.6	p	2.6	U	13
SSHS-B99-2-6 (4)	Endrin	15	p	15	U	13
SSHS-B99-2-6 (4)	Endrin ketone	2.2	p	2.2	U	13

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B99-2-6 (4)	gamma-Chlordane	11	p	11	U	13
SSHS-B99-2-6 (4)	Heptachlor epoxide	12	p	12	U	13
SSHS-B99-6-10 (8)	4,4'-DDD	1.3	J,p	1.9	U	13
SSHS-B99-6-10 (8)	alpha-Chlordane	0.97	J,p	1.9	U	13
SSHS-B99-6-10 (8)	beta-BHC	0.49	J,p	1.9	U	13
SSHS-B99-6-10 (8)	Dieldrin	6.8	NA	6.8	U	13
SSHS-B99-6-10 (8)	Endosulfan II	1.4	J,p	1.9	U	13
SSHS-B99-6-10 (8)	Endosulfan sulfate	3.8	p	3.8	U	13
SSHS-B99-6-10 (8)	Endrin	30	NA	30	U	13
SSHS-B99-6-10 (8)	Endrin ketone	2.7	p	2.7	U	13
SSHS-B99-6-10 (8)	gamma-Chlordane	20	p	20	U	13
SSHS-B99-6-10 (8)	Heptachlor epoxide	12	p	12	U	13
SSHS-B99-6-10 (8)	Methoxychlor	0.83	J,p	1.9	U	13
SSHS-B99-SS	4,4'-DDD	1.7	J,p	2.2	U	13
SSHS-B99-SS	Endosulfan II	0.95	J,p	2.2	U	13
SSHS-B99-SS	Endosulfan sulfate	1.2	J,p	2.2	U	13
SSHS-B99-SS	Endrin	7.4	p	7.4	U	13
SSHS-B99-SS	Endrin ketone	1.6	J,p	2.2	U	13
SSHS-B99-SS	gamma-Chlordane	6.2	p	6.2	U	13
SSHS-B99-SS	Heptachlor epoxide	13	NA	13	U	13
SSHS-B99-SS	Methoxychlor	5.7	p	5.7	U	13

µg/kg-microgram per kilogram
p-laboratory flag indicating the RPD between the two columns is greater than 40% RPD; the lower concentration was reported
J-estimated concentration less than the RL and greater than the MDL
NA-not applicable

Geosyntec
consultants

2240 Sutherland Avenue, Suite 107
Knoxville, TN 37919
PH 865.330.0037
FAX 865.330.9949
www.geosyntec.com

Memorandum

Date:	30 October 2014
To:	Aron Krasnopler
From:	Mary Tyler Kristoffer Henderson
CC:	J. Caprio
Subject:	**Stage 2A Data Validation - Level II Data Deliverables – Volatile Organic Compounds by EPA Methods 5030C/8260C and 5035/8260C, Semivolatile Organic Compounds by EPA Methods 3520C/8270D and 3541/8270D, Organochlorine Pesticides by EPA Methods 3510C/8081B and 3541/8081B, Polychlorinated Biphenyls by EPA Methods 3510C/8082A and 3541/8082A, Gasoline Range Organics by EPA Methods 5030C/8015D, Diesel Range Organics by EPA Methods 3520C/8015D, Metals by EPA Methods 3005A/6010C and 3050B/6010C, Mercury by EPA Methods 7470A and 7471B, Cyanide by EPA Methods 9010C/9014 and Percent Moisture/Solids by Standard Method 2540G – TestAmerica Work Order Numbers 180-35818-1 and 180-35818-2**

SITE: Former Sperry Remington Site-North

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of seventy-five solid samples, eight solid field duplicate samples, one groundwater sample, four matrix spike/matrix spike duplicate (MS/MSD) pairs, one equipment blank and one trip blank, collected on August 14, 2014, as part of the Former Sperry Remington Site-North sampling event. The analyses were performed at TestAmerica Laboratories, Inc., Pittsburgh, Pennsylvania. The samples were analyzed for the following tests:

- EPA Methods 5030C/8260C and 5035/8260C - Volatile Organic Compounds (VOCs) and Tentatively Identified Compounds (TICs)
- EPA Methods 3520C/8270D and 3541/8270D - Semivolatile Organic Compounds (SVOCs) and TICs
- EPA Methods 3510C/8081B and 3541/8081B – Organochlorine Pesticides
- EPA Methods 3510C/8082A and 3541/8082A - Polychlorinated Biphenyls (PCBs)

- EPA Methods 5030C/8015D - Gasoline Range Organics (GRO)
- EPA Methods 3520C/8015D - Diesel Range Organics (DRO)
- EPA Methods 3005A/6010C and 3050B/6010C – Metals
- EPA Methods 7470A and 7471B – Mercury
- EPA Methods 9010C/9014 - Cyanide
- Standard Method 2540G - Percent Moisture/Solids

EXECUTIVE SUMMARY

The samples were handled, prepared and measured in the same manner under similar prescribed conditions.

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below, the data as qualified are usable for meeting project objectives, with the following exceptions.

The concentration of hexachlorocyclopentadiene in sample SSHS-B26-A-GW-18-22 was R qualified as rejected based on MS/MSD recoveries less than 20% and technical and professional judgment. In addition, the concentrations of benzaldehyde in samples DUP-18 and DUP-19 were R qualified as rejected based on laboratory control sample (LCS) recovery less than 20% and technical and professional judgment.

All other qualified data should be used within the limitations of the qualification.

The organic data were reviewed based on the Quality Assurance Project Plan (QAPP)/Field Sampling Plan (FSP), Former Sperry Remington Site-North Portion, 777 South Main Street, City of Elmira, Chemung County, NY, NYSDEC Project 808022, Geosyntec Project Number MN0832, July 2014, Agency Review Draft, USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008 (USEPA-540-R-08-01), as well as by the pertinent methods referenced by the data package and professional and technical judgment.

The inorganic data were reviewed based on the QAPP/FSP, USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, OSWER 9240.1-51, EPA 540-R-10-011, January 2010, as well as by the pertinent methods referenced by the data package and professional and technical judgment.

The following samples were analyzed and validated at a Stage 2A level in the data set:

Laboratory ID	Client ID
180-35818-1	SSHS-B65-0.17-2 (1)
180-35818-2	SSHS-B65-4-6 (4)
180-35818-3	SSHS-B65-8-10 (9)
180-35818-4	SSHS-B65-10-12 (11)
180-35818-5	SSHS-B66-0.17-2 (1)
180-35818-6	SSHS-B66-2-4 (3)
180-35818-7	SSHS-B66-6-8R (7)
180-35818-8	SSHS-B67-0.17-2 (1)
180-35818-9	SSHS-B67-2-6 (4.5)
180-35818-9MS	SSHS-B67-2-6 (4.5)MS
180-35818-9MSD	SSHS-B67-2-6 (4.5)MSD
180-35818-10	SSHS-B67-8-10 (9)
180-35818-11	SSHS-B67-10-12 (11)
180-35818-12	SSHS-B68-0.17-2 (1)
180-35818-13	SSHS-B68-2-6 (5.5)
180-35818-14	SSHS-B68-6-8R (6.5)
180-35818-15	SSHS-B69-0.17-2 (1)
180-35818-16	SSHS-B69-2-4 (4)
180-35818-17	SSHS-B69-4-6R (5)
180-35818-18	SSHS-B83-0.17-2 (1)
180-35818-19	SSHS-B84-0.17-2 (1)
180-35818-20	SSHS-B84-2-6 (4)
180-35818-21	SSHS-B84-6-10 (8)
180-35818-22	SSHS-B84-10-14 (12)
180-35818-23	SSHS-B87-0.17-2 (1.5)
180-35818-24	SSHS-B87-2-6 (5)
180-35818-25	SSHS-B87-6-10 (8)
180-35818-26	SSHS-B87-10-15 (12)
180-35818-27	SSHS-B81-0.17-2 (1.5)
180-35818-28	SSHS-B81-2-6 (4)
180-35818-29	SSHS-B81-6-10 (8)
180-35818-30	SSHS-B81-10-13.5 (10.5)
180-35818-31	SSHS-B76-SS
180-35818-32	SSHS-B76-0.17-2 (1.5)
180-35818-33	SSHS-B76-2-6 (5)
180-35818-34	SSHS-B76-6-10 (8)
180-35818-35	SSHS-B76-10-15 (12.5)
180-35818-36	SSHS-B77-SS
180-35818-37	SSHS-B77-0.17-2 (1.5)
180-35818-38	SSHS-B77-2-6 (5)
180-35818-39	SSHS-B77-6-10 (8)
180-35818-40	SSHS-B77-10-15 (12.5)
180-35818-41	SSHS-B75-SS
180-35818-42	SSHS-B75-0.17-2 (1.5)
180-35818-43	SSHS-B75-2-6 (3)
180-35818-43MS	SSHS-B75-2-6 (3)MS
180-35818-43MSD	SSHS-B75-2-6 (3)MSD
180-35818-44	SSHS-B75-6-10 (8)
180-35818-45	SSHS-B75-10-15 (12.5)
180-35818-46	SSHS-B64-0.17-2 (1)
180-35818-47	SSHS-B64-4-6 (5)
180-35818-48	SSHS-B64-6-9 (9)
180-35818-49	SSHS-B64-10-12 (11)
180-35818-50	SSHS-B101-0.17-2 (1)
180-35818-51	SSHS-B101-3-6 (4)
180-35818-52	SSHS-B101-8-10 (9)
180-35818-53	SSHS-B101-12-15.5R (15)
180-35818-54	SSHS-B26-A-SS
180-35818-55	SSHS-B26-A-0.17-2 (0.5)
180-35818-56	SSHS-B26-A-2-6 (2)
180-35818-57	SSHS-B26-A-6-8 (7)
180-35818-58	SSHS-B26-A-13.5-15.5 (15)
180-35818-59	SSHS-B70-SS
180-35818-60	SSHS-B70-0.17-2 (1)
180-35818-61	SSHS-B70-2-6 (3.5)
180-35818-62	SSHS-B70-6-10 (7.5)
180-35818-63	SSHS-B70-10-14 (12.5)
180-35818-64	SSHS-B80-0.17-2 (1)
180-35818-65	SSHS-B80-2-6 (5)
180-35818-66	SSHS-B80-6-10 (8)
180-35818-67	SSHS-B80-10-14.5 (12.5)
180-35818-68	SSHS-B79-0.17-2 (1)
180-35818-69	SSHS-B79-2-6 (4.5)
180-35818-69MS	SSHS-B79-2-6 (4.5)MS
180-35818-69MSD	SSHS-B79-2-6 (4.5)MSD
180-35818-70	SSHS-B79-6-10 (8)
180-35818-71	SSHS-B79-10-15 (12.5)
180-35818-72	SSHS-B78-0.17-2 (1.5)
180-35818-73	SSHS-B78-2-6 (3.5)
180-35818-74	SSHS-B78-6-10 (8)
180-35818-75	SSHS-B78-10-15 (12)
180-35818-76	DUP-12
180-35818-77	DUP-13
180-35818-78	DUP-14
180-35818-79	DUP-15
180-35818-80	DUP-16
180-35818-81	DUP-17
180-35818-82	DUP-18
180-35818-83	DUP-19

Laboratory ID	Client ID
180-35818-84	SSHS-B26-A-GW-18-22
180-35818-84MS	SSHS-B26-A-GW-18-22MS
180-35818-84MSD	SSHS-B26-A-GW-18-22MSD
180-35818-85	20140814-EQUIPMENT BLANK- S
180-35818-86	TRIP BLANK

The samples were received at the laboratory at temperatures within the QAPP criteria of <6°C. No sample preservation issues were noted by the laboratory.

Incorrect error corrections were observed on the chain of custody (COC). The proper procedure of a single strike-through correction and initials and date of the person making the correction was not followed.

No times of collection were listed on the COC for the trip blank and field duplicate samples. The laboratory assigned the collection times of 00:00.

It was noted that the time of laboratory receipt noted on the COC was 13:15; the laboratory reports indicated that the time of laboratory receipt was 9:10. This discrepancy did not have an impact on the sample analyses.

It was noted that the sample ID for the equipment blank, 20140814-EQUIPMENT BLANK-SOIL, was truncated to 20140814-EQUIPMENT BLANK-S in the electronic data deliverable (EDD). In addition, the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC.

The solids data, used to report the samples on a dry weight bases, were not validated. In addition, TICs were reported with the VOC and SVOC data. As there is no validation guidance for TICs, the TIC data were not validated.

1.0 VOLATILE ORGANIC COMPOUNDS

Seventy-five solid samples, eight field duplicate samples, one groundwater sample, four MS/MSD pairs, one equipment blank and one trip blank were analyzed for VOCs per EPA Methods 5030C/8260C and 5035/8260C.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ⊗ Laboratory Control Sample
- ✓ Surrogates
- ✓ Trip Blank
- ✓ Source Blank
- ✓ Equipment Blank
- ✓ Field Duplicate
- ⊗ Sensitivity
- ⊗ Electronic Data Deliverables Review

1.1 Overall Assessment

The VOC data reported in this package are considered to be usable for meeting project objectives. The analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

1.2 Holding Times

The holding times for a solid sample are 48 hours from collection to extraction and 14 days from collection to analysis. The holding time for a preserved water sample is 14 days from collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Eleven method blanks were reported with the data (batches 115034, 115168, 115346, 115538, 115910, 115669, 115716, 115779, 115838, 115842 and 115874). VOCs were not detected in the method blanks above the method detection limits (MDLs).

1.4 Matrix Spike/Matrix Spike Duplicate

Four sample set specific MS/MSD pairs, using samples SSHS-B67-2-6 (4.5), SSHS-B26-A-GW-18-22, SSHS-B75-2-6 (3) and SSHS-B79-2-6 (4.5) were reported. The MS/MSD pairs had recovery and relative percent difference (RPD) results within the QAPP and laboratory (for 1,4-

dioxane and 1,2,3-trichlorobenzene only) specified acceptance criteria, with the following exceptions.

The recovery of carbon tetrachloride in the MSD and the RPD of 1,1-dichloroethene in the MS/MSD pair using sample SSHS-B67-2-6 (4.5) were high and outside the QAPP specified acceptance criteria. Since carbon tetrachloride and 1,1-dichloroethene were not detected in sample SSHS-B67-2-6 (4.5), no qualifications were applied to the data.

1.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Seven LCSs and four LCS/LCS duplicate (LCSD) pairs were reported. The results for the LCSs and LCS/LCSD pairs were within the QAPP and laboratory (for 1,4-dioxane and 1,2,3-trichlorobenzene only) specified acceptance criteria for recovery and RPD, with the following exceptions.

The recovery of cis-1,3-dichloropropene in the LCSD and the RPDs of 1,2-dibromoethane and 4-methyl-2-pentanone in the LCS/LCSD pair were high and outside the QAPP specified acceptance criteria in batch 115716. Since these three compounds were not detected in the associated samples, no qualifications were applied to the data.

One or both recoveries of carbon tetrachloride, trans-1,2-dichloroethene, 1,1,1-trichloroethane and 1,1,2-trichloro-1,2,2-trifluoroethane in the LCS/LCSD pair were high and outside the QAPP specified acceptance criteria in batch 115779. Since these four compounds were not detected in the associated samples, no qualifications were applied to the data.

The recoveries of bromomethane and chloroethane in the LCSD and the RPD of chloroethane in the LCS/LCSD pair were high and outside the QAPP specified acceptance criteria in batch 115842. Also, the recovery of 1,2-dibromoethane in the LCSD was low and outside the QAPP specified acceptance criteria. Since bromomethane and chloroethane were not detected in the associated samples, no qualifications were applied to the bromomethane and chloroethane data. However, the undetected value of 1,2-dibromoethane in the associated sample was UJ qualified as estimated less than the MDL.

One or both recoveries of carbon tetrachloride, trans-1,2-dichloroethene, 1,1,1-trichloroethane and 1,1,2-trichloro-1,2,2-trifluoroethane in the LCS/LCSD pair were high and outside the QAPP specified acceptance criteria in batch 115874. Since carbon tetrachloride, trans-1,2-dichloroethene and 1,1,1-trichloroethane were not detected in the associated samples, no qualifications were applied to the carbon tetrachloride, trans-1,2-dichloroethene and 1,1,1-

trichloroethane data. However, the detected concentration of 1,1,2-trichloro-1,2,2-trifluoroethane in the associated sample was J qualified as estimated.

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**Validation Result (µg/kg)**	**Validation Qualifier[1]**	**Reason Code[2]**
SSHS-B26-A-SS	1,2-Dibromoethane	36	U,*	36	UJ	5
DUP-16	1,1,2-Trichloro-1,2,2-trifluoroethane	9.2	*	9.2	J	5

µg/kg-microgram per kilogram
U-not detected at the reported MDL
*-LCS/LCSD recovery or RPD exceeds the control limits
[1]-Validation qualifiers are defined in Attachment 1 at the end of this report
[2]-Reason codes are defined in Attachment 2 at the end of this report

1.6 Surrogates

Acceptable surrogate recoveries were reported for the sample analyses, with the following exception.

The recovery of dibromofluoromethane in sample DUP-17 was high and outside the laboratory specified acceptance criteria. Since the other three surrogate recoveries were within the laboratory specified acceptance criteria for sample DUP-17, no qualifications were applied to the data, based on technical and professional judgment.

1.7 Trip Blank

One trip blank, TRIP BLANK, accompanied the sample shipment. VOCs were not detected in the trip blank above the MDLs.

1.8 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. VOCs were not detected in the source blank above the MDLs.

1.9 Equipment Blank

An equipment blank, 20140814-EQUIPMENT BLANK- SOIL, was collected with the sample set. VOCs were not detected in the equipment blank above the MDLs.

1.10 Field Duplicate

Eight field duplicate samples, DUP-12, DUP-13, DUP-14, DUP-15, DUP-16, DUP-17, DUP-18 and DUP-19, were collected with the sample set. Acceptable precision [RPD ≤50% if both results are greater than five times the reporting limit (RL)] was demonstrated between the field duplicates and the original samples, SSHS-B81-2-6 (4), SSHS-B84-6-10 (8), SSHS-B78-2-6 (3.5), SSHS-B80-2-6 (5), SSHS-B26-A-13.5-15.5 (15), SSHS-B101-3-6 (4), SSHS-B69-4-6R (5) and SSHS-B77-6-10 (8), respectively.

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**RPD**
SSHS-B81-2-6 (4)	The VOCs	ND	NA	0
DUP-12	The VOCs	ND	NA	
SSHS-B84-6-10 (8)	The VOCs	ND	NA	0
DUP-13	The VOCs	ND	NA	
SSHS-B78-2-6 (3.5)	The VOCs	ND	NA	0
DUP-14	The VOCs	ND	NA	
SSHS-B80-2-6 (5)	The VOCs	ND	NA	0
DUP-15	The VOCs	ND	NA	
SSHS-B26-A-13.5-15.5 (15)	1,1,2-Trichloro-1,2,2-trifluoroethane	1.2	J	NC
DUP-16	1,1,2-Trichloro-1,2,2-trifluoroethane	9.2	*	
SSHS-B26-A-13.5-15.5 (15)	Trichloroethene	0.55	U	NC
DUP-16	Trichloroethene	1.1	J	
SSHS-B26-A-13.5-15.5 (15)	The VOCs	ND	NA	0
DUP-16	The VOCs	ND	NA	
SSHS-B101-3-6 (4)	Trichloroethene	3.4	J	NC
DUP-17	Trichloroethene	3.3	J	
SSHS-B101-3-6 (4)	The VOCs	ND	NA	0
DUP-17	The VOCs	ND	NA	
SSHS-B69-4-6R (5)	The VOCs	ND	NA	0
DUP-18	The VOCs	ND	NA	
SSHS-B77-6-10 (8)	The VOCs	ND	NA	0
DUP-19	The VOCs	ND	NA	

µg/kg-microgram per kilogram
U-not detected at the reported MDL
J-estimated concentration less than the RL and greater than the MDL
*-LCS/LCSD recovery or RPD exceeds the control limits
NC-not calculable
ND-not detected at the MDL
NA-not applicable

1.11 Sensitivity

The samples were reported to the MDLs. No elevated nondetect results were reported.

The MDLs and RLs were the same as those listed in Tables C.1 and C.2 in the QAPP. It was noted that total 1,2-dichloroethene and total xylenes were not reported by the laboratory, but cis- and trans- 1,2-dichloroethene and o- and m&p- xylenes were reported. The summation of the MDLs and RLs for cis- and trans-1,2-dichloroethene and o- and m-&p-xylene were within the QAPP criteria for total 1,2-dichloroethene and total xylenes, respectively. In addition, 1,4-dioxane and 1,2,3-trichlorobenzene were reported by the laboratory, but not listed in Tables C.1 and C.2 in the QAPP.

The water sample MDLs for 1,2-dibromo-3-chloropropane and 1,2-dibromoethane were greater than the screening criteria listed in Table C.2 of the QAPP.

Compound	**Laboratory MDL (µg/L)**	**QAPP Screening Criteria (µg/L)**
1,2-Dibromoethane	0.18	0.00060
1,2-Dibromo-3-Chloropropane	0.14	0.040

µg/L-microgram per liter

1.12 Electronic Data Deliverables Review

Results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140814-EQUIPMENT BLANK-SOIL, was truncated to 20140814-EQUIPMENT BLANK-S in the EDD and the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II reports and the EDDs.

2.0 SEMIVOLATILE ORGANIC COMPOUNDS

Seventy-five solid samples, eight solid field duplicate samples, one groundwater sample and one equipment blank was analyzed for SVOCs per EPA Methods 3520C/8270D and 3541/8270D.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Times
✓ Method Blank
⊗ Matrix Spike/Matrix Spike Duplicate
⊗ Laboratory Control Sample
✓ Surrogates
⊗ Source Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity
⊗ Electronic Data Deliverables Review

2.1 Overall Assessment

2.1.1 Completeness

The SVOC data reported in this package are considered to be usable for meeting project objectives, with the following exceptions. The concentration of hexachlorocyclopentadiene in sample SSHS-B26-A-GW-18-22 was rejected based on MS/MSD recoveries less than 20% and technical and professional judgment. The concentrations of benzaldehyde in samples DUP-18 and DUP-19 were rejected based on LCS recovery less than 20% and technical and professional judgment. The analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 99.96%.

2.1.2 Analysis Anomaly

Sample SSHS-B70-6-10 (7.5) was reported at both an undiluted analysis and 1:4 dilution. The concentration of fluoranthene in the undiluted analysis was E flagged by the laboratory indicating the result exceeded the calibration range. Therefore, the fluoranthene result was the only result validated from the 1:5 dilution. The remaining compounds were validated from the undiluted analysis. The results not considered for validation were set to not reportable in the EDD with qualifier file (a column was added to the EDD with qualifier file).

2.2 Holding Times

The holding times for SVOC analysis of a solid sample are 14 days from sample collection to extraction and 40 days from extraction to analysis. The holding times for SVOC analysis of a water sample are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Seven method blanks were reported with the data (batch 116124, 116125, 116222, 116244, 116269, 115091 and 115557). SVOCs were not detected in the method blanks above the MDLs.

2.4 Matrix Spike/Matrix Spike Duplicate

Six sample set specific MS/MSD pairs, using sample DUP-17, SSHS-B67-2-6 (4.5), SSHS-B26-A-GW-18-22, SSHS-B75-2-6 (3), SSHS-B79-2-6 (4.5) and SSHS-B84-6-10 (8) were reported. The MS/MSD pairs had recovery and RPD results within the QAPP and laboratory (for 1,4-dioxane, 1,2,4,5-tetrachlorobenzene and 2,3,4,6-tetrachlorophenol only) specified acceptance criteria, with the following exceptions.

The recoveries of benzaldehyde in the MS/MSD pairs using samples SSHS-B67-2-6 (4.5), SSHS-B75-2-6 (3), SSHS-B79-2-6 (4.5) and DUP-17 were low and outside the QAPP specified acceptance criteria. Therefore, the undetected values of benzaldehyde in these samples were UJ qualified as estimated less than the MDL and the detected concentration was J qualified as estimated.

One or both recoveries of butyl benzyl phthalate, chrysene, 2,4-dimethylphenol, 2-methylnaphthalene, 2-methylphenol and pyrene in the MS/MSD pair using sample SSHS-B26-A-GW-18-22 were low and outside the QAPP specified acceptance criteria. In addition, the recoveries of hexachlorocyclopentadiene were less than 20% (both 1%) and outside the QAPP specified acceptance criteria. Therefore, the undetected values of butyl benzyl phthalate, chrysene, 2,4-dimethylphenol, 2-methylnaphthalene, 2-methylphenol and pyrene in sample SSHS-B26-A-GW-18-22 were UJ qualified as estimated less than the MDLs and the detected concentrations were J qualified as estimated. The undetected value of hexachlorocyclopentadiene in sample SSHS-B26-A-GW-18-22 was R qualified as rejected, due to professional and technical judgment and recoveries less than 20%.

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**Validation Result (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B67-2-6 (4.5)	Benzaldehyde	60	U	60	UJ	4
DUP-17	Benzaldehyde	100	J,*	100	J	4
SSHS-B75-2-6 (3)	Benzaldehyde	57	U	57	UJ	4
SSHS-B79-2-6 (4.5)	Benzaldehyde	54	U	54	UJ	4

µg/kg-micrograms per kilogram

U-not detected at or above the MDL
J-estimated concentration greater than the MDL and less than the RL
*- LCS or LCSD exceeds the control limits

Sample ID	Compound	Laboratory Result (µg/L)	Laboratory Flag	Validation Result (µg/L)	Validation Qualifier	Reason Code
SSHS-B26-A-GW-18-22	2,4-Dimethylphenol	0.082	U	0.082	UJ	4
SSHS-B26-A-GW-18-22	2-Methylnaphthalene	0.012	U	0.012	UJ	4
SSHS-B26-A-GW-18-22	2-Methylphenol	0.083	U	0.083	UJ	4
SSHS-B26-A-GW-18-22	Butyl benzyl phthalate	0.14	U	0.14	UJ	4
SSHS-B26-A-GW-18-22	Chrysene	7.0	NA	7.0	J	4
SSHS-B26-A-GW-18-22	Hexachlorocyclopentadiene	0.050	U	0.050	R	4
SSHS-B26-A-GW-18-22	Pyrene	3.5	NA	3.5	J	4

µg/L-microgram per liter
U-not detected at or above the MDL
NA-not applicable

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six LCSs and one LCS/LCSD pair were reported. The results for the LCSs and LCS/LCSD pair were within the QAPP and laboratory (for 1,4-dioxane, 1,2,4,5-tetrachlorobenzene and 2,3,4,6-tetrachlorophenol only) specified acceptance criteria for recovery and RPD, with the following exceptions.

The recovery of benzaldehyde in the LCS in batch 116125 was low and outside the QAPP specified acceptance criteria. Therefore, the undetected values of benzaldehyde in the associated samples were UJ qualified as estimated less than the MDL and the detected concentration was J qualified as estimated.

The recovery of benzaldehyde in the LCS in batch 116269 was less than 20% (10%) and outside the QAPP specified acceptance criteria. Therefore, the undetected values of benzaldehyde in the associated samples were R qualified as rejected and the detected concentration was J qualified as estimated, due to professional and technical judgment and recoveries less than 20%.

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**Validation Result (µg/kg)**	**Validation Qualifier**	**Reason Code**
DUP-17	Benzaldehyde	100	J,*	100	J	5
DUP-18	Benzaldehyde	280	U,*	280	R	5
DUP-19	Benzaldehyde	53	U,*	53	R	5
SSHS-B76-0.17-2 (1.5)	Benzaldehyde	56	U,*	56	UJ	5
SSHS-B76-10-15 (12.5)	Benzaldehyde	53	U,*	53	UJ	5
SSHS-B76-2-6 (5)	Benzaldehyde	57	U,*	57	UJ	5
SSHS-B76-6-10 (8)	Benzaldehyde	52	U,*	52	UJ	5
SSHS-B76-SS	Benzaldehyde	61	U,*	61	UJ	5
SSHS-B77-0.17-2 (1.5)	Benzaldehyde	53	U,*	53	UJ	5
SSHS-B77-10-15 (12.5)	Benzaldehyde	52	U,*	52	UJ	5
SSHS-B77-2-6 (5)	Benzaldehyde	54	U,*	54	UJ	5
SSHS-B77-6-10 (8)	Benzaldehyde	53	U,*	53	UJ	5
SSHS-B77-SS	Benzaldehyde	61	U,*	61	UJ	5
SSHS-B81-0.17-2 (1.5)	Benzaldehyde	55	U,*	55	UJ	5
SSHS-B81-10-13.5 (10.5)	Benzaldehyde	56	U,*	56	UJ	5
SSHS-B81-2-6 (4)	Benzaldehyde	55	U,*	55	UJ	5
SSHS-B81-6-10 (8)	Benzaldehyde	57	U,*	57	UJ	5
SSHS-B84-10-14 (12)	Benzaldehyde	53	U,*	53	UJ	5
SSHS-B84-6-10 (8)	Benzaldehyde	54	U,*	54	UJ	5
SSHS-B87-0.17-2 (1.5)	Benzaldehyde	55	U,*	55	UJ	5
SSHS-B87-10-15 (12)	Benzaldehyde	55	U,*	55	UJ	5
SSHS-B87-2-6 (5)	Benzaldehyde	57	U,*	57	UJ	5
SSHS-B87-6-10 (8)	Benzaldehyde	56	U,*	56	UJ	5

µg/kg-microgram per kilogram
U-not detected at or above the MDL
J-estimated concentration greater than the MDL and less than the RL
*- LCS or LCSD exceeds the control limits

2.6 Surrogate

Acceptable surrogate recoveries were reported for the sample analyses.

2.7 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. SVOCs were not detected in the source blank above the MDLs, with the following exceptions.

Bis(2-ethylhexyl) phthalate (soil equivalent concentration 22 µg/kg) and butyl benzyl phthalate (soil equivalent concentration 5.3 µg/kg) were detected at estimated concentrations greater than the MDL and less than the RL in the source blank. Since the soil equivalent concentrations for these compounds were less than the MDLs for the associated samples, no qualifications were applied to the soil samples. However, the estimated concentrations of bis(2-ethylhexyl) phthalate and butyl benzyl phthalate in the equipment blank were U qualified as not detected at the RLs.

Sample ID	**Compound**	**Laboratory Result (µg/L)**	**Laboratory Flag**	**Validation Result (µg/L)**	**Validation Qualifier**	**Reason Code**
20140814-EQUIPMENT BLANK-SOIL	Bis(2-ethylhexyl) phthalate	1.3	J	1.9	U	3
20140814-EQUIPMENT BLANK-SOIL	Butyl benzyl phthalate	0.67	J	0.93	U	3

µg/L-microgram per liter
J-estimated concentration greater than the MDL and less than the RL
NA-not applicable

2.8 Equipment Blank

One equipment blank, 20140814-EQUIPMENT BLANK- SOIL, was collected with the samples. SVOCS were not detected in the equipment blank above the MDLs, with the following exceptions.

Bis(2-ethylhexyl) phthalate, butyl benzyl phthalate and phenol were detected at estimated concentrations greater than the MDLs and less than the RLs in the equipment blank. Since the concentrations of bis(2-ethylhexyl) phthalate and butyl benzyl phthalate in the equipment blank were U qualified as not detected at the RLs and phenol was not detected in the associated samples, no qualifications were applied to the data.

2.9 Field Duplicate

Eight field duplicate samples, DUP-12, DUP-13, DUP-14, DUP-15, DUP-16, DUP-17, DUP-18 and DUP-19, were collected with the sample set. Acceptable precision (RPD ≤50% if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B81-2-6 (4), SSHS-B84-6-10 (8), SSHS-B78-2-6 (3.5), SSHS-B80-2-6 (5), SSHS-B26-A-13.5-15.5 (15), SSHS-B101-3-6 (4), SSHS-B69-4-6R (5) and SSHS-B77-6-10 (8), respectively, with the following exception.

The RPD for phenanthrene was >50% for field duplicate pair SSHS-B101-3-6 (4)/DUP-17 and the concentrations were greater than five times the RL. Therefore, the concentrations of phenanthrene in the field duplicate pair were J qualified as estimated. The other compounds/field duplicate pairs with RPDs greater than 50% had one or both sample concentrations less than five times the RL; therefore, per the specifications of the QAPP, no qualifications were applied to the data for these compounds.

Sample ID	**Compound**	**Laboratory Result (μg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result (μg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B81-2-6 (4)	The SVOCs	ND	NA	0	NA	NA	NA
DUP-12	The SVOCs	ND	NA		NA	NA	NA
SSHS-B84-6-10 (8)	The SVOCs	ND	NA	0	NA	NA	NA
DUP-13	The SVOCs	ND	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	2-Methylnaphthalene	58	J	NC	NA	NA	NA
DUP-14	2-Methylnaphthalene	51	J		NA	NA	NA
SSHS-B78-2-6 (3.5)	Acenaphthene	13	J	NC	NA	NA	NA
DUP-14	Acenaphthene	9.1	J		NA	NA	NA
SSHS-B78-2-6 (3.5)	Acenaphthylene	170	NA	19	NA	NA	NA
DUP-14	Acenaphthylene	140	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Anthracene	260	NA	54	NA	NA	NA
DUP-14	Anthracene	150	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Benzo[a]anthracene	700	NA	30	NA	NA	NA
DUP-14	Benzo[a]anthracene	520	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Benzo[a]pyrene	750	NA	29	NA	NA	NA
DUP-14	Benzo[a]pyrene	560	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Benzo[b]fluoranthene	820	NA	31	NA	NA	NA
DUP-14	Benzo[b]fluoranthene	600	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Benzo[g,h,i]perylene	790	NA	24	NA	NA	NA
DUP-14	Benzo[g,h,i]perylene	620	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Benzo[k]fluoranthene	340	NA	13	NA	NA	NA
DUP-14	Benzo[k]fluoranthene	300	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Carbazole	61	J	NC	NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result (µg/kg)**	**Validation Qualifier**	**Reason Code**
DUP-14	Carbazole	32	J		NA	NA	NA
SSHS-B78-2-6 (3.5)	Chrysene	680	NA	29	NA	NA	NA
DUP-14	Chrysene	510	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Dibenz(a,h)anthracene	170	NA	19	NA	NA	NA
DUP-14	Dibenz(a,h)anthracene	140	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Dibenzofuran	57	J	NC	NA	NA	NA
DUP-14	Dibenzofuran	45	J		NA	NA	NA
SSHS-B78-2-6 (3.5)	Fluoranthene	1200	NA	36	NA	NA	NA
DUP-14	Fluoranthene	830	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Fluorene	35	J	NC	NA	NA	NA
DUP-14	Fluorene	27	J		NA	NA	NA
SSHS-B78-2-6 (3.5)	Indeno[1,2,3-cd]pyrene	630	NA	25	NA	NA	NA
DUP-14	Indeno[1,2,3-cd]pyrene	490	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Naphthalene	230	NA	24	NA	NA	NA
DUP-14	Naphthalene	180	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Phenanthrene	520	NA	34	NA	NA	NA
DUP-14	Phenanthrene	370	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Pyrene	1000	NA	29	NA	NA	NA
DUP-14	Pyrene	750	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	The other SVOCs	ND	NA	0	NA	NA	NA
DUP-14	The other SVOCs	ND	NA		NA	NA	NA
SSHS-B80-2-6 (5)	The SVOCs	ND	NA	0	NA	NA	NA
DUP-15	The SVOCs	ND	NA		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Fluoranthene	18	J	NC	NA	NA	NA
DUP-16	Fluoranthene	7.6	U		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Phenanthrene	18	J	NC	NA	NA	NA
DUP-16	Phenanthrene	11	U		NA	NA	NA
SSHS-B26-	Pyrene	11	J	NC	NA	NA	NA

Sample ID	Compound	Laboratory Result (µg/kg)	Laboratory Flag	RPD	Validation Result (µg/kg)	Validation Qualifier	Reason Code
A-13.5-15.5 (15)							
DUP-16	Pyrene	7.2	U		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	The other SVOCs	ND	NA	0	NA	NA	NA
DUP-16	The other SVOCs	ND	NA		NA	NA	NA
SSHS-B101-3-6 (4)	1,1'-Biphenyl	45	J	NC	NA	NA	NA
DUP-17	1,1'-Biphenyl	35	U		NA	NA	NA
SSHS-B101-3-6 (4)	2-Methylnaphthalene	370	NA	60	NA	NA	NA
DUP-17	2-Methylnaphthalene	200	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Acetophenone	94	J	NC	NA	NA	NA
DUP-17	Acetophenone	32	U		NA	NA	NA
SSHS-B101-3-6 (4)	Anthracene	33	J	NC	NA	NA	NA
DUP-17	Anthracene	7.6	U		NA	NA	NA
SSHS-B101-3-6 (4)	Benzaldehyde	140	J	NC	NA	NA	NA
DUP-17	Benzaldehyde	100	J,*		NA	NA	NA
SSHS-B101-3-6 (4)	Benzo[a]anthracene	110	NA	23	NA	NA	NA
DUP-17	Benzo[a]anthracene	87	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Benzo[a]pyrene	84	NA	NC	NA	NA	NA
DUP-17	Benzo[a]pyrene	48	J		NA	NA	NA
SSHS-B101-3-6 (4)	Benzo[b]fluoranthene	150	NA	7	NA	NA	NA
DUP-17	Benzo[b]fluoranthene	140	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Benzo[g,h,i]perylene	140	NA	0	NA	NA	NA
DUP-17	Benzo[g,h,i]perylene	140	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Benzo[k]fluoranthene	37	J	NC	NA	NA	NA
DUP-17	Benzo[k]fluoranthene	35	J		NA	NA	NA
SSHS-B101-3-6 (4)	Chrysene	310	NA	30	NA	NA	NA
DUP-17	Chrysene	230	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Dibenz(a,h)anthracene	41	J	NC	NA	NA	NA
DUP-17	Dibenz(a,h)anthracene	8.7	U		NA	NA	NA
SSHS-B101-	Dibenzofuran	130	J	NC	NA	NA	NA

Sample ID	Compound	Laboratory Result (µg/kg)	Laboratory Flag	RPD	Validation Result (µg/kg)	Validation Qualifier	Reason Code
3-6 (4)							
DUP-17	Dibenzofuran	72	J		NA	NA	NA
SSHS-B101-3-6 (4)	Fluoranthene	160	NA	13	NA	NA	NA
DUP-17	Fluoranthene	140	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Indeno[1,2,3-cd]pyrene	65	J	NC	NA	NA	NA
DUP-17	Indeno[1,2,3-cd]pyrene	46	J		NA	NA	NA
SSHS-B101-3-6 (4)	Naphthalene	140	NA	33	NA	NA	NA
DUP-17	Naphthalene	100	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Phenanthrene	770	NA	63	770	J	7
DUP-17	Phenanthrene	400	NA		400	J	7
SSHS-B101-3-6 (4)	Pyrene	140	NA	24	NA	NA	NA
DUP-17	Pyrene	110	NA		NA	NA	NA
SSHS-B101-3-6 (4)	The other SVOCs	ND	NA	0	NA	NA	NA
DUP-17	The other SVOCs	ND	NA		NA	NA	NA
SSHS-B69-4-6R (5)	1,1'-Biphenyl	37	J	NC	NA	NA	NA
DUP-18	1,1'-Biphenyl	170	U		NA	NA	NA
SSHS-B69-4-6R (5)	2-Methylnaphthalene	270	NA	NC	NA	NA	NA
DUP-18	2-Methylnaphthalene	330	J		NA	NA	NA
SSHS-B69-4-6R (5)	Acenaphthene	37	J	NC	NA	NA	NA
DUP-18	Acenaphthene	36	U		NA	NA	NA
SSHS-B69-4-6R (5)	Acenaphthylene	150	NA	NC	NA	NA	NA
DUP-18	Acenaphthylene	43	U		NA	NA	NA
SSHS-B69-4-6R (5)	Anthracene	130	NA	NC	NA	NA	NA
DUP-18	Anthracene	86	J		NA	NA	NA
SSHS-B69-4-6R (5)	Benzo[a]anthracene	320	NA	NC	NA	NA	NA
DUP-18	Benzo[a]anthracene	240	J		NA	NA	NA
SSHS-B69-4-6R (5)	Benzo[a]pyrene	260	NA	NC	NA	NA	NA
DUP-18	Benzo[a]pyrene	190	J		NA	NA	NA
SSHS-B69-4-6R (5)	Benzo[b]fluoranthene	370	NA	NC	NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result (µg/kg)**	**Validation Qualifier**	**Reason Code**
DUP-18	Benzo[b]fluoranthene	220	J		NA	NA	NA
SSHS-B69-4-6R (5)	Benzo[g,h,i]perylene	320	NA	NC	NA	NA	NA
DUP-18	Benzo[g,h,i]perylene	190	J		NA	NA	NA
SSHS-B69-4-6R (5)	Benzo[k]fluoranthene	140	NA	NC	NA	NA	NA
DUP-18	Benzo[k]fluoranthene	200	J		NA	NA	NA
SSHS-B69-4-6R (5)	Carbazole	33	J	NC	NA	NA	NA
DUP-18	Carbazole	34	U		NA	NA	NA
SSHS-B69-4-6R (5)	Chrysene	440	NA	NC	NA	NA	NA
DUP-18	Chrysene	300	J		NA	NA	NA
SSHS-B69-4-6R (5)	Dibenz(a,h)anthracene	91	NA	NC	NA	NA	NA
DUP-18	Dibenz(a,h)anthracene	41	U		NA	NA	NA
SSHS-B69-4-6R (5)	Dibenzofuran	84	J	NC	NA	NA	NA
DUP-18	Dibenzofuran	180	U		NA	NA	NA
SSHS-B69-4-6R (5)	Fluoranthene	440	NA	NC	NA	NA	NA
DUP-18	Fluoranthene	330	J		NA	NA	NA
SSHS-B69-4-6R (5)	Fluorene	53	J	NC	NA	NA	NA
DUP-18	Fluorene	49	U		NA	NA	NA
SSHS-B69-4-6R (5)	Indeno[1,2,3-cd]pyrene	230	NA	NC	NA	NA	NA
DUP-18	Indeno[1,2,3-cd]pyrene	180	J		NA	NA	NA
SSHS-B69-4-6R (5)	Naphthalene	190	NA	NC	NA	NA	NA
DUP-18	Naphthalene	260	J		NA	NA	NA
SSHS-B69-4-6R (5)	Phenanthrene	310	NA	NC	NA	NA	NA
DUP-18	Phenanthrene	300	J		NA	NA	NA
SSHS-B69-4-6R (5)	Pyrene	380	NA	NC	NA	NA	NA
DUP-18	Pyrene	320	J		NA	NA	NA
SSHS-B69-4-6R (5)	The other SVOCs	ND	NA	0	NA	NA	NA
DUP-18	The other SVOCs	ND	NA		NA	NA	NA
SSHS-B77-6-10 (8)	The SVOCs	ND	NA	0	NA	NA	NA
DUP-19	The SVOCs	ND	NA		NA	NA	NA

µg/kg-microgram per kilogram
U-not detected at or above the MDL
J-estimated concentration greater than the MDL and less than the RL
*- LCS or LCSD exceeds the control limits
NC-not calculable
ND-not detected at or above the MDL
NA-not applicable

2.10 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were reported for samples SSHS-B66-6-8R (7), DUP-18 and SSHS-B75-0.17-2 (1.5) due to the dilutions analyzed.

The MDLs and RLs reported were the same as those listed in Table C.1 in the QAPP. In addition, 1,4-dioxane, 1,2,4,5-tetrachlorobenzene and 2,3,4,6-tetrachlorophenol were reported by the laboratory, but not listed in Table C.1 in the QAPP.

2.11 Electronic Data Deliverables Review

Results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140814-EQUIPMENT BLANK-SOIL, was truncated to 20140814-EQUIPMENT BLANK-S in the EDD and the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II reports and the EDDs.

3.0 ORGANOCHLORINE PESTICIDES

Seventy-five solid samples, eight solid field duplicate samples, five MS/MSD pairs and one equipment blank were analyzed for organochlorine pesticides per EPA Methods 3510C/8081B and 3541/8081B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Time
✓ Method Blank
⊗ Matrix Spike/Matrix Spike Duplicate

- ✓ Laboratory Control Sample
- ✓ Surrogates
- ⊗ Source Blank
- ✓ Equipment Blank
- ⊗ Field Duplicate
- ⊗ Sensitivity
- ⊗ Electronic Data Deliverables Review

3.1 Overall Assessment

3.1.1 Completeness

The organochlorine pesticide data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

3.1.2 Analysis Anomalies

The samples were analyzed on two different gas chromatography (GC) columns, per the method protocol. Both PCBs and organochlorine pesticides were reported in the samples. Review of the raw data indicated that PCBs 1248 and 1260 were present in the samples; based on professional and technical judgment, the detections of the multi-peak PCBs resulted in false positives for some of the single peak organochlorine pesticides. Therefore, based on professional and technical judgment, for organochlorine pesticides with RPD results between the two columns greater than 25%, the estimated concentrations of the organochlorine pesticides were U qualified as not detected at the RL and concentrations greater than the RL were U qualified as not detected at the reported concentration. The qualifications are summarized in Attachment 3.

In addition, both estimated pesticide concentrations and concentrations above the RL were flagged by the laboratory with p, indicating the RPD between the two columns was greater than 40% RPD and the lower concentration was reported; PCBs were reported as not detected in these samples. Therefore, based on professional and technical judgment, the p-flagged concentrations were J qualified as estimated. These qualifications are also summarized in Attachment 3.

3.2 Holding Times

The holding times for the pesticide analysis of solids are 14 days from sample collection to extraction and 40 days from extraction to analysis. The holding times for pesticide analysis of waters are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

3.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six method blanks were reported with the data (batches 116007, 116127, 116128, 116262, 116270 and 115137). Organochlorine pesticides were not detected in the method blanks above the MDLs.

3.4 Matrix Spike/Matrix Spike Duplicate

Five sample set specific MS/MSD pairs, using samples SSHS-B67-2-6 (4.5), SSHS-B83-0.17-2 (1), SSHS-B75-2-6 (3), SSHS-B79-2-6 (4.5) and DUP-14, were reported. The MS/MSD pairs had recovery and RPD results within the QAPP specified acceptance criteria, with the following exceptions.

Most of the recoveries and RPD results were outside the QAPP specified acceptance criteria in the MS/MSD pair using sample SSHS-B67-2-6 (4.5). The sample contained PCBs 1248 and 1260, which caused interference with the quantitation of the organochlorine pesticides; the sample was analyzed at a 1:200 dilution to quantitate PCBs 1248 and 1260. Therefore, based on professional and technical judgment, no qualifications were applied to sample SSHS-B67-2-6 (4.5) based the sample concentrations of PCBs.

The RPD was high and outside the QAPP specified acceptance criteria for endrin aldehyde in the MS/MSD pair using sample SSHS-B83-0.17-2 (1). Since endrin aldehyde was not detected in sample SSHS-B83-0.17-2 (1), no qualifications were applied to the data.

One or both of the recoveries of endrin aldehyde and alpha-chlordane were low and outside the QAPP specified acceptance criteria in the MS/MSD pair using sample SSHS-B79-2-6 (4.5); in addition, the RPD for endrin aldehyde was high and outside the QAPP specified acceptance criteria. Since endrin aldehyde and alpha-chlordane were not detected in sample SSHS-B79-2-6 (4.5), the undetected values of these two compounds were UJ qualified as estimated less than the MDLs in sample SSHS-B79-2-6 (4.5), due to the low recoveries.

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**Validation Result (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B79-2-6 (4.5)	alpha-Chlordane	0.36	U	0.36	UJ	4
SSHS-B79-2-6 (4.5)	Endrin aldehyde	0.35	U	0.35	UJ	4

µg/kg-microgram per kilogram
U-not detected at the reported MDL

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Five LCSs and one LCS/LCSD pair were analyzed. The results for the LCSs and LCS/LCSD pair were within the QAPP specified acceptance criteria for recovery and RPD.

3.6 Surrogate

The surrogate recoveries were within the QAPP specified acceptance criteria, with the following exceptions.

The tetrachloro-m-xylene (TCX) surrogate recoveries were high and outside the QAPP specified acceptance criteria in samples 20140814-EQUIPMENT BLANK-SOIL, SSHS-B69-2-4 (4) and DUP-18. Since the other surrogate, decachlorobiphenyl (DCB), had acceptable recoveries in these three samples, no qualifications were applied to the sample data, based on professional and technical judgment.

3.7 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. Organochlorine pesticides were not detected in the source blank above the MDLs, with the following exceptions.

Aldrin and beta-BHC were detected in the source blank at concentrations greater than the RLs, 0.0023 µg/L and 0.0021 µg/L, respectively; the equivalent soil concentrations are 0.15 µg/kg and 0.14 µg/kg, respectively. No qualifications were applied to the soil samples since the equivalent soil concentrations for both aldrin and beta-BHC were less than the soil MDLs. However, due to the source blank contamination, the concentration of beta-BHC in the equipment blank was U qualified as not detected at the reported concentration.

It was noted that the concentrations of aldrin and beta-BHC in the source blank were J qualified as estimated at the reported concentrations, due to the RPDs between the two GC columns greater than 25%.

Sample ID	**Compound**	**Laboratory Concentration (µg/L)**	**Laboratory Flag**	**Validation Concentration (µg/L)**	**Validation Qualifier**	**Reason Code**
20140814-EQUIPMENT BLANK- S	beta-BHC	0.0019	p	0.0019	U	3

µg/L-microgram per liter
p-laboratory flag indicating the RPD between the two columns is greater than 40% RPD; the lower concentration was reported

3.8 Equipment Blank

One equipment blank, 20140814-EQUIPMENT BLANK-SOIL, was collected with the samples. Organochlorine pesticides were not detected in the equipment blank above the MDLs, with the following exception.

beta-BHC was detected in the equipment blank at a concentration greater than the RL, 0.0019 µg/L. Since the beta-BHC concentration in the equipment blank was U qualified as not detected at the reported concentration due to the source blank contamination, no additional qualifications were applied to the data.

3.9 Field Duplicate

Eight field duplicate samples, DUP-12, DUP-13, DUP-14, DUP-15, DUP-16, DUP-17, DUP-18 and DUP-19, were collected with the sample set. Acceptable precision (RPD ≤50% for solid samples, if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B81-2-6 (4), SSHS-B84-6-10 (8), SSHS-B78-2-6 (3.5), SSHS-B80-2-6 (5), SSHS-B26-A-13.5-15.5 (15), SSHS-B101-3-6 (4), SSHS-B69-4-6R (5) and SSHS-B77-6-10 (8), respectively, with the following exceptions.

The RPDs for aldrin, alpha-chlordane and endrin aldehyde were >50% for field duplicate pair SSHS-B69-4-6R (5)/DUP-18 and the concentrations were greater than five times the RL. Therefore, the concentrations of aldrin, alpha-chlordane and endrin aldehyde in the field duplicate pair were J qualified as estimated.

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B81-2-6 (4)	4,4'-DDD	0.25	J,p	NC	NA	NA	NA
DUP-12	4,4'-DDD	0.24	U		NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B81-2-6 (4)	The other pesticides	ND	NA	0	NA	NA	NA
DUP-12	The other pesticides	ND	NA		NA	NA	NA
SSHS-B84-6-10 (8)	Endosulfan sulfate	0.31	J	NC	NA	NA	NA
DUP-13	Endosulfan sulfate	0.19	U		NA	NA	NA
SSHS-B84-6-10 (8)	The other pesticides	ND	NA	0	NA	NA	NA
DUP-13	The other pesticides	ND	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	4,4'-DDD	1.2	J	NC	NA	NA	NA
DUP-14	4,4'-DDD	0.33	J,p		NA	NA	NA
SSHS-B78-2-6 (3.5)	alpha-BHC	0.30	U	NC	NA	NA	NA
DUP-14	alpha-BHC	0.43	J,p		NA	NA	NA
SSHS-B78-2-6 (3.5)	Endosulfan sulfate	0.52	J	NC	NA	NA	NA
DUP-14	Endosulfan sulfate	0.19	U		NA	NA	NA
SSHS-B78-2-6 (3.5)	Endrin	0.55	J,p	NC	NA	NA	NA
DUP-14	Endrin	0.36	U		NA	NA	NA
SSHS-B78-2-6 (3.5)	The other pesticides	ND	NA	0	NA	NA	NA
DUP-14	The other pesticides	ND	NA		NA	NA	NA
SSHS-B80-2-6 (5)	The pesticides	ND	NA	0	NA	NA	NA
DUP-15	The pesticides	ND	NA		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	The pesticides	ND	NA	0	NA	NA	NA
DUP-16	The pesticides	ND	NA		NA	NA	NA
SSHS-B101-3-6 (4)	4,4'-DDD	0.27	U	NC	NA	NA	NA
DUP-17	4,4'-DDD	0.45	J		NA	NA	NA
SSHS-B101-3-6 (4)	Heptachlor	1.1	J	NC	NA	NA	NA
DUP-17	Heptachlor	0.43	U		NA	NA	NA
SSHS-B101-3-6 (4)	The other pesticides	ND	NA	0	NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result (µg/kg)**	**Validation Qualifier**	**Reason Code**
DUP-17	The other pesticides	ND	NA		NA	NA	NA
SSHS-B69-4-6R (5)	4,4'-DDD	2.2	p	183	NA	NA	NA
DUP-18	4,4'-DDD	49	p		NA	NA	NA
SSHS-B69-4-6R (5)	4,4'-DDT	34	p	49	NA	NA	NA
DUP-18	4,4'-DDT	56	p		NA	NA	NA
SSHS-B69-4-6R (5)	Aldrin	360	p	183	360	J	7
DUP-18	Aldrin	16	p		16	J	7
SSHS-B69-4-6R (5)	alpha-Chlordane	12	p	96	12	J	7
DUP-18	alpha-Chlordane	34	p		34	J	7
SSHS-B69-4-6R (5)	beta-BHC	110	p	48	NA	NA	NA
DUP-18	beta-BHC	180	p		NA	NA	NA
SSHS-B69-4-6R (5)	Dieldrin	23	NA	20	NA	NA	NA
DUP-18	Dieldrin	28	p		NA	NA	NA
SSHS-B69-4-6R (5)	Endosulfan I	48	NA	40	NA	NA	NA
DUP-18	Endosulfan I	72	NA		NA	NA	NA
SSHS-B69-4-6R (5)	Endosulfan II	6.5	p	67	NA	NA	NA
DUP-18	Endosulfan II	13	p		NA	NA	NA
SSHS-B69-4-6R (5)	Endosulfan sulfate	21	p	42	NA	NA	NA
DUP-18	Endosulfan sulfate	32	p		NA	NA	NA
SSHS-B69-4-6R (5)	Endrin	130	p	32	NA	NA	NA
DUP-18	Endrin	180	p		NA	NA	NA
SSHS-B69-4-6R (5)	Endrin aldehyde	13	p	94	13	J	7
DUP-18	Endrin aldehyde	36	NA		36	J	7
SSHS-B69-4-6R (5)	Endrin ketone	20	p	26	NA	NA	NA
DUP-18	Endrin ketone	26	p		NA	NA	NA
SSHS-B69-4-6R	gamma-BHC	9.4	p	91	NA	NA	NA

Sample ID	Compound	Laboratory Result (µg/kg)	Laboratory Flag	RPD	Validation Result (µg/kg)	Validation Qualifier	Reason Code
(5)	(Lindane)						
DUP-18	gamma-BHC (Lindane)	25	p		NA	NA	NA
SSHS-B69-4-6R (5)	Heptachlor	0.41	U	NC	NA	NA	NA
DUP-18	Heptachlor	350	p		NA	NA	NA
SSHS-B69-4-6R (5)	Heptachlor epoxide	1000	NA	26	NA	NA	NA
DUP-18	Heptachlor epoxide	1300	NA		NA	NA	NA
SSHS-B69-4-6R (5)	Methoxychlor	120	p	29	NA	NA	NA
DUP-18	Methoxychlor	160	p		NA	NA	NA
SSHS-B69-4-6R (5)	gamma-Chlordane	490	p	17	NA	NA	NA
DUP-18	gamma-Chlordane	580	p		NA	NA	NA
SSHS-B69-4-6R (5)	The other pesticides	ND	NA	0	NA	NA	NA
DUP-18	The other pesticides	ND	NA		NA	NA	NA
SSHS-B77-6-10 (8)	Heptachlor	0.62	J,p	NC	NA	NA	NA
DUP-19	Heptachlor	0.39	U		NA	NA	NA
SSHS-B77-6-10 (8)	The other pesticides	ND	NA	0	NA	NA	NA
DUP-19	The other pesticides	ND	NA		NA	NA	NA

µg/kg-microgram per kilogram
NA-not applicable
U-not detected at the reported MDL
J-estimated concentration greater than the MDL and less than the RL
p-laboratory flag indicating the RPD between the two columns is greater than 40% RPD; the lower concentration was reported
NC-not calculable
ND-not detected at the MDL

3.10 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were reported for samples SSHS-B67-0.17-2 (1) and SSHS-B69-2-4 (4) due to the dilutions analyzed.

The MDLs and RLs were the same as those listed in Table C.1 in the QAPP.

3.11 Electronic Data Deliverables Review

Results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140814-EQUIPMENT BLANK-SOIL, was truncated to 20140814-EQUIPMENT BLANK-S in the EDD and the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II reports and the EDDs.

4.0 POLYCHLORINATED BIPHENYLS

Seventy-five solid samples, eight solid field duplicate samples, five MS/MSD pairs and one equipment blank were analyzed for PCBs per EPA Methods 3510C/8082 and 3541/8082.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Time
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity
⊗ Electronic Data Deliverables Review

4.1 Overall Assessment

4.1.1 Completeness

The PCB (Aroclor) data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

4.1.2 Analysis Anomalies

The samples were analyzed on two different GC columns. One PCB concentration, in sample SSHS-B66-6-8R (7), was flagged by the laboratory with p, indicating the RPD between the two columns was greater than 40% RPD and the lower concentration was reported. Therefore, based on professional and technical judgment, the p-flagged concentration in this sample was J qualified as estimated.

Sample ID	Compound	Laboratory Concentration (μg/kg)	Laboratory Flag	Validation Concentration (μg/kg)	Validation Qualifier	Reason Code
SSHS-B66-6-8R (7)	PCB-1260	83	p	83	J	13

μg/kg-microgram per kilogram
p-laboratory flag indicating the RPD between the two columns is greater than 40% RPD; the lower concentration was reported

4.2 Holding Times

The holding times for PCB analysis of solids are 14 days from sample collection to extraction and 40 days from extraction to analysis. The holding times for PCB analysis of waters are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

4.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six method blanks were reported with the data (batches 116007, 116127, 116128, 116262, 116270 and 115137). PCBs were not detected in the method blanks above the MDLs.

4.4 Matrix Spike/Matrix Spike Duplicate

Five sample set specific MS/MSD pairs, using samples SSHS-B67-2-6 (4.5), SSHS-B83-0.17-2 (1), SSHS-B75-2-6 (3), SSHS-B79-2-6 (4.5) and DUP-14, were reported. The MS/MSD pairs had recovery and RPD results within the QAPP specified acceptance criteria, with the following exception.

The recoveries of the spiked PCBs, 1016 and 1260, were low and outside the QAPP specified acceptance criteria in the MS/MSD pair using sample SSHS-B67-2-6 (4.5). Since the original sample was analyzed at a 1:200 dilution to quantitate PCBs 1248 and 1260, based on professional and technical judgment, no qualifications were applied to sample SSHS-B67-2-6 (4.5) based on the MS/MSD recoveries.

4.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six LCSs and one LCS/LCSD pair were analyzed. The results for the LCSs and LCS/LCSD pair were within the QAPP specified acceptance criteria for recovery and RPD.

4.6 Surrogate

The surrogate recoveries were within the QAPP specified acceptance criteria, with the following exceptions.

The tetrachloro-m-xylene (TCX) surrogate recovery was high and outside the laboratory specified acceptance criteria in sample SSHS-B67-0.17-2 (1); the decachlorobiphenyl (DCB) recovery was high and outside the laboratory specified acceptance criteria in sample SSHS-B69-2-4 (4). Since the other surrogate had acceptable recoveries in these two samples, no qualifications were applied to the sample data, based on professional and technical judgment.

4.7 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. PCBs were not detected in the source blank above the MDLs.

4.8 Equipment Blank

One equipment blank, 20140814-EQUIPMENT BLANK-SOIL, was collected with the samples. PCBs were not detected in the equipment blank above the MDLs.

4.9 Field Duplicate

Eight field duplicate samples, DUP-12, DUP-13, DUP-14, DUP-15, DUP-16, DUP-17, DUP-18 and DUP-19, were collected with the sample set. Acceptable precision (RPD $\leq$50% for solid samples, if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B81-2-6 (4), SSHS-B84-6-10 (8), SSHS-B78-2-6 (3.5), SSHS-B80-2-6 (5), SSHS-B26-A-13.5-15.5 (15), SSHS-B101-3-6 (4), SSHS-B69-4-6R (5) and SSHS-B77-6-10 (8), respectively.

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**RPD**
SSHS-B81-2-6 (4)	The PCBs	ND	NA	0
DUP-12	The PCBs	ND	NA	
SSHS-B84-6-10 (8)	The PCBs	ND	NA	0
DUP-13	The PCBs	ND	NA	
SSHS-B78-2-6 (3.5)	The PCBs	ND	NA	0
DUP-14	The PCBs	ND	NA	
SSHS-B80-2-6 (5)	The PCBs	ND	NA	0
DUP-15	The PCBs	ND	NA	
SSHS-B26-A-13.5-15.5 (15)	PCB-1248	1.7	U	NC
DUP-16	PCB-1248	7.8	J	
SSHS-B26-A-13.5-15.5 (15)	The other PCBs	ND	NA	0
DUP-16	The other PCBs	ND	NA	
SSHS-B101-3-6 (4)	PCB-1248	1.9	U	NC
DUP-17	PCB-1248	14	J	
SSHS-B101-3-6 (4)	The other PCBs	ND	NA	0
DUP-17	The other PCBs	ND	NA	
SSHS-B69-4-6R (5)	PCB-1248	48000	NA	24
DUP-18	PCB-1248	61000	NA	
SSHS-B69-4-6R (5)	PCB-1260	2200	NA	20
DUP-18	PCB-1260	2700	NA	
SSHS-B69-4-6R (5)	The other PCBs	ND	NA	0
DUP-18	The other PCBs	ND	NA	
SSHS-B77-6-10 (8)	The PCBs	ND	NA	0
DUP-19	The PCBs	ND	NA	

µg/kg-microgram per kilogram
NA-not applicable
U-not detected at the reported MDL
NC-not calculable
ND-not detected at the MDL

4.10 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were reported for the following samples due to the dilutions analyzed.

SSHS-B65-0.17-2 (1)	SSHS-B67-2-6 (4.5)
SSHS-B65-4-6 (4)	SSHS-B68-0.17-2 (1)
SSHS-B66-0.17-2 (1)	SSHS-B68-2-6 (5.5)
SSHS-B66-2-4 (3)	SSHS-B69-2-4 (4)
SSHS-B67-0.17-2 (1)	SSHS-B69-4-6R (5)

DUP-18
SSHS-B101-0.17-2 (1)

SSHS-B26-A-2-6 (2)
SSHS-B70-6-10 (7.5)

The MDLs and RLs were the same as those listed in Table C.1 in the QAPP. It was noted that total PCBs were listed in Table C.1 in the QAPP, but not reported by the laboratory.

4.11 Electronic Data Deliverables Review

Results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140814-EQUIPMENT BLANK-SOIL, was truncated to 20140814-EQUIPMENT BLANK-S in the EDD and the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II reports and the EDDs.

5.0 GASOLINE RANGE ORGANICS

One groundwater sample was analyzed for GRO per EPA Methods 5030C/8015D.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Method Blank
⊗ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
✓ Source Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity
⊗ Electronic Data Deliverables Review

5.1 Overall Assessment

The GRO data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

5.2 Holding Times

The holding time for the GRO analysis of a preserved water sample is 14 days from sample collection to analysis. The holding times were met for the sample analyses.

5.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported with the data (batch 143606). GRO was not detected in the method blank above the MDL.

5.4 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were analyzed at the proper frequency for the number and types of samples analyzed (one pair per batch of 20 samples). One sample set specific MS/MSD pair, using sample SSHS-B26-A-GW-18-22, was reported. The recovery of GRO in the MS and the RPD in the MS/MSD pair were high and outside the QAPP specified acceptance criteria. Therefore, the concentration of GRO in sample SSHS-B26-A-GW-18-22 was J qualified as estimated.

Sample ID	Compound	Laboratory Result (µg/L)	Laboratory Flag	Validation Result (µg/L	Validation Qualifier	Reason Code
SSHS-B26-A-GW-18-22	GRO	440	NA	440	J	4

µg/L-micrograms per liter
NA-not applicable

5.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The result for the LCS was within the QAPP specified acceptance criterion for recovery.

5.6 Surrogate

Acceptable surrogate recoveries were reported for the sample analyses.

5.7 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. GRO was not detected in the source blank above the MDL.

5.8 Equipment Blank

An equipment blank was not collected with the groundwater samples.

5.9 Field Duplicate

Eight field duplicate samples were collected with the sample set, but were not analyzed for GRO.

5.10 Sensitivity

The samples were reported to the MDL. No elevated nondetect results were reported. The MDL and RL reported were the same as those listed in Table C.2 in the QAPP.

5.11 Electronic Data Deliverables Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20%. It was noted that the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II report and the EDD.

6.0 DIESEL RANGE ORGANICS

One groundwater sample was analyzed for DRO per EPA Methods 3520C/8015D.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Method Blank

- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Surrogates
- ✓ Source Blank
- ✓ Equipment Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ⊗ Electronic Data Deliverables Review

6.1 Overall Assessment

The DRO data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

6.2 Holding Times

The holding times for the DRO analysis of a water sample are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

6.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported with the data (batch 143586). DRO was not detected in the method blank above the MDL.

6.4 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were analyzed at the proper frequency for the number and types of samples analyzed (one pair per batch of 20 samples). One sample set specific MS/MSD pair, using sample SSHS-B26-A-GW-18-22, was reported. The recoveries in the MS/MSD were low and outside the QAPP specified acceptance criteria. However, since the sample was reported at a dilution, no qualifications were applied to the data based on professional judgment.

6.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The result for the LCS was within the QAPP specified acceptance criterion for recovery.

6.6 Surrogate

Acceptable surrogate recoveries were reported for the sample analyses.

6.7 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. GRO was not detected in the source blank above the MDLs.

6.8 Equipment Blank

An equipment blank was not collected with the groundwater samples.

6.9 Field Duplicate

Eight field duplicate samples were collected with the sample set, but were not analyzed for DRO.

6.10 Sensitivity

The samples were reported to the MDL. The MDL and RL reported were the same as those listed in Table C.2 in the QAPP.

6.11 Electronic Data Deliverables Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20%. It was noted that the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II report and the EDD.

7.0 METALS

Seventy-five solid samples, eight solid field duplicate samples, five MS/MSD pairs and one equipment blank were analyzed for metals per EPA Methods 3005A/6010C and 3050B/6010C (Mercury evaluated separately in Section 8.0, below).

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
⊗ Method Blank
⊗ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Source Blank
⊗ Equipment Blank
⊗ Field Duplicate
✓ Sensitivity
⊗ Electronic Data Deliverables Review

7.1 Overall Assessment

The metals data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

7.2 Holding Times

The holding times for metals analysis of water and solid samples are 180 days from sample collection to analysis. The holding times were met for the sample analyses.

7.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six method blanks were reported with the data (batches 115610, 115611, 115612, 115613, 115614 and 115230). Metals were not detected in the method blanks above the MDLs, with the following exceptions.

Cadmium, chromium, vanadium and zinc were detected at estimated concentrations greater than the MDLs and less than the RLs in the method blank in batch 115610. Since chromium, vanadium and zinc were detected in the associated sample at concentrations greater than the RLs, no qualifications were applied to the chromium, vanadium and zinc data. However, the estimated concentrations of cadmium in the associated samples were U qualified as not detected at the RLs.

Cadmium, selenium and zinc were detected at estimated concentrations greater than the MDLs and less than the RLs in the method blank in batch 115611. Since zinc was detected in the associated sample at concentrations greater than the RLs, no qualifications were applied to the zinc data. However, the estimated concentrations of selenium and zinc were U qualified as not detected at the RLs.

Zinc was detected at an estimated concentration greater than the MDL and less than the RL in the method blank in batch 115612. Since zinc was detected in the associated sample at concentrations greater than the RL, no qualifications were applied to the data.

Cadmium, iron, potassium and zinc were detected at estimated concentrations greater than the MDLs and less than the RLs in the method blank in batch 115613. Since iron, potassium and zinc were detected in the associated sample at concentrations greater than the RLs, no qualifications were applied to the iron, potassium and zinc data. However, the estimated concentrations of cadmium in the associated samples were U qualified as not detected at the RL.

Cadmium, iron, nickel and zinc were detected at estimated concentrations greater than the MDLs and less than the RLs in the method blank in batch 115614. Since iron, nickel and zinc were detected in the associated sample at concentrations greater than the RLs, no qualifications were applied to the iron, nickel and zinc data. However, the estimated concentrations of cadmium in the associated samples were U qualified as not detected at the RL.

Sodium and manganese were detected at estimated concentrations greater than the MDLs and less than the RLs in the method blank in batch 115230. Therefore, the estimated concentrations of sodium and manganese in the associated sample were U qualified as not detected at the RLs.

Sample ID	**Compound**	**Laboratory Result (µg/L)**	**Laboratory Flag**	**Validation Result (µg/L)**	**Validation Qualifier**	**Reason Code**
20140814-EQUIPMENT BLANK- S	Sodium	67	J,B	5000	U	3
20140814-EQUIPMENT BLANK- S	Manganese	3.7	J,B	15	U	3

µg/L-microgram per liter
J-estimated concentration greater than the MDL and less than the RL
B-compound was detected in both the method blank and sample

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	Validation Result (mg/kg)	Validation Qualifier	Reason Code
DUP-12	Cadmium	0.056	J,B	0.51	U	3
DUP-13	Cadmium	0.071	J,B	0.52	U	3
DUP-14	Cadmium	0.11	J,B	0.53	U	3
DUP-15	Cadmium	0.075	J,B	0.57	U	3
DUP-16	Cadmium	0.075	J,B	0.47	U	3
DUP-17	Cadmium	0.14	J,B	0.55	U	3
DUP-18	Cadmium	0.12	J,B	0.53	U	3
DUP-19	Cadmium	0.073	J,B	0.53	U	3
SSHS-B70-6-10 (7.5)	Cadmium	0.075	J,B	0.55	U	3
SSHS-B78-0.17-2 (1.5)	Cadmium	0.18	J,B	0.53	U	3
SSHS-B78-10-15 (12)	Cadmium	0.091	J,B	0.47	U	3
SSHS-B78-2-6 (3.5)	Cadmium	0.16	J,B	0.53	U	3
SSHS-B78-6-10 (8)	Cadmium	0.12	J,B	0.52	U	3
SSHS-B79-0.17-2 (1)	Cadmium	0.15	J,B	0.57	U	3
SSHS-B79-10-15 (12.5)	Cadmium	0.022	J,B	0.53	U	3
SSHS-B80-10-14.5 (12.5)	Cadmium	0.094	J,B	0.50	U	3
SSHS-B80-6-10 (8)	Cadmium	0.094	J,B	0.52	U	3
SSHS-B65-0.17-2 (1)	Cadmium	0.091	J,B	0.54	U	3
SSHS-B66-0.17-2 (1)	Cadmium	0.18	J,B	0.53	U	3
SSHS-B66-2-4 (3)	Cadmium	0.17	J,B	0.56	U	3
SSHS-B66-6-8R (7)	Cadmium	0.072	J,B	0.51	U	3
SSHS-B67-0.17-2 (1)	Cadmium	0.32	J,B	0.53	U	3
SSHS-B68-0.17-2 (1)	Cadmium	0.15	J,B	0.54	U	3
SSHS-B68-2-6 (5.5)	Cadmium	0.45	J,B	0.57	U	3
SSHS-B68-6-8R (6.5)	Cadmium	0.078	J,B	0.56	U	3
SSHS-B69-0.17-2 (1)	Cadmium	0.12	J,B	0.55	U	3

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	Validation Result (mg/kg)	Validation Qualifier	Reason Code
SSHS-B69-2-4 (4)	Cadmium	0.29	J,B	0.63	U	3
SSHS-B69-4-6R (5)	Cadmium	0.092	J,B	0.52	U	3
SSHS-B76-10-15 (12.5)	Selenium	0.31	J,B	0.99	U	3
SSHS-B76-2-6 (5)	Selenium	0.31	J,B	1.0	U	3
SSHS-B76-6-10 (8)	Selenium	0.50	J,B	1.1	U	3
SSHS-B76-SS	Selenium	0.44	J,B	1.2	U	3
SSHS-B77-0.17-2 (1.5)	Selenium	0.33	J,B	1.0	U	3
SSHS-B77-2-6 (5)	Selenium	0.68	J,B	1.0	U	3
SSHS-B77-2-6 (5)	Cadmium	0.028	J,B	0.51	U	3
SSHS-B77-SS	Selenium	0.53	J,B	1.1	U	3
SSHS-B81-0.17-2 (1.5)	Selenium	0.64	J,B	1.0	U	3
SSHS-B81-0.17-2 (1.5)	Cadmium	0.062	J,B	0.51	U	3
SSHS-B81-10-13.5 (10.5)	Cadmium	0.05	J,B	0.54	U	3
SSHS-B81-2-6 (4)	Selenium	0.47	J,B	1.1	U	3
SSHS-B81-6-10 (8)	Selenium	0.55	J,B	1.2	U	3
SSHS-B83-0.17-2 (1)	Cadmium	0.072	J,B	0.54	U	3
SSHS-B84-0.17-2 (1)	Cadmium	0.041	J,B	0.52	U	3
SSHS-B84-10-14 (12)	Selenium	0.34	J,B	0.99	U	3
SSHS-B84-2-6 (4)	Selenium	0.49	J,B	1.0	U	3
SSHS-B87-0.17-2 (1.5)	Selenium	0.47	J,B	1.0	U	3
SSHS-B87-0.17-2 (1.5)	Cadmium	0.039	J,B	0.51	U	3
SSHS-B87-10-15 (12)	Selenium	0.38	J,B	1.0	U	3

mg/kg-milligram per rams per kilogram
J-estimated concentration greater than the MDL and less than the RL
B-compound was detected in both the method blank and sample

7.4 Matrix Spike/Matrix Spike Duplicate

Five sample set specific MS/MSD pairs, using samples SSHS-B67-2-6 (4.5), SSHS-B84-0.17-2 (1), SSHS-B75-2-6 (3), SSHS-B79-2-6 (4.5) and DUP-12 were reported. The MS/MSD pairs had recovery and RPD results within the QAPP specified acceptance criteria, with the following exceptions.

One or both of the recoveries of arsenic, calcium and chromium and the RPDs for calcium, chromium, lead, nickel and zinc were high and outside the QAPP specified acceptance criteria in the MS/MSD pair using sample SSHS-B67-2-6 (4.5). Also, the recoveries of antimony, chromium, nickel and zinc were low and outside the QAPP specified acceptance criteria in the MSD using sample SSHS-B67-2-6 (4.5). Lead and magnesium had both a low and high recovery outside the QAPP specified acceptance criteria. A post digestion spike (PDS) was analyzed, with the recoveries of these metals within the laboratory specified acceptance criteria. Therefore, the concentrations of these metals in sample SSHS-B67-2-6 (4.5) were J qualified as estimated.

One or both of the recoveries of barium and calcium and the RPDs for barium, calcium and zinc, were high and outside the QAPP specified acceptance criteria in the MS/MSD pair using sample SSHS-B84-0.17-2 (1). Also, one or both the recoveries of antimony, chromium, copper and zinc were low and outside the QAPP specified acceptance criteria. A PDS was analyzed, with the recoveries of these metals within the laboratory specified acceptance criteria. Therefore, the concentrations of these metals in sample SSHS-B84-0.17-2 (1) were J qualified as estimated.

One or both the recoveries of antimony, calcium and copper were low and outside the QAPP specified acceptance criteria in the MS/MSD pair using sample SSHS-B75-2-6 (3). A PDS was also analyzed, with the recoveries of these metals within the laboratory specified acceptance criteria. Therefore, the undetected value of antimony was UJ qualified as estimated less than the MDL and the concentrations of calcium and copper in sample SSHS-B75-2-6 (3) were J qualified as estimated.

One or both of the recoveries of antimony, calcium, lead and selenium were low and outside the QAPP specified acceptance criteria in the MS/MSD pair using sample SSHS-B79-2-6 (4.5). A PDS was analyzed, with the recoveries of these metals within the laboratory specified acceptance criteria. Therefore, the concentrations of these metals were J qualified as estimated in sample SSHS-B79-2-6 (4.5).

One or both of the recoveries of antimony, calcium and copper were low and outside the QAPP specified acceptance criteria in the MS/MSD pair using sample DUP-12. A PDS was analyzed, with the recoveries of these metals within the laboratory specified acceptance criteria. Therefore, the concentrations of antimony, calcium and copper in sample DUP-12 were J qualified as estimated.

It was noted that the recovery criteria for aluminum, copper, iron and manganese in sample SSHS-B67-2-6 (4.5), aluminum, iron and manganese in samples SSHS-B84-0.17-2 (1), SSHS-B75-2-6 (3), SSHS-B79-2-6 (4.5) DUP-12 were not applicable since the concentrations of these metals in the

sample were greater than four times the spike concentrations. No qualifications were applied to the data.

Sample ID	**Compound**	**Laboratory Concentration (mg/kg)**	**Laboratory Flag**	**Validation Concentration (mg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B67-2-6 (4.5)	Arsenic	83	NA	83.0	J	4
SSHS-B67-2-6 (4.5)	Antimony	0.66	J	1.1	U	3
SSHS-B67-2-6 (4.5)	Calcium	6100	NA	6100.0	J	4
SSHS-B67-2-6 (4.5)	Chromium	29	B	29.0	J	4
SSHS-B67-2-6 (4.5)	Lead	220	NA	220.0	J	4
SSHS-B67-2-6 (4.5)	Magnesium	2000	NA	2000.0	J	4
SSHS-B67-2-6 (4.5)	Nickel	160	NA	160.0	J	4
SSHS-B67-2-6 (4.5)	Zinc	120	B	120.0	J	4
SSHS-B84-0.17-2 (1)	Antimony	0.23	J	0.2	J	4
SSHS-B84-0.17-2 (1)	Barium	80	NA	80.0	J	4
SSHS-B84-0.17-2 (1)	Calcium	5100	NA	5100.0	J	4
SSHS-B84-0.17-2 (1)	Chromium	11	NA	11.0	J	4
SSHS-B84-0.17-2 (1)	Copper	47	NA	47.0	J	4
SSHS-B84-0.17-2 (1)	Zinc	59	B	59.0	J	4
DUP-12	Antimony	0.38	J	0.4	J	4
DUP-12	Calcium	2500	NA	2500.0	J	4
DUP-12	Copper	27	NA	27.0	J	4
SSHS-B75-2-6 (3)	Antimony	0.24	U	0.2	UJ	4
SSHS-B75-2-6 (3)	Calcium	6500	NA	6500.0	J	4
SSHS-B75-2-6 (3)	Copper	23	NA	23.0	J	4
SSHS-B79-2-6 (4.5)	Antimony	0.73	J	0.7	J	4
SSHS-B79-2-6 (4.5)	Calcium	1500	NA	1500.0	J	4
SSHS-B79-2-6 (4.5)	Lead	22	NA	22.0	J	4
SSHS-B79-2-6 (4.5)	Selenium	0.42	J	0.4	J	4

mg/kg-milligram per kilogram
J-estimated concentration greater than the MDL and less than the RL
B-compound was detected in both the method blank and sample
U-not detected at the reported MDL
NA-not applicable

7.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six LCSs were analyzed. The results for the LCSs were within the QAPP specified acceptance criteria for recovery.

7.6 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. The metals were not detected in the source blank above the MDLs, with the following exceptions.

Potassium and sodium were detected at estimated concentrations greater than the MDLs and less the RLs. Since the potassium and sodium concentrations in the source blank were U qualified as not detected at the RLs based on the method blank contamination, no additional qualifications were applied to the potassium and sodium data.

7.7 Equipment Blank

One equipment blank, 20140814-EQUIPMENT BLANK- SOIL, was collected with the samples. The metals were not detected above the MDL with the following exceptions.

Calcium, chromium, copper, nickel, potassium, sodium and manganese were detected at estimated concentrations greater than the MDLs and less than the RLs and iron (soil equivalent concentration 14 mg/kg) was detected above RL. Since the sodium and manganese concentrations in the equipment blank were U qualified as not detected at the RLs based on the method blank contamination, no qualifications were applied to the sodium and manganese data. Chromium, copper and nickel were detected above the RLs in the associated samples; therefore, no qualifications were applied to the chromium, copper and nickel data. The iron concentrations in the associated samples were greater than ten times the soil equivalent concentration in the equipment blank, so no qualifications were applied to the iron data. However, the estimated concentrations of calcium and potassium in the associated samples were U qualified as not detected at the RLs.

Sample ID	**Compound**	**Laboratory Concentration (mg/kg)**	**Laboratory**	**Validation Concentration (mg/kg)**	**Validation**	**Reason Code**
DUP-13	Potassium	510	J	520.0	U	3
DUP-17	Potassium	470	J	550.0	U	3
SSHS-B101-3-6 (4)	Potassium	440	J	640.0	U	3

Sample ID	Compound	Laboratory Concentration (mg/kg)	Laboratory	Validation Concentration (mg/kg)	Validation	Reason Code
SSHS-B101-8-10 (9)	Potassium	550	J	610.0	U	3
SSHS-B65-0.17-2 (1)	Potassium	490	J	540.0	U	3
SSHS-B65-10-12 (11)	Calcium	320	J	540.0	U	3
SSHS-B68-0.17-2 (1)	Potassium	510	J	540.0	U	3
SSHS-B76-6-10 (8)	Potassium	430	J	530.0	U	3
SSHS-B77-0.17-2 (1.5)	Potassium	420	J	500.0	U	3
SSHS-B77-6-10 (8)	Potassium	530	J	540.0	U	3
SSHS-B81-10-13.5 (10.5)	Potassium	520	J	540.0	U	3
SSHS-B84-2-6 (4)	Potassium	400	J	520.0	U	3
SSHS-B87-0.17-2 (1.5)	Potassium	490	J	510.0	U	3

mg/kg-milligram per kilogram
J-estimated concentration greater than the MDL and less than the RL

7.8 Field Duplicate

Eight field duplicate samples, DUP-12, DUP-13, DUP-14, DUP-15, DUP-16, DUP-17, DUP-18 and DUP-19, were collected with the sample set. Acceptable precision (RPD ≤50% for solid samples, if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B81-2-6 (4), SSHS-B84-6-10 (8), SSHS-B78-2-6 (3.5), SSHS-B80-2-6 (5), SSHS-B26-A-13.5-15.5 (15), SSHS-B101-3-6 (4), SSHS-B69-4-6R (5) and SSHS-B77-6-10 (8), respectively, with the following exceptions.

The following metals were >50% in the field duplicate pairs: Calcium in SSHS-B84-6-10 (8)/DUP-13, lead in SSHS-B78-2-6 (3.5)/DUP-14 and chromium and lead in SSHS-B69-4-6R (5)/DUP-18. Therefore, the concentrations of these metals in the field duplicate pairs were J qualified as estimated. The other compounds/field duplicate pairs with RPDs greater than 50% had one or both sample concentrations less than five times the RL; therefore, per the specifications of the QAPP, no qualifications were applied to the data for these compounds.

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result (mg/kg)**	**Validation Qualifier**	**Reason code**
SSHS-B81-2-6 (4)	Aluminum	7600	NA	1	NA	NA	NA
DUP-12	Aluminum	7700	NA		NA	NA	NA
SSHS-B81-2-6 (4)	Antimony	0.27	J	NC	NA	NA	NA
DUP-12	Antimony	0.38	J		NA	NA	NA
SSHS-B81-2-6 (4)	Arsenic	6.8	NA	8	NA	NA	NA
DUP-12	Arsenic	7.4	NA		NA	NA	NA
SSHS-B81-2-6 (4)	Barium	72	NA	9	NA	NA	NA
DUP-12	Barium	66	NA		NA	NA	NA
SSHS-B81-2-6 (4)	Beryllium	0.34	J	NC	NA	NA	NA
DUP-12	Beryllium	0.34	J		NA	NA	NA
SSHS-B81-2-6 (4)	Cadmium	0.015	U	NC	NA	NA	NA
DUP-12	Cadmium	0.056	J,B		NA	NA	NA
SSHS-B81-2-6 (4)	Calcium	5500	NA	75	NA	NA	NA
DUP-12	Calcium	2500	NA		NA	NA	NA
SSHS-B81-2-6 (4)	Chromium	9.7	NA	10	NA	NA	NA
DUP-12	Chromium	8.8	NA		NA	NA	NA
SSHS-B81-2-6 (4)	Cobalt	5.3	J	NC	NA	NA	NA
DUP-12	Cobalt	5.6	NA		NA	NA	NA
SSHS-B81-2-6 (4)	Copper	39	NA	36	NA	NA	NA
DUP-12	Copper	27	NA		NA	NA	NA
SSHS-B81-2-6 (4)	Iron	17000	NA	6	NA	NA	NA
DUP-12	Iron	16000	B		NA	NA	NA
SSHS-B81-2-6 (4)	Lead	16	NA	21	NA	NA	NA
DUP-12	Lead	13	NA		NA	NA	NA
SSHS-B81-2-6 (4)	Magnesium	1700	NA	11	NA	NA	NA
DUP-12	Magnesium	1900	NA		NA	NA	NA
SSHS-B81-2-6 (4)	Manganese	340	NA	32	NA	NA	NA
DUP-12	Manganese	470	NA		NA	NA	NA
SSHS-B81-2-6 (4)	Nickel	14	NA	19	NA	NA	NA
DUP-12	Nickel	17	B		NA	NA	NA
SSHS-B81-2-6 (4)	Potassium	650	NA	3	NA	NA	NA
DUP-12	Potassium	630	NA		NA	NA	NA
SSHS-B81-2-6 (4)	Selenium	0.47	J,B	NC	NA	NA	NA
DUP-12	Selenium	0.58	J		NA	NA	NA
SSHS-B81-2-6 (4)	Sodium	210	J	NC	NA	NA	NA
DUP-12	Sodium	180	J		NA	NA	NA
SSHS-B81-2-6 (4)	Vanadium	13	NA	8	NA	NA	NA
DUP-12	Vanadium	12	NA		NA	NA	NA
SSHS-B81-2-6 (4)	Zinc	55	B	20	NA	NA	NA
DUP-12	Zinc	45	B		NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result (mg/kg)**	**Validation Qualifier**	**Reason code**
SSHS-B81-2-6 (4)	The other metals	ND	NA	0	NA	NA	NA
DUP-12	The other metals	ND	NA		NA	NA	NA
SSHS-B84-6-10 (8)	Aluminum	5800	NA	11	NA	NA	NA
DUP-13	Aluminum	5200	NA		NA	NA	NA
SSHS-B84-6-10 (8)	Antimony	0.30	J	NC	NA	NA	NA
DUP-13	Antimony	0.21	U		NA	NA	NA
SSHS-B84-6-10 (8)	Arsenic	7.3	NA	30	NA	NA	NA
DUP-13	Arsenic	5.4	NA		NA	NA	NA
SSHS-B84-6-10 (8)	Barium	37	NA	14	NA	NA	NA
DUP-13	Barium	32	NA		NA	NA	NA
SSHS-B84-6-10 (8)	Beryllium	0.25	J	NC	NA	NA	NA
DUP-13	Beryllium	0.21	J		NA	NA	NA
SSHS-B84-6-10 (8)	Cadmium	0.015	U	NC	NA	NA	NA
DUP-13	Cadmium	0.071	J,B		NA	NA	NA
SSHS-B84-6-10 (8)	Calcium	28000	NA	67	28000	J	7
DUP-13	Calcium	56000	NA		56000	J	7
SSHS-B84-6-10 (8)	Chromium	8.0	NA	18	NA	NA	NA
DUP-13	Chromium	6.7	NA		NA	NA	NA
SSHS-B84-6-10 (8)	Cobalt	5.9	NA	NC	NA	NA	NA
DUP-13	Cobalt	5.1	J		NA	NA	NA
SSHS-B84-6-10 (8)	Copper	19	NA	5	NA	NA	NA
DUP-13	Copper	18	NA		NA	NA	NA
SSHS-B84-6-10 (8)	Iron	15000	NA	14	NA	NA	NA
DUP-13	Iron	13000	B		NA	NA	NA
SSHS-B84-6-10 (8)	Lead	11	NA	32	NA	NA	NA
DUP-13	Lead	8.0	NA		NA	NA	NA
SSHS-B84-6-10 (8)	Magnesium	13000	NA	27	NA	NA	NA
DUP-13	Magnesium	17000	NA		NA	NA	NA
SSHS-B84-6-10 (8)	Manganese	450	NA	9	NA	NA	NA
DUP-13	Manganese	410	NA		NA	NA	NA
SSHS-B84-6-10 (8)	Nickel	14	NA	15	NA	NA	NA
DUP-13	Nickel	12	B		NA	NA	NA
SSHS-B84-6-10 (8)	Potassium	610	NA	NC	NA	NA	NA
DUP-13	Potassium	510	J		NA	NA	NA
SSHS-B84-6-10 (8)	Selenium	0.29	U	NC	NA	NA	NA
DUP-13	Selenium	0.85	J		NA	NA	NA
SSHS-B84-6-10 (8)	Sodium	130	J	NC	NA	NA	NA
DUP-13	Sodium	130	J		NA	NA	NA
SSHS-B84-6-10 (8)	Vanadium	11	NA	16	NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result (mg/kg)**	**Validation Qualifier**	**Reason code**
DUP-13	Vanadium	9.4	NA		NA	NA	NA
SSHS-B84-6-10 (8)	Zinc	72	B	20	NA	NA	NA
DUP-13	Zinc	59	B		NA	NA	NA
SSHS-B84-6-10 (8)	The other metals	ND	NA	0	NA	NA	NA
DUP-13	The other metals	ND	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Aluminum	7900	NA	14	NA	NA	NA
DUP-14	Aluminum	6900	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Antimony	2.6	NA	81	NA	NA	NA
DUP-14	Antimony	1.1	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Arsenic	7.6	NA	8	NA	NA	NA
DUP-14	Arsenic	7.0	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Barium	60	NA	12	NA	NA	NA
DUP-14	Barium	53	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Beryllium	0.38	J	NC	NA	NA	NA
DUP-14	Beryllium	0.32	J		NA	NA	NA
SSHS-B78-2-6 (3.5)	Cadmium	0.16	J,B	NC	NA	NA	NA
DUP-14	Cadmium	0.11	J,B		NA	NA	NA
SSHS-B78-2-6 (3.5)	Calcium	5900	NA	23	NA	NA	NA
DUP-14	Calcium	4700	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Chromium	9.8	NA	15	NA	NA	NA
DUP-14	Chromium	8.4	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Cobalt	5.7	NA	15	NA	NA	NA
DUP-14	Cobalt	6.6	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Copper	45	NA	37	NA	NA	NA
DUP-14	Copper	31	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Iron	18000	B	6	NA	NA	NA
DUP-14	Iron	17000	B		NA	NA	NA
SSHS-B78-2-6 (3.5)	Lead	93	NA	70	93	J	7
DUP-14	Lead	45	NA		45	J	7
SSHS-B78-2-6 (3.5)	Magnesium	2000	NA	11	NA	NA	NA
DUP-14	Magnesium	1800	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Manganese	510	NA	0	NA	NA	NA
DUP-14	Manganese	510	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Nickel	14	NA	0	NA	NA	NA
DUP-14	Nickel	14	B		NA	NA	NA
SSHS-B78-2-6 (3.5)	Potassium	680	B	23	NA	NA	NA
DUP-14	Potassium	540	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Selenium	0.73	J	NC	NA	NA	NA
DUP-14	Selenium	0.47	J		NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result (mg/kg)**	**Validation Qualifier**	**Reason code**
SSHS-B78-2-6 (3.5)	Sodium	120	J	NC	NA	NA	NA
DUP-14	Sodium	110	J		NA	NA	NA
SSHS-B78-2-6 (3.5)	Vanadium	15	NA	31	NA	NA	NA
DUP-14	Vanadium	11	NA		NA	NA	NA
SSHS-B78-2-6 (3.5)	Zinc	100	B	45	NA	NA	NA
DUP-14	Zinc	63	B		NA	NA	NA
SSHS-B78-2-6 (3.5)	The other metals	ND	NA	0	NA	NA	NA
DUP-14	The other metals	ND	NA		NA	NA	NA
SSHS-B80-2-6 (5)	Aluminum	5700	NA	12	NA	NA	NA
DUP-15	Aluminum	6400	NA		NA	NA	NA
SSHS-B80-2-6 (5)	Arsenic	5.6	NA	26	NA	NA	NA
DUP-15	Arsenic	7.3	NA		NA	NA	NA
SSHS-B80-2-6 (5)	Barium	48	NA	4	NA	NA	NA
DUP-15	Barium	46	NA		NA	NA	NA
SSHS-B80-2-6 (5)	Beryllium	0.25	J	NC	NA	NA	NA
DUP-15	Beryllium	0.30	J		NA	NA	NA
SSHS-B80-2-6 (5)	Cadmium	0.014	U	NC	NA	NA	NA
DUP-15	Cadmium	0.075	J,B		NA	NA	NA
SSHS-B80-2-6 (5)	Calcium	7900	NA	33	NA	NA	NA
DUP-15	Calcium	11000	NA		NA	NA	NA
SSHS-B80-2-6 (5)	Chromium	7.3	NA	12	NA	NA	NA
DUP-15	Chromium	8.2	NA		NA	NA	NA
SSHS-B80-2-6 (5)	Cobalt	5.3	NA	9	NA	NA	NA
DUP-15	Cobalt	5.8	NA		NA	NA	NA
SSHS-B80-2-6 (5)	Copper	21	NA	10	NA	NA	NA
DUP-15	Copper	19	NA		NA	NA	NA
SSHS-B80-2-6 (5)	Iron	14000	B	7	NA	NA	NA
DUP-15	Iron	15000	B		NA	NA	NA
SSHS-B80-2-6 (5)	Lead	6.1	NA	29	NA	NA	NA
DUP-15	Lead	8.2	NA		NA	NA	NA
SSHS-B80-2-6 (5)	Magnesium	5300	NA	25	NA	NA	NA
DUP-15	Magnesium	6800	NA		NA	NA	NA
SSHS-B80-2-6 (5)	Manganese	590	NA	29	NA	NA	NA
DUP-15	Manganese	440	NA		NA	NA	NA
SSHS-B80-2-6 (5)	Nickel	12	NA	15	NA	NA	NA
DUP-15	Nickel	14	B		NA	NA	NA
SSHS-B80-2-6 (5)	Potassium	550	B	20	NA	NA	NA
DUP-15	Potassium	670	NA		NA	NA	NA
SSHS-B80-2-6 (5)	Selenium	0.37	J	NC	NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result (mg/kg)**	**Validation Qualifier**	**Reason code**
DUP-15	Selenium	0.52	J		NA	NA	NA
SSHS-B80-2-6 (5)	Sodium	160	J	NC	NA	NA	NA
DUP-15	Sodium	190	J		NA	NA	NA
SSHS-B80-2-6 (5)	Vanadium	10	NA	18	NA	NA	NA
DUP-15	Vanadium	12	NA		NA	NA	NA
SSHS-B80-2-6 (5)	Zinc	50	B	8	NA	NA	NA
DUP-15	Zinc	46	B		NA	NA	NA
SSHS-B80-2-6 (5)	The other metals	ND	NA	0	NA	NA	NA
DUP-15	The other metals	ND	NA		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Aluminum	5000	NA	6	NA	NA	NA
DUP-16	Aluminum	4700	NA		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Antimony	0.56	J	NC	NA	NA	NA
DUP-16	Antimony	0.19	U		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Arsenic	6.6	NA	3	NA	NA	NA
DUP-16	Arsenic	6.8	NA		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Barium	53	NA	14	NA	NA	NA
DUP-16	Barium	46	NA		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Beryllium	0.20	J	NC	NA	NA	NA
DUP-16	Beryllium	0.19	J		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Cadmium	0.015	U	NC	NA	NA	NA
DUP-16	Cadmium	0.075	J,B		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Calcium	47000	NA	4	NA	NA	NA
DUP-16	Calcium	49000	NA		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Chromium	7.1	NA	10	NA	NA	NA
DUP-16	Chromium	6.4	NA		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Cobalt	4.7	J	NC	NA	NA	NA
DUP-16	Cobalt	4.6	J		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Copper	23	NA	8	NA	NA	NA
DUP-16	Copper	25	NA		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Iron	13000	B	17	NA	NA	NA

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	RPD	Validation Result (mg/kg)	Validation Qualifier	Reason code
DUP-16	Iron	11000	B		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Lead	5.3	NA	10	NA	NA	NA
DUP-16	Lead	4.8	NA		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Magnesium	12000	NA	9	NA	NA	NA
DUP-16	Magnesium	11000	NA		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Manganese	480	NA	4	NA	NA	NA
DUP-16	Manganese	500	NA		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Nickel	18	NA	5	NA	NA	NA
DUP-16	Nickel	19	B		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Potassium	550	B	0	NA	NA	NA
DUP-16	Potassium	550	NA		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Selenium	0.70	J	NC	NA	NA	NA
DUP-16	Selenium	0.25	U		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Sodium	78	J	NC	NA	NA	NA
DUP-16	Sodium	75	J		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Vanadium	8.7	NA	6	NA	NA	NA
DUP-16	Vanadium	8.2	NA		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	Zinc	49	B	15	NA	NA	NA
DUP-16	Zinc	42	B		NA	NA	NA
SSHS-B26-A-13.5-15.5 (15)	The other metals	ND	NA	0	NA	NA	NA
DUP-16	The other metals	ND	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Aluminum	3500	NA	12	NA	NA	NA
DUP-17	Aluminum	3100	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Antimony	2.7	NA	52	NA	NA	NA
DUP-17	Antimony	4.6	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Arsenic	17	NA	16	NA	NA	NA
DUP-17	Arsenic	20	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Barium	140	NA	24	NA	NA	NA
DUP-17	Barium	110	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Beryllium	0.92	NA	13	NA	NA	NA
DUP-17	Beryllium	0.81	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Cadmium	0.069	J	NC	NA	NA	NA

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	RPD	Validation Result (mg/kg)	Validation Qualifier	Reason code
DUP-17	Cadmium	0.14	J,B		NA	NA	NA
SSHS-B101-3-6 (4)	Calcium	2000	NA	14	NA	NA	NA
DUP-17	Calcium	2300	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Chromium	9.3	NA	0	NA	NA	NA
DUP-17	Chromium	9.3	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Cobalt	7.2	NA	42	NA	NA	NA
DUP-17	Cobalt	11	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Copper	70	NA	6	NA	NA	NA
DUP-17	Copper	74	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Iron	29000	NA	10	NA	NA	NA
DUP-17	Iron	32000	B		NA	NA	NA
SSHS-B101-3-6 (4)	Lead	120	NA	0	NA	NA	NA
DUP-17	Lead	120	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Magnesium	850	NA	NC	NA	NA	NA
DUP-17	Magnesium	390	J		NA	NA	NA
SSHS-B101-3-6 (4)	Manganese	180	NA	11	NA	NA	NA
DUP-17	Manganese	200	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Nickel	16	NA	22	NA	NA	NA
DUP-17	Nickel	20	B		NA	NA	NA
SSHS-B101-3-6 (4)	Potassium	440	J	NC	NA	NA	NA
DUP-17	Potassium	470	J		NA	NA	NA
SSHS-B101-3-6 (4)	Selenium	1.8	NA	5	NA	NA	NA
DUP-17	Selenium	1.9	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Sodium	180	J	NC	NA	NA	NA
DUP-17	Sodium	220	J		NA	NA	NA
SSHS-B101-3-6 (4)	Vanadium	18	NA	11	NA	NA	NA
DUP-17	Vanadium	20	NA		NA	NA	NA
SSHS-B101-3-6 (4)	Zinc	68	B	1	NA	NA	NA
DUP-17	Zinc	69	B		NA	NA	NA
SSHS-B101-3-6 (4)	The other metals	ND	NA	0	NA	NA	NA
DUP-17	The other metals	ND	NA		NA	NA	NA
SSHS-B69-4-6R (5)	Aluminum	7100	NA	1	NA	NA	NA
DUP-18	Aluminum	7200	NA		NA	NA	NA
SSHS-B69-4-6R (5)	Antimony	0.23	J	NC	NA	NA	NA
DUP-18	Antimony	0.51	J		NA	NA	NA
SSHS-B69-4-6R (5)	Arsenic	19	NA	11	NA	NA	NA
DUP-18	Arsenic	17	NA		NA	NA	NA
SSHS-B69-4-6R (5)	Barium	100	NA	18	NA	NA	NA
DUP-18	Barium	120	NA		NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result (mg/kg)**	**Validation Qualifier**	**Reason code**
SSHS-B69-4-6R (5)	Beryllium	0.36	J	NC	NA	NA	NA
DUP-18	Beryllium	0.38	J		NA	NA	NA
SSHS-B69-4-6R (5)	Cadmium	0.092	J,B	NC	NA	NA	NA
DUP-18	Cadmium	0.12	J,B		NA	NA	NA
SSHS-B69-4-6R (5)	Calcium	7600	NA	13	NA	NA	NA
DUP-18	Calcium	8700	NA		NA	NA	NA
SSHS-B69-4-6R (5)	Chromium	16	B	98	16	J	7
DUP-18	Chromium	47	NA		47	J	7
SSHS-B69-4-6R (5)	Cobalt	6.2	NA	3	NA	NA	NA
DUP-18	Cobalt	6.4	NA		NA	NA	NA
SSHS-B69-4-6R (5)	Copper	100	NA	26	NA	NA	NA
DUP-18	Copper	130	NA		NA	NA	NA
SSHS-B69-4-6R (5)	Iron	25000	NA	8	NA	NA	NA
DUP-18	Iron	27000	B		NA	NA	NA
SSHS-B69-4-6R (5)	Lead	72	NA	127	72	J	7
DUP-18	Lead	320	NA		320	J	7
SSHS-B69-4-6R (5)	Magnesium	2900	NA	19	NA	NA	NA
DUP-18	Magnesium	3500	NA		NA	NA	NA
SSHS-B69-4-6R (5)	Manganese	340	NA	19	NA	NA	NA
DUP-18	Manganese	410	NA		NA	NA	NA
SSHS-B69-4-6R (5)	Nickel	49	NA	15	NA	NA	NA
DUP-18	Nickel	57	B		NA	NA	NA
SSHS-B69-4-6R (5)	Potassium	660	NA	6	NA	NA	NA
DUP-18	Potassium	700	NA		NA	NA	NA
SSHS-B69-4-6R (5)	Selenium	1.6	NA	6	NA	NA	NA
DUP-18	Selenium	1.5	NA		NA	NA	NA
SSHS-B69-4-6R (5)	Silver	0.046	J	NC	NA	NA	NA
DUP-18	Silver	0.043	U		NA	NA	NA
SSHS-B69-4-6R (5)	Sodium	220	J	NC	NA	NA	NA
DUP-18	Sodium	230	J		NA	NA	NA
SSHS-B69-4-6R (5)	Thallium	0.15	J	NC	NA	NA	NA
DUP-18	Thallium	0.16	U		NA	NA	NA
SSHS-B69-4-6R (5)	Vanadium	14	B	19	NA	NA	NA
DUP-18	Vanadium	17	NA		NA	NA	NA
SSHS-B69-4-6R (5)	Zinc	110	B	10	NA	NA	NA
DUP-18	Zinc	100	B		NA	NA	NA
SSHS-B69-4-6R (5)	The other metals	ND	NA	0	NA	NA	NA
DUP-18	The other metals	ND	NA		NA	NA	NA
SSHS-B77-6-10 (8)	Aluminum	4200	NA	25	NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result (mg/kg)**	**Validation Qualifier**	**Reason code**
DUP-19	Aluminum	5400	NA		NA	NA	NA
SSHS-B77-6-10 (8)	Arsenic	4.9	NA	6	NA	NA	NA
DUP-19	Arsenic	5.2	NA		NA	NA	NA
SSHS-B77-6-10 (8)	Barium	30	NA	10	NA	NA	NA
DUP-19	Barium	33	NA		NA	NA	NA
SSHS-B77-6-10 (8)	Beryllium	0.18	J	NC	NA	NA	NA
DUP-19	Beryllium	0.22	J		NA	NA	NA
SSHS-B77-6-10 (8)	Cadmium	0.047	J	NC	NA	NA	NA
DUP-19	Cadmium	0.073	J,B		NA	NA	NA
SSHS-B77-6-10 (8)	Calcium	31000	NA	3	NA	NA	NA
DUP-19	Calcium	30000	NA		NA	NA	NA
SSHS-B77-6-10 (8)	Chromium	5.7	NA	10	NA	NA	NA
DUP-19	Chromium	6.3	NA		NA	NA	NA
SSHS-B77-6-10 (8)	Cobalt	4.0	J	NC	NA	NA	NA
DUP-19	Cobalt	5.9	NA		NA	NA	NA
SSHS-B77-6-10 (8)	Copper	14	NA	15	NA	NA	NA
DUP-19	Copper	12	NA		NA	NA	NA
SSHS-B77-6-10 (8)	Iron	11000	NA	17	NA	NA	NA
DUP-19	Iron	13000	B		NA	NA	NA
SSHS-B77-6-10 (8)	Lead	4.9	NA	4	NA	NA	NA
DUP-19	Lead	5.1	NA		NA	NA	NA
SSHS-B77-6-10 (8)	Magnesium	4700	NA	9	NA	NA	NA
DUP-19	Magnesium	4300	NA		NA	NA	NA
SSHS-B77-6-10 (8)	Manganese	300	NA	7	NA	NA	NA
DUP-19	Manganese	280	NA		NA	NA	NA
SSHS-B77-6-10 (8)	Nickel	9.8	NA	20	NA	NA	NA
DUP-19	Nickel	12	B		NA	NA	NA
SSHS-B77-6-10 (8)	Potassium	530	J	NC	NA	NA	NA
DUP-19	Potassium	580	NA		NA	NA	NA
SSHS-B77-6-10 (8)	Selenium	0.29	U	NC	NA	NA	NA
DUP-19	Selenium	0.65	J		NA	NA	NA
SSHS-B77-6-10 (8)	Sodium	48	J	NC	NA	NA	NA
DUP-19	Sodium	55	J		NA	NA	NA
SSHS-B77-6-10 (8)	Vanadium	7.8	NA	13	NA	NA	NA
DUP-19	Vanadium	8.9	NA		NA	NA	NA
SSHS-B77-6-10 (8)	Zinc	43	B	2	NA	NA	NA
DUP-19	Zinc	44	B		NA	NA	NA
SSHS-B77-6-10 (8)	The other metals	ND	NA	0	NA	NA	NA
DUP-19	The other metals	ND	NA		NA	NA	NA

mg/kg-milligram per kilogram
J-estimated concentration greater than the MDL and less than the RL
B-compound was detected in both the method blank and sample
U-not detected at the reported MDL
ND-not detected at or above the MDL
NC-not calculable
NA-not applicable

7.9 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were reported for antimony in sample SSHS-B77-10-15 (12.5) due to sample dilution. The MDLs and RLs were the same as those listed in Table C.1 in the QAPP.

7.10 Electronic Data Deliverables Review

Results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140814-EQUIPMENT BLANK-SOIL, was truncated to 20140814-EQUIPMENT BLANK-S in the EDD and the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II reports and the EDDs.

8.0 MERCURY

Seventy-five solid samples, eight solid field duplicate samples, five MS/MSD pairs and one equipment blank were analyzed for mercury per EPA Methods 7470A and 7471B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Source Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity

⊗ Electronic Data Deliverables Review

8.1 Overall Assessment

The mercury data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

8.2 Holding Times

The holding time for mercury analysis of waters and solids are 28 days from sample collection to analysis. The holding times were met for the sample analyses.

8.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six method blanks were reported with the data (batches 116176, 116177, 115423, 116179, 116180 and 116181). Mercury was not detected in the method blanks above the MDL.

8.4 Matrix Spike/Matrix Spike Duplicate

Five sample set specific MS/MSD pairs, using samples SSHS-B67-2-6 (4.5), SSHS-B81-6-10 (8), SSHS-B75-2-6 (3), SSHS-B79-2-6 (4.5) and DUP-17 were reported. The MS/MSD pairs had recovery and RPD results within the QAPP specified acceptance criteria.

It was noted that the recovery criteria for mercury in samples SSHS-B67-2-6 (4.5) were not applicable since the concentrations of mercury in sample SSHS-B67-2-6 (4.5) was greater than four times the spike concentrations. No qualifications were applied to the data.

8.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS/LCSD pair and five LCSs were analyzed. The results for the LCS/LCD pair and LCSs were within the QAPP specified acceptance criteria for recovery and RPD.

8.6 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. Mercury was not detected in the source blank above the MDL.

8.7 Equipment Blank

One equipment blank, 20140814-EQUIPMENT BLANK- SOIL, was collected with the samples. Mercury was not detected in the equipment blank above the MDL.

8.8 Field Duplicate

Eight field duplicate samples, DUP-12, DUP-13, DUP-14, DUP-15, DUP-16, DUP-17, DUP-18 and DUP-19, were collected with the sample set. Acceptable precision (RPD ≤50% for solid samples, if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B81-2-6 (4), SSHS-B84-6-10 (8), SSHS-B78-2-6 (3.5), SSHS-B80-2-6 (5), SSHS-B26-A-13.5-15.5 (15), SSHS-B101-3-6 (4), SSHS-B69-4-6R (5) and SSHS-B77-6-10 (8), respectively.

Compounds/field duplicate pairs with RPDs greater than 50% had one or both sample results less than five times the RLs; therefore, per the specifications of the QAPP, no qualifications were applied to the data for these compounds.

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	RPD
SSHS-B81-2-6 (4)	Mercury	0.018	J	NC
DUP-12	Mercury	0.015	J	
SSHS-B84-6-10 (8)	Mercury	0.012	U	0
DUP-13	Mercury	0.011	U	
SSHS-B78-2-6 (3.5)	Mercury	0.058	NA	21
DUP-14	Mercury	0.047	NA	
SSHS-B80-2-6 (5)	Mercury	0.012	U	NC
DUP-15	Mercury	0.013	J	
SSHS-B26-A-13.5-15.5 (15)	Mercury	0.011	U	0
DUP-16	Mercury	0.011	U	
SSHS-B101-3-6 (4)	Mercury	0.13	NA	67
DUP-17	Mercury	0.065	NA	
SSHS-B69-4-6R (5)	Mercury	0.11	NA	17
DUP-18	Mercury	0.13	NA	
SSHS-B77-6-10 (8)	Mercury	0.011	U	0
DUP-19	Mercury	0.011	U	

mg/kg-milligram per kilogram
J-estimated concentration greater than the MDL and less than the RL
U-not detected at the reported MDL
NC-not calculable
NA-not applicable

8.9 Sensitivity

The sample was reported to the MDL. No elevated nondetect results were reported. The MDL and RL were the same as those listed in Table C.1 in the QAPP.

8.10 Electronic Data Deliverables Review

Results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140814-EQUIPMENT BLANK-SOIL, was truncated to 20140814-EQUIPMENT BLANK-S in the EDD and the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II reports and the EDDs.

9.0 CYANIDE

Seventy-five solid samples, eight solid field duplicate samples, four MS/MSD pairs and one equipment blank were analyzed for cyanide per EPA Methods 9010C/9014.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
⊗ Method Blank
⊗ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Source Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity
⊗ Electronic Data Deliverables Review

9.1 Overall Assessment

The cyanide data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

9.2 Holding Times

The holding times for cyanide analysis of a waters and solids are 14 days from sample collection to analysis. The holding times were met for the sample analyses.

9.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Seven method blanks were reported with the data (batches 115605, 115650, 115799, 115921, 116102, 115800 and 116219). Cyanide was not detected in the method blanks above the MDL, with the following exceptions.

Cyanide was detected at estimated concentrations greater than the MDL and less than the RL in the method blanks in batches 115921 and 116219. Therefore, the estimated concentrations of cyanide in the associated samples were U qualified as not detected at the RL.

Sample ID	Compound	Laboratory Concentration (mg/kg)	Laboratory Flag	Validation Concentration (mg/kg)	Validation Qualifier	Reason Code
SSHS-B101-12-15.5R (15)	Cyanide, Total	0.21	J,B	0.57	U	3
SSHS-B101-8-10 (9)	Cyanide, Total	0.46	J,B	0.62	U	3
SSHS-B26-A-0.17-2 (0.5)	Cyanide, Total	0.52	J,B	0.58	U	3
SSHS-B81-0.17-2 (1.5)	Cyanide, Total	0.30	J,B	0.55	U	3
SSHS-B26-A-6-8 (7)	Cyanide, Total	0.47	J,B	0.55	U	3
SSHS-B26-A-SS	Cyanide, Total	0.27	J,B	0.68	U	3
SSHS-B70-0.17-2 (1)	Cyanide, Total	0.17	J,B	0.56	U	3
SSHS-B70-10-14 (12.5)	Cyanide, Total	0.17	J,B	0.58	U	3

Sample ID	Compound	Laboratory Concentration (mg/kg)	Laboratory Flag	Validation Concentration (mg/kg)	Validation Qualifier	Reason Code
SSHS-B70-2-6 (3.5)	Cyanide, Total	0.2	J,B	0.55	U	3
SSHS-B70-SS	Cyanide, Total	0.34	J,B	0.64	U	3

mg/kg-milligram per kilogram
J-estimated concentration greater than the MDL and less than the RL
B-compound was detected in both the method blank and sample
U-not detected at the reported MDL
NA-not applicable

9.4 Matrix Spike/Matrix Spike Duplicate

Four sample set specific MS/MSD pairs, using samples SSHS-B67-2-6 (4.5), SSHS-B81-0.17-2 (1.5), SSHS-B75-2-6 (3) and SSHS-B79-2-6 (4.5) and four MSs using samples SSHS-B65-8-10 (9), SSHS-B81-2-6 (4), SSHS-B84-10-14 (12) and SSHS-B70-2-6 (3.5) were reported. The recovery and RPD results of the MS/MSD pairs and MSs were within the laboratory specified acceptance criteria, with the following exception; there were no cyanide acceptance criteria in the QAPP.

The recovery of cyanide was high in the MS using sample SSHS-B81-2-6 (4). Therefore, the cyanide concentration in sample SSHS-B81-2-6 (4) was J+ qualified as estimated with a high bias.

Sample ID	Compound	Laboratory Concentration (mg/kg)	Laboratory Flab	Validation Concentration (mg/kg)	Validation Qualifier	Reason Code
SSHS-B81-2-6 (4)	Cyanide, Total	0.36	J	0.36	J+	4

mg/kg-milligram per kilogram
J-estimated concentration greater than the MDL and less than the RL

9.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Seven LCSs, seven low LCSs (LLCS) and seven high LCSs (HLCS) were reported. The results for the LCSs, LLCSs and HCLSs were within the laboratory specified acceptance criteria for recovery; there were no cyanide acceptance criteria in the QAPP.

9.6 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. Cyanide was not detected in the source blank above the MDL in the source blank.

9.7 Equipment Blank

One equipment blank, 20140814-EQUIPMENT BLANK-SOIL, was collected with the soil samples. Cyanide was not detected in the equipment blank above the MDL.

9.8 Field Duplicate

Eight field duplicate samples, DUP-12, DUP-13, DUP-14, DUP-15, DUP-16, DUP-17, DUP-18 and DUP-19, were collected with the sample set. Acceptable precision (RPD $\leq$50% for solid samples, if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B81-2-6 (4), SSHS-B84-6-10 (8), SSHS-B78-2-6 (3.5), SSHS-B80-2-6 (5), SSHS-B26-A-13.5-15.5 (15), SSHS-B101-3-6 (4), SSHS-B69-4-6R (5) and SSHS-B77-6-10 (8), respectively.

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**
SSHS-B81-2-6 (4)	Cyanide, Total	0.36	J	NC
DUP-12	Cyanide, Total	3.2	NA	
SSHS-B84-6-10 (8)	Cyanide, Total	0.16	U	0
DUP-13	Cyanide, Total	0.16	U	
SSHS-B78-2-6 (3.5)	Cyanide, Total	0.80	NA	NC
DUP-14	Cyanide, Total	0.41	J	
SSHS-B80-2-6 (5)	Cyanide, Total	0.16	U	0
DUP-15	Cyanide, Total	0.16	U	
SSHS-B26-A-13.5-15.5 (15)	Cyanide, Total	0.62	B	27
DUP-16	Cyanide, Total	0.81	NA	
SSHS-B101-3-6 (4)	Cyanide, Total	0.38	J	NC
DUP-17	Cyanide, Total	0.31	J	
SSHS-B69-4-6R (5)	Cyanide, Total	0.55	J	NC
DUP-18	Cyanide, Total	0.16	U	
SSHS-B77-6-10 (8)	Cyanide, Total	0.16	U	0
DUP-19	Cyanide, Total	0.16	U	

mg/kg-milligram per kilogram
J-estimated concentration greater than the MDL and less than the RL
B-compound was detected in both the method blank and sample
U-not detected at the reported MDL
NC-not calculable

NA-not applicable

9.9 Sensitivity

The sample was reported to the MDLs. No elevated nondetect results were reported. The MDL and RL were not listed for cyanide in Table C.1 in the QAPP.

9.10 Electronic Data Deliverables Review

Results and sample IDs in the EDDs were reviewed against the information provided by the associated level II report at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140812-EQUIPMENT BLANK-SOIL, was truncated to 20140812-EQUIPMENT BLANK-SO in the EDD and the sample IDs in the EDDs included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level II report and the EDDs.

* * * * *

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; however, the associated numerical value is likely to be higher that the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.
J-	The analyte was positively identified; however, the associated numerical value is likely to be lower that the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	Analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS recovery outside limits
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other

RPD-relative percent difference

ATTACHMENT 3
Organochlorine Pesticide Qualifications Due to RPDs between GC Columns

Sample ID	**Compound**	**Laboratory Concentration (µg/L)**	**Laboratory Flag**	**Validation Concentration (µg/L)**	**Validation Qualifier**	**Reason Code**
20140814-EQUIPMENT BLANK- SOIL	beta-BHC	0.0019	p	0.0019	J	13

µg/L-microgram per liter
p-laboratory flag indicating the RPD between the two columns is greater than 40% RPD; the lower concentration was reported

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B65-0.17-2 (1)	4,4'-DDD	3.4	p	3.4	U	13
SSHS-B65-0.17-2 (1)	Aldrin	63	p	63	U	13
SSHS-B65-0.17-2 (1)	alpha-Chlordane	1.8	p	1.8	U	13
SSHS-B65-0.17-2 (1)	beta-BHC	18	p	18	U	13
SSHS-B65-0.17-2 (1)	Endosulfan I	14	NA	14	U	13
SSHS-B65-0.17-2 (1)	Endosulfan II	1.1	J,p	1.8	U	13
SSHS-B65-0.17-2 (1)	Endosulfan sulfate	7.3	p	7.3	U	13
SSHS-B65-0.17-2 (1)	Endrin	35	p	35	U	13
SSHS-B65-0.17-2 (1)	Endrin aldehyde	4.1	p	4.1	U	13
SSHS-B65-0.17-2 (1)	Endrin ketone	5.4	p	5.4	U	13
SSHS-B65-0.17-2 (1)	gamma-BHC (Lindane)	0.48	J,p	1.8	U	13
SSHS-B65-0.17-2 (1)	gamma-Chlordane	160	NA	160	U	13
SSHS-B65-0.17-2 (1)	Heptachlor	18	p	18	U	13
SSHS-B65-0.17-2 (1)	Heptachlor epoxide	140	p	140	U	13
SSHS-B65-0.17-2 (1)	Methoxychlor	2.1	J,p	1.8	U	13
SSHS-B65-10-12	4,4'-DDD	0.24	J,p	0.24	J	13

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
(11)						
SSHS-B65-4-6 (4)	4,4'-DDE	13	p	13	U	13
SSHS-B65-4-6 (4)	4,4'-DDT	71	p	71	U	13
SSHS-B65-4-6 (4)	Aldrin	1.1	J,p	1.9	U	13
SSHS-B65-4-6 (4)	alpha-Chlordane	23	p	23	U	13
SSHS-B65-4-6 (4)	beta-BHC	72	p	72	U	13
SSHS-B65-4-6 (4)	Dieldrin	54	NA	54	U	13
SSHS-B65-4-6 (4)	Endosulfan II	19	p	19	U	13
SSHS-B65-4-6 (4)	Endosulfan sulfate	60	p	60	U	13
SSHS-B65-4-6 (4)	Endrin ketone	46	p	46	U	13
SSHS-B65-4-6 (4)	gamma-BHC (Lindane)	2.3	p	2.3	U	13
SSHS-B65-4-6 (4)	Methoxychlor	14	p	14	U	13
SSHS-B65-4-6 (4)DL	Endrin	370	p	370	U	13
SSHS-B65-4-6 (4)DL	gamma-Chlordane	1200	NA	1200	U	13
SSHS-B65-4-6 (4)DL	Heptachlor epoxide	1300	NA	1300	U	13
SSHS-B65-8-10 (9)	4,4'-DDD	2.1	p	2.1	U	13
SSHS-B65-8-10 (9)	4,4'-DDT	5.6	p	5.6	U	13
SSHS-B65-8-10 (9)	Aldrin	0.54	J,p	2.1	U	13
SSHS-B65-8-10 (9)	beta-BHC	1.7	J,p	2.1	U	13
SSHS-B65-8-10 (9)	Endosulfan sulfate	2.1	p	2.1	U	13
SSHS-B65-8-10 (9)	Endrin	17	p	17	U	13
SSHS-B65-8-10 (9)	Endrin ketone	1.0	J,p	2.1	U	13
SSHS-B65-8-10 (9)	gamma-Chlordane	12	p	12	U	13
SSHS-B65-8-10	Heptachlor	4.0	p	4	U	13

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
(9)						
SSHS-B65-8-10 (9)	Heptachlor epoxide	25	p	25	U	13
SSHS-B65-8-10 (9)	Methoxychlor	1.9	J,p	2.1	U	13
SSHS-B66-0.17-2 (1)	4,4'-DDD	4.8	p	4.8	U	13
SSHS-B66-0.17-2 (1)	alpha-Chlordane	3.5	p	3.5	U	13
SSHS-B66-0.17-2 (1)	beta-BHC	31	p	31	U	13
SSHS-B66-0.17-2 (1)	Endosulfan I	28	NA	28	U	13
SSHS-B66-0.17-2 (1)	Endosulfan II	2.2	p	2.2	U	13
SSHS-B66-0.17-2 (1)	Endosulfan sulfate	11	p	11	U	13
SSHS-B66-0.17-2 (1)	Endrin	69	p	69	U	13
SSHS-B66-0.17-2 (1)	Endrin aldehyde	8.8	p	8.8	U	13
SSHS-B66-0.17-2 (1)	Endrin ketone	10	p	10	U	13
SSHS-B66-0.17-2 (1)	gamma-BHC (Lindane)	1.2	J,p	1.8	U	13
SSHS-B66-0.17-2 (1)	gamma-Chlordane	240	p	240	U	13
SSHS-B66-0.17-2 (1)	Heptachlor	34	p	34	U	13
SSHS-B66-0.17-2 (1)	Methoxychlor	65	p	65	U	13
SSHS-B66-0.17-2 (1)DL	Heptachlor epoxide	490		490	U	13
SSHS-B66-2-4 (3)	4,4'-DDD	4.8	p	4.8	U	13
SSHS-B66-2-4 (3)	4,4'-DDT	22	p	22	U	13
SSHS-B66-2-4 (3)	alpha-Chlordane	6.9	p	6.9	U	13
SSHS-B66-2-4 (3)	beta-BHC	31	p	31	U	13
SSHS-B66-2-4 (3)	Endosulfan II	2.3	p	2.3	U	13
SSHS-B66-2-4 (3)	Endosulfan sulfate	9.9	p	9.9	U	13
SSHS-B66-2-4	Endrin	70	p	70	U	13

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
(3)						
SSHS-B66-2-4 (3)	Endrin aldehyde	10	p	10	U	13
SSHS-B66-2-4 (3)	Endrin ketone	11	p	11	U	13
SSHS-B66-2-4 (3)	gamma-BHC (Lindane)	0.71	J,p	1.9	U	13
SSHS-B66-2-4 (3)	gamma-Chlordane	220	p	220	U	13
SSHS-B66-2-4 (3)	Heptachlor	34	p	34	U	13
SSHS-B66-2-4 (3)	Heptachlor epoxide	280	NA	280	U	13
SSHS-B66-2-4 (3)	Methoxychlor	3.3	J,p	3.3	U	13
SSHS-B66-6-8R (7)	4,4'-DDD	1.1	J,p	1.8	U	13
SSHS-B66-6-8R (7)	4,4'-DDT	1.3	J,p	1.8	U	13
SSHS-B66-6-8R (7)	Dieldrin	0.76	J	1.8	U	13
SSHS-B66-6-8R (7)	Endosulfan I	0.98	J	1.8	U	13
SSHS-B66-6-8R (7)	Endosulfan sulfate	1.0	J,p	1.8	U	13
SSHS-B66-6-8R (7)	Endrin	4.5	p	1.8	U	13
SSHS-B66-6-8R (7)	Endrin aldehyde	0.4	J,p	1.8	U	13
SSHS-B66-6-8R (7)	Endrin ketone	1.4	J,p	1.8	U	13
SSHS-B66-6-8R (7)	gamma-Chlordane	8.2	p	1.8	U	13
SSHS-B66-6-8R (7)	Heptachlor	0.76	J,p	1.8	U	13
SSHS-B66-6-8R (7)	Heptachlor epoxide	9.0	p	9.0	U	13
SSHS-B66-6-8R (7)	Methoxychlor	0.66	J,p	3.5	U	13
SSHS-B67-0.17-2 (1)	4,4'-DDD	22	p	22	U	13
SSHS-B67-0.17-2 (1)	4,4'-DDT	200	p	200	U	13
SSHS-B67-0.17-2 (1)	alpha-Chlordane	54	p	54	U	13
SSHS-B67-0.17-	Dieldrin	120	NA	120	U	13

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
2 (1)						
SSHS-B67-0.17-2 (1)	Endosulfan II	33	p	33	U	13
SSHS-B67-0.17-2 (1)	Endosulfan sulfate	110	p	110	U	13
SSHS-B67-0.17-2 (1)	Endrin aldehyde	130	NA	130	U	13
SSHS-B67-0.17-2 (1)	Endrin ketone	83	p	83	U	13
SSHS-B67-0.17-2 (1)	gamma-BHC (Lindane)	27	p	27	U	13
SSHS-B67-0.17-2 (1)DL	beta-BHC	450	p	450	U	13
SSHS-B67-0.17-2 (1)DL	Endrin	680	p	680	U	13
SSHS-B67-0.17-2 (1)DL	Heptachlor	590	p	590	U	13
SSHS-B67-0.17-2 (1)DL	Heptachlor epoxide	4500	NA	4500	U	13
SSHS-B67-0.17-2 (1)DL	Methoxychlor	650	p	650	U	13
SSHS-B67-10-12 (11)	delta-BHC	0.63	J,p	1.8	U	13
SSHS-B67-10-12 (11)	gamma-Chlordane	0.76	J	1.8	U	13
SSHS-B67-10-12 (11)	Heptachlor epoxide	0.62	J,p	1.8	U	13
SSHS-B67-2-6 (4.5)	4,4'-DDD	10	p	10	U	13
SSHS-B67-2-6 (4.5)	4,4'-DDT	150	p	150	U	13
SSHS-B67-2-6 (4.5)	alpha-Chlordane	40	p	40	U	13
SSHS-B67-2-6 (4.5)	beta-BHC	220	p	220	U	13
SSHS-B67-2-6 (4.5)	Dieldrin	82	NANA	82	U	13
SSHS-B67-2-6 (4.5)	Endosulfan II	30	p	30	U	13
SSHS-B67-2-6 (4.5)	Endosulfan sulfate	78	p	78	U	13
SSHS-B67-2-6 (4.5)	Endrin ketone	58	p	58	U	13
SSHS-B67-2-6 (4.5)	gamma-BHC (Lindane)	17	p	17	U	13
SSHS-B67-2-6	Heptachlor	250	p	250	U	13

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
(4.5)						
SSHS-B67-2-6 (4.5)DL	Aldrin	880	p	880	U	13
SSHS-B67-2-6 (4.5)DL	Endrin	490	p	490	U	13
SSHS-B67-2-6 (4.5)DL	Heptachlor epoxide	2700		2700	U	13
SSHS-B67-2-6 (4.5)DL	Methoxychlor	470	p	470	U	13
SSHS-B67-8-10 (9)	4,4'-DDT	0.4	J,p	1.9	U	13
SSHS-B67-8-10 (9)	beta-BHC	0.59	J,p	1.9	U	13
SSHS-B67-8-10 (9)	Endosulfan I	0.45	J,p	1.9	U	13
SSHS-B67-8-10 (9)	Endrin	1.9	p	1.9	U	13
SSHS-B67-8-10 (9)	gamma-Chlordane	7.6	NA	7.6	U	13
SSHS-B67-8-10 (9)	Heptachlor	1.1	J,p	1.9	U	13
SSHS-B67-8-10 (9)	Heptachlor epoxide	9.6	NA	9.6	U	13
SSHS-B67-8-10 (9)	Methoxychlor	0.63	J,p	1.9	U	13
SSHS-B68-0.17-2 (1)	4,4'-DDD	13	p	13	U	13
SSHS-B68-0.17-2 (1)	4,4'-DDT	87	p	87	U	13
SSHS-B68-0.17-2 (1)	alpha-Chlordane	30	p	30	U	13
SSHS-B68-0.17-2 (1)	beta-BHC	71	p	71	U	13
SSHS-B68-0.17-2 (1)	Dieldrin	55	NA	55	U	13
SSHS-B68-0.17-2 (1)	Endosulfan II	15	p	15	U	13
SSHS-B68-0.17-2 (1)	Endosulfan sulfate	52	p	52	U	13
SSHS-B68-0.17-2 (1)	Endrin	270	p	270	U	13
SSHS-B68-0.17-2 (1)	Endrin aldehyde	29	p	29	U	13
SSHS-B68-0.17-2 (1)	Endrin ketone	53	p	53	U	13
SSHS-B68-0.17-	gamma-BHC	2.9	p	2.9	U	13

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
2 (1)	(Lindane)					
SSHS-B68-0.17-2 (1)	Heptachlor	99	p	99	U	13
SSHS-B68-0.17-2 (1)	Methoxychlor	11	p	11	U	13
SSHS-B68-0.17-2 (1)	Aldrin	620	p	620	U	13
SSHS-B68-0.17-2 (1)	gamma-Chlordane	1200	NA	1200	U	13
SSHS-B68-0.17-2 (1)	Heptachlor epoxide	1400	NA	1400	U	13
SSHS-B68-2-6 (5.5)	4,4'-DDD	53	p	53	U	13
SSHS-B68-2-6 (5.5)	4,4'-DDE	6.9	p	6.9	U	13
SSHS-B68-2-6 (5.5)	4,4'-DDT	56	p	56	U	13
SSHS-B68-2-6 (5.5)	alpha-Chlordane	20	p	20	U	13
SSHS-B68-2-6 (5.5)	beta-BHC	92	p	92	U	13
SSHS-B68-2-6 (5.5)	Dieldrin	34	NA	34	U	13
SSHS-B68-2-6 (5.5)	Endosulfan II	9.5	p	9.5	U	13
SSHS-B68-2-6 (5.5)	Endosulfan sulfate	45	p	45	U	13
SSHS-B68-2-6 (5.5)	Endrin	180	p	180	U	13
SSHS-B68-2-6 (5.5)	Endrin aldehyde	27	p	27	U	13
SSHS-B68-2-6 (5.5)	Endrin ketone	29	p	29	U	13
SSHS-B68-2-6 (5.5)	gamma-BHC (Lindane)	5.9	p	5.9	U	13
SSHS-B68-2-6 (5.5)	Heptachlor	100	p	100	U	13
SSHS-B68-2-6 (5.5)	Methoxychlor	160	p	160	U	13
SSHS-B68-2-6 (5.5)DL	gamma-Chlordane	610	p	610	U	13
SSHS-B68-2-6 (5.5)DL	Heptachlor epoxide	1300	NA	1300	U	13
SSHS-B68-6-8R (6.5)	Aldrin	0.36	J,p	1.9	U	13
SSHS-B68-6-8R	delta-BHC	0.83	J,p	1.9	U	13

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
(6.5)						
SSHS-B68-6-8R (6.5)	Endosulfan sulfate	0.84	J,p	1.9	U	13
SSHS-B68-6-8R (6.5)	Endrin ketone	0.28	J,p	1.9	U	13
SSHS-B68-6-8R (6.5)	gamma-Chlordane	4.7	p	4.7	U	13
SSHS-B68-6-8R (6.5)	Heptachlor epoxide	1.4	J,p	1.9	U	13
SSHS-B69-0.17-2 (1)	4,4'-DDD	0.42	J,p	1.8	U	13
SSHS-B69-0.17-2 (1)	4,4'-DDT	1.1	J,p	1.8	U	13
SSHS-B69-0.17-2 (1)	beta-BHC	0.68	J,p	1.8	U	13
SSHS-B69-0.17-2 (1)	Endosulfan sulfate	0.47	J,p	1.8	U	13
SSHS-B69-0.17-2 (1)	Endrin	2.6	p	2.6	U	13
SSHS-B69-0.17-2 (1)	gamma-BHC (Lindane)	0.62	J,p	1.8	U	13
SSHS-B69-0.17-2 (1)	gamma-Chlordane	2.7	p	2.7	U	13
SSHS-B69-0.17-2 (1)	Heptachlor epoxide	6.5	p	6.5	U	13
SSHS-B69-2-4 (4)	4,4'-DDD	290	p	290	U	13
SSHS-B69-2-4 (4)	alpha-Chlordane	110	p	110	U	13
SSHS-B69-2-4 (4)	Dieldrin	200	NA	200	U	13
SSHS-B69-2-4 (4)	Endosulfan II	62	p	62	U	13
SSHS-B69-2-4 (4)	Endosulfan sulfate	170	p	170	U	13
SSHS-B69-2-4 (4)	Endrin aldehyde	97	p	97	U	13
SSHS-B69-2-4 (4)	Endrin ketone	150	p	150	U	13
SSHS-B69-2-4 (4)	gamma-BHC (Lindane)	67	p	67	U	13
SSHS-B69-2-4 (4)DL	Aldrin	2600	p	2600	U	13
SSHS-B69-2-4 (4)DL	beta-BHC	990	p	990	U	13
SSHS-B69-2-4	Endrin	1200	p	1200	U	13

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
(4)DL						
SSHS-B69-2-4 (4)DL	gamma-Chlordane	3300	p	3300	U	13
SSHS-B69-2-4 (4)DL	Heptachlor epoxide	5200	NA	5200	U	13
SSHS-B69-2-4 (4)DL	Methoxychlor	970	p	970	U	13
SSHS-B69-4-6R (5)	4,4'-DDD	2.2	p	2.2	U	13
SSHS-B69-4-6R (5)	4,4'-DDT	34	p	34	U	13
SSHS-B69-4-6R (5)	alpha-Chlordane	12	p	12	U	13
SSHS-B69-4-6R (5)	beta-BHC	110	p	110	U	13
SSHS-B69-4-6R (5)	Endosulfan II	6.5	p	6.5	U	13
SSHS-B69-4-6R (5)	Endosulfan sulfate	21	p	21	U	13
SSHS-B69-4-6R (5)	Endrin	130	p	130	U	13
SSHS-B69-4-6R (5)	Endrin aldehyde	13	p	13	U	13
SSHS-B69-4-6R (5)	Endrin ketone	20	p	20	U	13
SSHS-B69-4-6R (5)	gamma-BHC (Lindane)	9.4	p	9.4	U	13
SSHS-B69-4-6R (5)	Methoxychlor	120	p	120	U	13
SSHS-B69-4-6R (5)DL	Aldrin	360	p	360	U	13
SSHS-B69-4-6R (5)DL	gamma-Chlordane	490	p	490	U	13
SSHS-B69-4-6R (5)DL	Heptachlor epoxide	1000	NA	1000	U	13
SSHS-B76-0.17-2 (1.5)	4,4'-DDD	0.42	J,p	1.9	U	13
SSHS-B76-0.17-2 (1.5)	Aldrin	1.9	p	1.9	U	13
SSHS-B76-0.17-2 (1.5)	Endosulfan sulfate	1.0	J,p	1.9	U	13
SSHS-B76-0.17-2 (1.5)	Endrin	3.6	p	3.6	U	13
SSHS-B76-0.17-2 (1.5)	gamma-Chlordane	4.1	p	4.1	U	13
SSHS-B76-0.17-	Heptachlor	5.5	p	5.5	U	13

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
2 (1.5)	epoxide					
SSHS-B76-0.17-2 (1.5)	Methoxychlor	3.1	J,p	3.7	U	13
SSHS-B76-SS	4,4'-DDD	0.76	J,p	2.1	U	13
SSHS-B76-SS	Aldrin	1.1	J,p	2.1	U	13
SSHS-B76-SS	delta-BHC	1.5	J	2.1	U	13
SSHS-B76-SS	Endosulfan sulfate	0.79	J,p	2.1	U	13
SSHS-B76-SS	Endrin	3.1	p	3.1	U	13
SSHS-B76-SS	Endrin ketone	1	J,p	2.1	U	13
SSHS-B76-SS	gamma-Chlordane	1.7	J,p	2.1	U	13
SSHS-B76-SS	Heptachlor	1.3	J,p	2.1	U	13
SSHS-B76-SS	Heptachlor epoxide	3.3	p	3.3	U	13
SSHS-B76-SS	Methoxychlor	3.3	J,p	4.0	U	13
SSHS-B77-0.17-2 (1.5)	4,4'-DDD	6.0	NA	6.0	U	13
SSHS-B77-0.17-2 (1.5)	4,4'-DDE	3.5	p	3.5	U	13
SSHS-B77-0.17-2 (1.5)	4,4'-DDT	1.7	J,p	1.8	U	13
SSHS-B77-0.17-2 (1.5)	Endosulfan II	0.65	J,p	1.8	U	13
SSHS-B77-0.17-2 (1.5)	gamma-Chlordane	1.7	J,p	1.8	U	13
SSHS-B77-0.17-2 (1.5)	Heptachlor	0.69	J,p	1.8	U	13
SSHS-B77-0.17-2 (1.5)	Heptachlor epoxide	0.34	J,p	1.8	U	13
SSHS-B77-0.17-2 (1.5)	Methoxychlor	2.0	J,p	3.4	U	13
SSHS-B77-6-10 (8)	Heptachlor	0.62	J,p	0.62	J	13
SSHS-B81-2-6 (4)	4,4'-DDD	0.25	J,p	0.25	J	13
SSHS-B84-0.17-2 (1)	4,4'-DDT	1.4	J,p	1.4	J	13
SSHS-B84-0.17-2 (1)	Endrin	2.0	NA	2.0	J	13
SSHS-B84-0.17-2 (1)	gamma-Chlordane	0.58	J,p	0.58	J	13
SSHS-B87-0.17-2 (1.5)	4,4'-DDD	0.4	J,p	1.9	U	13
SSHS-B87-0.17-2 (1.5)	4,4'-DDT	0.51	J,p	1.9	U	13

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B87-0.17-2 (1.5)	Aldrin	1.1	J,p	1.9	U	13
SSHS-B87-0.17-2 (1.5)	delta-BHC	1.2	J	1.9	U	13
SSHS-B87-0.17-2 (1.5)	Endosulfan sulfate	0.44	J,p	1.9	U	13
SSHS-B87-0.17-2 (1.5)	Endrin	3.5	NA	3.5	U	13
SSHS-B87-0.17-2 (1.5)	gamma-Chlordane	3.7	NA	3.7	U	13
SSHS-B87-0.17-2 (1.5)	Heptachlor epoxide	1.6	J,p	1.9	U	13
SSHS-B87-0.17-2 (1.5)	Methoxychlor	2.1	J,p	3.6	U	13
DUP-14	4,4'-DDD	0.33	J,p	0.33	J	13
DUP-14	alpha-BHC	0.43	J,p	0.43	U	13
DUP-17	4,4'-DDD	0.45	J	0.45	U	13
DUP-18	4,4'-DDD	49	p	49	U	13
DUP-18	4,4'-DDT	56	p	56	U	13
DUP-18	Aldrin	16	p	16	U	13
DUP-18	alpha-Chlordane	34	p	34	U	13
DUP-18	beta-BHC	180	p	180	U	13
DUP-18	Dieldrin	28	p	28	U	13
DUP-18	Endosulfan II	13	p	13	U	13
DUP-18	Endosulfan sulfate	32	p	32	U	13
DUP-18	Endrin	180	p	180	U	13
DUP-18	Endrin ketone	26	p	26	U	13
DUP-18	gamma-BHC (Lindane)	25	p	25	U	13
DUP-18	Methoxychlor	160	p	160	U	13
DUP-18DL	gamma-Chlordane	580	p	580	U	13
DUP-18DL	Heptachlor	350	p	350	U	13
DUP-18DL	Heptachlor epoxide	1300	NA	1300	U	13
SSHS-B101-0.17-2 (1)	4,4'-DDD	2.6	p	2.6	U	13
SSHS-B101-0.17-2 (1)	Aldrin	44	p	44	U	13
SSHS-B101-0.17-2 (1)	alpha-Chlordane	2.3	p	2.3	U	13
SSHS-B101-0.17-2 (1)	beta-BHC	6.0	p	6.0	U	13
SSHS-B101-	Dieldrin	7.2	NA	7.2	U	13

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
0.17-2 (1)						
SSHS-B101-0.17-2 (1)	Endosulfan II	1.2	J,p	1.8	U	13
SSHS-B101-0.17-2 (1)	Endosulfan sulfate	7.0	p	7.0	U	13
SSHS-B101-0.17-2 (1)	Endrin	42	p	42	U	13
SSHS-B101-0.17-2 (1)	Endrin aldehyde	7.8	NA	7.8	U	13
SSHS-B101-0.17-2 (1)	Endrin ketone	6.1	p	6.1	U	13
SSHS-B101-0.17-2 (1)	gamma-Chlordane	180	NA	180	U	13
SSHS-B101-0.17-2 (1)	Heptachlor	14	p	14	U	13
SSHS-B101-0.17-2 (1)	Heptachlor epoxide	130	p	130	U	13
SSHS-B101-0.17-2 (1)	Methoxychlor	42	p	42	U	13
SSHS-B101-8-10 (9)	4,4'-DDD	0.69	J,p	2.1	U	13
SSHS-B101-8-10 (9)	4,4'-DDT	0.31	J,p	2.1	U	13
SSHS-B101-8-10 (9)	delta-BHC	3.2	NA	3.2	U	13
SSHS-B101-8-10 (9)	Endosulfan sulfate	0.30	J,p	2.1	U	13
SSHS-B101-8-10 (9)	Endrin	1.9	J,p	2.1	U	13
SSHS-B101-8-10 (9)	gamma-Chlordane	8.1	NA	8.1	U	13
SSHS-B101-8-10 (9)	Heptachlor	0.66	J,p	2.1	U	13
SSHS-B101-8-10 (9)	Heptachlor epoxide	9.7	NA	9.7	U	13
SSHS-B26-A-0.17-2 (0.5)	4,4'-DDD	1.1	J,p	2.0	U	13
SSHS-B26-A-0.17-2 (0.5)	Endosulfan sulfate	1.4	J,p	2.0	U	13
SSHS-B26-A-0.17-2 (0.5)	Endrin	6.6	p	6.6	U	13
SSHS-B26-A-0.17-2 (0.5)	Endrin aldehyde	0.51	J,p	2	U	13
SSHS-B26-A-0.17-2 (0.5)	Endrin ketone	1.4	J,p	2	U	13
SSHS-B26-A-	gamma-	23	NA	23	U	13

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
0.17-2 (0.5)	Chlordane					
SSHS-B26-A-0.17-2 (0.5)	Heptachlor epoxide	9.9	p	9.9	U	13
SSHS-B26-A-0.17-2 (0.5)	Methoxychlor	0.40	J,p	2.0	U	13
SSHS-B26-A-2-6 (2)	4,4'-DDD	1.9	p	1.9	U	13
SSHS-B26-A-2-6 (2)	Aldrin	26	p	26	U	13
SSHS-B26-A-2-6 (2)	alpha-Chlordane	4.4	p	4.4	U	13
SSHS-B26-A-2-6 (2)	beta-BHC	1.3	J,p	1.9	U	13
SSHS-B26-A-2-6 (2)	Dieldrin	7.3	p	7.3	U	13
SSHS-B26-A-2-6 (2)	Endosulfan II	5.8	p	5.8	U	13
SSHS-B26-A-2-6 (2)	Endosulfan sulfate	31	NA	31	U	13
SSHS-B26-A-2-6 (2)	Endrin	80	p	80	U	13
SSHS-B26-A-2-6 (2)	Endrin aldehyde	6.4	p	6.4	U	13
SSHS-B26-A-2-6 (2)	Endrin ketone	21	p	21	U	13
SSHS-B26-A-2-6 (2)	gamma-BHC (Lindane)	0.65	J,p	1.9	U	13
SSHS-B26-A-2-6 (2)	gamma-Chlordane	170		170	U	13
SSHS-B26-A-2-6 (2)	Heptachlor	7.7	p	7.7	U	13
SSHS-B26-A-2-6 (2)	Heptachlor epoxide	130	p	130	U	13
SSHS-B26-A-2-6 (2)	Methoxychlor	4.5	p	4.5	U	13
SSHS-B26-A-6-8 (7)	4,4'-DDT	3.1	p	3.1	U	13
SSHS-B26-A-6-8 (7)	Endosulfan sulfate	1.2	J,p	1.8	U	13
SSHS-B26-A-6-8 (7)	Endrin	1.1	J,p	1.8	U	13
SSHS-B26-A-6-8 (7)	Endrin aldehyde	1.5	J,p	1.8	U	13
SSHS-B26-A-6-8 (7)	gamma-Chlordane	0.72	J	1.8	U	13
SSHS-B26-A-6-	Methoxychlor	0.63	J,p	1.8	U	13

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
8 (7)						
SSHS-B26-A-SS	4,4'-DDD	0.54	J,p	2.3	U	13
SSHS-B26-A-SS	delta-BHC	0.59	J,p	2.3	U	13
SSHS-B26-A-SS	Endosulfan sulfate	0.53	J,p	2.3	U	13
SSHS-B26-A-SS	Endrin	3.4	p	3.4	U	13
SSHS-B26-A-SS	Endrin ketone	0.82	J,p	2.3	U	13
SSHS-B26-A-SS	gamma-Chlordane	4.7	p	4.7	U	13
SSHS-B26-A-SS	Heptachlor epoxide	3.1	p	3.1	U	13
SSHS-B64-0.17-2 (1)	4,4'-DDD	1.1	J,p	1.8	U	13
SSHS-B64-0.17-2 (1)	4,4'-DDT	1.9	p	1.9	U	13
SSHS-B64-0.17-2 (1)	Aldrin	5.6	p	5.6	U	13
SSHS-B64-0.17-2 (1)	alpha-Chlordane	1.2	J,p	1.8	U	13
SSHS-B64-0.17-2 (1)	beta-BHC	1.4	J,p	1.8	U	13
SSHS-B64-0.17-2 (1)	Dieldrin	1.1	J,p	1.8	U	13
SSHS-B64-0.17-2 (1)	Endosulfan sulfate	1.6	J,p	1.8	U	13
SSHS-B64-0.17-2 (1)	Endrin	7.8	p	7.8	U	13
SSHS-B64-0.17-2 (1)	Endrin aldehyde	1.8	NA	1.8	U	13
SSHS-B64-0.17-2 (1)	Endrin ketone	1.2	J,p	1.8	U	13
SSHS-B64-0.17-2 (1)	gamma-Chlordane	35	NA	35	U	13
SSHS-B64-0.17-2 (1)	Heptachlor	2.9	p	2.9	U	13
SSHS-B64-0.17-2 (1)	Heptachlor epoxide	28	p	28	U	13
SSHS-B64-0.17-2 (1)	Methoxychlor	0.58	J,p	3.5	U	13
SSHS-B64-4-6 (5)	gamma-Chlordane	0.6	J	2.0	U	13
SSHS-B64-4-6 (5)	Heptachlor	0.52	J,p	2.0	U	13
SSHS-B64-4-6 (5)	Heptachlor epoxide	0.46	J,p	2.0	U	13
SSHS-B64-6-9	delta-BHC	0.79	J,p	2.0	U	13

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
(9)						
SSHS-B64-6-9 (9)	Endrin	0.53	J,p	2.0	U	13
SSHS-B64-6-9 (9)	gamma-Chlordane	2.0	NA	2.0	U	13
SSHS-B64-6-9 (9)	Heptachlor epoxide	1.7	J,p	2.0	U	13
SSHS-B70-0.17-2 (1)	4,4'-DDD	1.9	p	1.9	U	13
SSHS-B70-0.17-2 (1)	Aldrin	4.0	p	4.0	U	13
SSHS-B70-0.17-2 (1)	Endosulfan II	0.53	J,p	1.9	U	13
SSHS-B70-0.17-2 (1)	Endosulfan sulfate	1.3	J,p	1.9	U	13
SSHS-B70-0.17-2 (1)	Endrin	7.8	p	7.8	U	13
SSHS-B70-0.17-2 (1)	Endrin aldehyde	0.40	J,p	1.9	U	13
SSHS-B70-0.17-2 (1)	Endrin ketone	1.4	J,p	1.9	U	13
SSHS-B70-0.17-2 (1)	gamma-Chlordane	31	NA	31	U	13
SSHS-B70-0.17-2 (1)	Heptachlor epoxide	16	p	16	U	13
SSHS-B70-10-14 (12.5)	4,4'-DDD	6.9	p	6.9	U	13
SSHS-B70-10-14 (12.5)	4,4'-DDT	31	p	31	U	13
SSHS-B70-10-14 (12.5)	alpha-Chlordane	1.7	J,p	1.9	U	13
SSHS-B70-10-14 (12.5)	delta-BHC	0.8	J,p	1.9	U	13
SSHS-B70-10-14 (12.5)	Endosulfan II	1.1	J,p	1.9	U	13
SSHS-B70-10-14 (12.5)	Endosulfan sulfate	5.2	p	5.2	U	13
SSHS-B70-10-14 (12.5)	Endrin	98	p	98	U	13
SSHS-B70-10-14 (12.5)	Endrin ketone	1.7	J,p	1.9	U	13
SSHS-B70-10-14 (12.5)	gamma-Chlordane	69	p	69	U	13
SSHS-B70-10-14 (12.5)	Heptachlor epoxide	13	p	13	U	13
SSHS-B70-10-14	Methoxychlor	1.6	J,p	3.7	U	13

Sample ID	**Compound**	**Laboratory Concentration (µg/kg)**	**Laboratory Flag**	**Validation Concentration (µg/kg)**	**Validation Qualifier**	**Reason Code**
(12.5)						
SSHS-B70-2-6 (3.5)	4,4'-DDD	4.8	p	4.8	U	13
SSHS-B70-2-6 (3.5)	4,4'-DDT	7.3	p	7.3	U	13
SSHS-B70-2-6 (3.5)	Aldrin	27	p	27	U	13
SSHS-B70-2-6 (3.5)	alpha-Chlordane	1.5	J,p	1.9	U	13
SSHS-B70-2-6 (3.5)	beta-BHC	7.0	p	7.0	U	13
SSHS-B70-2-6 (3.5)	Endosulfan II	0.33	J,p	1.9	U	13
SSHS-B70-2-6 (3.5)	Endosulfan sulfate	2.7	p	2.7	U	13
SSHS-B70-2-6 (3.5)	Endrin	16	p	16	U	13
SSHS-B70-2-6 (3.5)	Endrin ketone	2.3	p	2.3	U	13
SSHS-B70-2-6 (3.5)	gamma-BHC (Lindane)	0.8	J,p	1.9	U	13
SSHS-B70-2-6 (3.5)	gamma-Chlordane	64	NA	64	U	13
SSHS-B70-2-6 (3.5)	Heptachlor	18	p	18	U	13
SSHS-B70-2-6 (3.5)	Heptachlor epoxide	51	p	51	U	13
SSHS-B70-2-6 (3.5)	Methoxychlor	18	p	18	U	13
SSHS-B70-6-10 (7.5)	4,4'-DDD	36	p	36	U	13
SSHS-B70-6-10 (7.5)	4,4'-DDT	53	p	53	U	13
SSHS-B70-6-10 (7.5)	Aldrin	220	p	220	U	13
SSHS-B70-6-10 (7.5)	alpha-Chlordane	12	p	12	U	13
SSHS-B70-6-10 (7.5)	beta-BHC	43	p	43	U	13
SSHS-B70-6-10 (7.5)	Dieldrin	21	NA	21	U	13
SSHS-B70-6-10 (7.5)	Endosulfan II	5.5	p	5.5	U	13
SSHS-B70-6-10 (7.5)	Endosulfan sulfate	18	p	18	U	13
SSHS-B70-6-10	Endrin	150	p	150	U	13

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
(7.5)						
SSHS-B70-6-10 (7.5)	Endrin ketone	16	p	16	U	13
SSHS-B70-6-10 (7.5)	gamma-BHC (Lindane)	20	p	20	U	13
SSHS-B70-6-10 (7.5)	gamma-Chlordane	230	p	230	U	13
SSHS-B70-6-10 (7.5)	Heptachlor	62	p	62	U	13
SSHS-B70-6-10 (7.5)	Methoxychlor	260	NA	260	U	13
SSHS-B70-6-10 (7.5)DL	Heptachlor epoxide	420	p	420	U	13
SSHS-B70-SS	4,4'-DDD	1.2	J,p	2.2	U	13
SSHS-B70-SS	Aldrin	1.2	J,p	2.2	U	13
SSHS-B70-SS	alpha-Chlordane	0.45	J,p	2.2	U	13
SSHS-B70-SS	delta-BHC	0.73	J,p	2.2	U	13
SSHS-B70-SS	Endosulfan I	0.91	J	2.2	U	13
SSHS-B70-SS	Endosulfan II	0.76	J,p	2.2	U	13
SSHS-B70-SS	Endosulfan sulfate	0.68	J,p	2.2	U	13
SSHS-B70-SS	Endrin	5.8	p	5.8	U	13
SSHS-B70-SS	Endrin aldehyde	0.93	J,p	2.2	U	13
SSHS-B70-SS	Endrin ketone	1	J,p	2.2	U	13
SSHS-B70-SS	Heptachlor epoxide	13	NA	13	U	13
SSHS-B70-SS	Methoxychlor	0.57	J,p	2.2	U	13
SSHS-B75-0.17-2 (1.5)	4,4'-DDD	2.2	p	2.2	U	13
SSHS-B75-0.17-2 (1.5)	4,4'-DDE	3.2	p	3.2	U	13
SSHS-B75-0.17-2 (1.5)	4,4'-DDT	15	p	15	U	13
SSHS-B75-0.17-2 (1.5)	alpha-Chlordane	3.6	p	3.6	U	13
SSHS-B75-0.17-2 (1.5)	beta-BHC	1.2	J,p	1.9	U	13
SSHS-B75-0.17-2 (1.5)	Endosulfan II	1.4	J,p	1.9	U	13
SSHS-B75-0.17-2 (1.5)	Endrin	21	p	21	U	13
SSHS-B75-0.17-2 (1.5)	Endrin aldehyde	1.5	J,p	1.9	U	13
SSHS-B75-0.17-	Endrin ketone	7.1	p	7.1	U	13

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
2 (1.5)						
SSHS-B75-0.17-2 (1.5)	gamma-BHC (Lindane)	0.41	J,p	1.9	U	13
SSHS-B75-0.17-2 (1.5)	gamma-Chlordane	40	p	40	U	13
SSHS-B75-0.17-2 (1.5)	Heptachlor epoxide	42	p	42	U	13
SSHS-B75-0.17-2 (1.5)	Methoxychlor	21	p	21	U	13
SSHS-B75-2-6 (3)	4,4'-DDD	0.29	J,p	1.9	U	13
SSHS-B75-2-6 (3)	delta-BHC	0.48	J,p	1.9	U	13
SSHS-B75-2-6 (3)	Endosulfan sulfate	0.42	J	1.9	U	13
SSHS-B75-2-6 (3)	Endrin	0.85	J,p	1.9	U	13
SSHS-B75-2-6 (3)	gamma-Chlordane	0.59	J,p	1.9	U	13
SSHS-B75-2-6 (3)	Heptachlor epoxide	1.2	J,p	1.9	U	13
SSHS-B75-SS	Endrin	0.76	J	0.76	J	13
SSHS-B78-0.17-2 (1.5)	4,4'-DDD	2.8	p	2.8	U	13
SSHS-B78-0.17-2 (1.5)	4,4'-DDE	0.5	J,p	1.9	U	13
SSHS-B78-0.17-2 (1.5)	4,4'-DDT	2.4	p	2.4	U	13
SSHS-B78-0.17-2 (1.5)	alpha-Chlordane	0.52	J,p	1.9	U	13
SSHS-B78-0.17-2 (1.5)	Dieldrin	0.77	J,p	1.9	U	13
SSHS-B78-0.17-2 (1.5)	Endosulfan sulfate	4	p	4	U	13
SSHS-B78-0.17-2 (1.5)	Endrin	11	NA	11	U	13
SSHS-B78-0.17-2 (1.5)	Endrin aldehyde	0.53	J,p	1.9	U	13
SSHS-B78-0.17-2 (1.5)	Endrin ketone	2.0	p	2.0	U	13
SSHS-B78-0.17-2 (1.5)	gamma-Chlordane	10	p	10	U	13
SSHS-B78-0.17-2 (1.5)	Heptachlor	0.88	J,p	1.9	U	13
SSHS-B78-0.17-	Heptachlor	6.6	p	6.6	U	13

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
2 (1.5)	epoxide					
SSHS-B78-2-6 (3.5)	Endrin	0.55	J,p	0.55	J	13
SSHS-B79-0.17-2 (1)	4,4'-DDD	4.9	p	4.9	U	13
SSHS-B79-0.17-2 (1)	delta-BHC	0.65	J,p	1.9	U	13
SSHS-B79-0.17-2 (1)	Dieldrin	0.97	J,p	1.9	U	13
SSHS-B79-0.17-2 (1)	gamma-Chlordane	0.64	J,p	1.9	U	13
SSHS-B79-0.17-2 (1)	Methoxychlor	3.5	J,p	3.7	U	13
SSHS-B80-0.17-2 (1)	4,4'-DDD	0.30	J,p	1.0	U	13
SSHS-B80-0.17-2 (1)	Methoxychlor	0.84	J,p	1.0	U	13
SSHS-B80-10-14.5 (12.5)	Endosulfan sulfate	0.34	J,p	0.34	J	13
SSHS-B80-10-14.5 (12.5)	Endrin aldehyde	0.41	J,p	0.41	J	13
SSHS-B80-10-14.5 (12.5)	Methoxychlor	2.6	J,p	2.6	J	13

µg/kg-microgram per kilogram
p-laboratory flag indicating the RPD between the two columns is greater than 40% RPD; the lower concentration was reported
J-estimated concentration less than the RL and greater than the MDL
NA-not applicable

Geosyntec consultants

2240 Sutherland Avenue, Suite 107
Knoxville, TN 37919
PH 865.330.0037
FAX 865.330.9949
www.geosyntec.com

Memorandum

Date: 31 October 2014

To: Aron Krasnopler

From: Mary Tyler

Kristoffer Henderson

CC: J. Caprio

Subject: **Stage 4 Data Validation - Level IV Data Deliverable – Volatile Organic Compounds by EPA Methods 5030C/8260C and 5035/8260C, Semivolatile Organic Compounds by EPA Methods 3520C/8270D and 3541/8270D, Organochlorine Pesticides by EPA Methods 3510C/8081B and 3541/8081B, Polychlorinated Biphenyls by EPA Methods 3510C/8082A and 3541/8082A, Metals by EPA Methods 3005A/6010C and 3050B/6010C, Mercury by EPA Methods 7470A and 7471B, Cyanide by EPA Methods 9010C/9014 and Percent Moisture/Solids by Standard Method 2540G – TestAmerica Work Order Numbers 180-35858-1**

SITE: Former Sperry Remington Site-North

INTRODUCTION

This report summarizes the findings of the Stage 4 data validation of twenty-two solid samples, two solid field duplicate samples, two matrix spike/matrix spike duplicate (MS/MSD) pairs and one equipment blank, collected on August 15, 2014, as part of the Former Sperry Remington Site-North sampling event. The analyses were performed at TestAmerica Laboratories, Inc., Pittsburgh, Pennsylvania. The samples were analyzed for the following tests:

- EPA Methods 5030C/8260C and 5035/8260C - Volatile Organic Compounds (VOCs) and Tentatively Identified Compounds (TICs)
- EPA Methods 3520C/8270D and 3541/8270D - Semivolatile Organic Compounds (SVOCs) and TICs
- EPA Methods 3510C/8081B and 3541/8081B – Organochlorine Pesticides
- EPA Methods 3510C/8082A and 3541/8082A - Polychlorinated Biphenyls (PCBs)
- EPA Methods 3005A/6010C and 3050B/6010C – Metals
- EPA Methods7470A and 7471B – Mercury
- EPA Methods 9010C/9014 - Cyanide

- Standard Method 2540G - Percent Moisture/Solids

EXECUTIVE SUMMARY

The samples were handled, prepared and measured in the same manner under similar prescribed conditions.

Overall, based on this Stage 4 data validation covering the quality control (QC) parameters listed below, the data as qualified are usable for meeting project objectives, with the following exceptions. Qualified data should be used within the limitations of the qualification.

The average relative response factors (RRFs) in the initial calibrations for 1,4-dioxane by Method 8260B were below the method and validation specified acceptance criteria; therefore, the undetected values of 1,4-dioxane in the associated water and soil samples were R qualified as rejected.

Based on professional and technical judgment and MS/MSD recoveries less than 20%, the undetected value of benzaldehyde in sample SSHS-B72-6-10 (8) was R qualified as rejected.

The organic data were reviewed based on the Quality Assurance Project Plan (QAPP)/Field Sampling Plan (FSP), Former Sperry Remington Site-North Portion, 777 South Main Street, City of Elmira, Chemung County, NY, NYSDEC Project 808022, Geosyntec Project Number MN0832, July 2014, Agency Review Draft, USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008 (USEPA-540-R-08-01), as well as by the pertinent methods referenced by the data package and professional and technical judgment.

The inorganic data were reviewed based on the QAPP/FSP, USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, OSWER 9240.1-51, EPA 540-R-10-011, January 2010, as well as by the pertinent methods referenced by the data package and professional and technical judgment.

The following samples were analyzed and validated at a Stage 4 level in the data set:

Laboratory ID	Client ID
180-35858-1	SSHS-B72-SS
180-35858-2	SSHS-B72-0.17-2 (1)
180-35858-3	SSHS-B72-3-5 (4)
180-35858-4	SSHS-B72-6-10 (8)
180-35858-4MS	SSHS-B72-6-10 (8)MS

Laboratory ID	Client ID
180-35858-4MSD	SSHS-B72-6-10 (8)MSD
180-35858-5	SSHS-B72-11.5-13.5 (12.5)
180-35858-8	SSHS-B100-0.17-2 (1.5)
180-35858-9	SSHS-B100-4-6 (5.5)
180-35858-10	SSHS-B100-6-10 (8)

Laboratory ID	Client ID
180-35858-11	SSHS-B100-10-13.5 (12)
180-35858-13	SSHS-B43-A-SS
180-35858-14	SSHS-B43-A-0.17-2 (1.5)
180-35858-15	SSHS-B43-A-2-6 (4)
180-35858-15MS	SSHS-B43-A-2-6 (4)MS
180-35858-15MSD	SSHS-B43-A-2-6 (4)MSD
180-35858-16	SSHS-B43-A-7-9 (8)
180-35858-17	SSHS-B43-A-11.5-13.5 (12.5)
180-35858-19	SSHS-B71-0.17-2 (1.5)
180-35858-20	SSHS-B71-2.5-4.5 (3.5)

Laboratory ID	Client ID
180-35858-21	SSHS-B71-6-9.5R (8)
180-35858-22	SSHS-B42-A-SS
180-35858-23	SSHS-B42-A-0.17-2 (1)
180-35858-24	SSHS-B42-A-3-5 (4)
180-35858-25	SSHS-B42-A-7-9 (8)
180-35858-26	SSHS-B42-A-11-13 (12)
180-35858-27	DUP-20
180-35858-28	DUP-21
180-35858-29	20140815-EQUIPMENT BLANK-SOIL

The samples were received at the laboratory at temperatures within the QAPP criteria of <6°C. No sample preservation issues were noted by the laboratory.

Incorrect error corrections were observed on the chain of custody (COC). The proper procedure of a single strike-through correction and initials and date of the person making the correction was not followed.

No times of collection were listed on the COC for the field duplicate samples. The laboratory assigned the collection times of 00:00.

It was noted that the sample ID for the equipment blank, 20140815-EQUIPMENT BLANK-SOIL, was truncated to 20140815-EQUIPMENT BLANK-SO in the electronic data deliverable (EDD). In addition, the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC.

The solids data, used to report the samples on a dry weight bases, were not validated. In addition, TICs were reported with the VOC and SVOC data. As there is no validation guidance for TICs, the TIC data were not validated.

1.0 VOLATILE ORGANIC COMPOUNDS

Twenty-two solid samples, two field duplicate samples, two MS/MSD pairs and one equipment blank were analyzed for VOCs per EPA Methods 5030C/8260C and 5035/8260C.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Times
✓ Instrument Performance Check
⊗ Initial Calibration
✓ Continuing Calibration Verifications
✓ Method Blanks
✓ Matrix Spike/Matrix Spike Duplicate
⊗ Laboratory Control Sample
✓ Surrogates
✓ Source Blank
✓ Equipment Blank
✓ Trip Blank
✓ Field Duplicate
✓ Internal Standards
✓ Target Compound Identification
✓ Target Compound Quantitation
⊗ Sensitivity
⊗ Electronic Data Deliverables Review

1.1 Overall Assessment

The VOC data reported in this package are considered to be usable for meeting project objectives, with the following exceptions. The average RRFs in the initial calibrations for 1,4-dioxane were below the method and validation specified acceptance criteria; therefore, the undetected values of 1,4-dioxane in the associated soil and water samples were R qualified as rejected. The analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 98.4%.

1.2 Holding Times

The holding times for a solid sample are 48 hours from collection to extraction and 14 days from collection to analysis. The holding time for a preserved water sample is 14 days from collection to analysis. The holding times were met for the sample analyses.

1.3 Instrument Performance Check

An instrument performance check sample (tune standard) was analyzed at the beginning of each 12-hour period during sample analysis. The samples were analyzed within the 12-hour period. All ion abundance criteria were met for bromofluorobenzene (BFB).

1.4 Initial Calibration

Appropriate initial calibrations were performed for each analyte. Based on the method of calibration, the laboratory calculated percent relative standard deviation (%RSD) of the RRFs. For the target analytes, the average RRFs and the %RSDs were within the method and validation criteria for the target compounds or the coefficient of determination (r^2) was greater than or equal to 0.990 for the curve fit calibrations. The minimum average RRFs for compounds were above the method and/or the validation criteria, with the following exceptions.

The average RRFs for 1,4-dioxane in the initial calibrations associated with the soil and water samples were below the method criteria of 0.0100 (0.0024, 0.0024 and 0.0022) and also below the validation criteria of 0.0050. Therefore, the undetected values of 1,4-dioxane in the associated soil and water samples were R qualified as rejected.

The method recommends the recalculation of the low initial calibration standard when linear curve fits are used, to verify the viability of detections at the low end of the calibration curve; the recalculated concentration of the low calibration point should be within ± 30% of the standard's true concentration. The percent differences (%Ds) for the target compounds were within the method specified acceptance criteria, with the following exception.

The %Ds for the recalculations of the low initial calibration standard analyzed on 08/04/14 on instrument CHHP4 of bromoform (45.4%) and 2-hexanone (53.3%) were high and outside the method specified acceptance criteria, with high biases; in addition, the %Ds for 1,4-dichlorobenzene (67.7%), 1,2-dichlorobenzene (35.4%) and 1,2,3-trichlorobenzene (34.9%) were high and outside the method specified acceptance criteria, with low biases. Since bromoform and 2-hexanone were not detected in the associated sample, no qualifications were applied to the data. However, the undetected values of 1,2-dichlorobenzene, 1,4-dichlorobenzene and 1,2,3-trichlorobenzene were UJ qualified as estimated less than the method detection limits (MDLs) in the associated sample, based on professional and technical judgment.

Sample ID	**Compound**	**Laboratory Result (µg/L)**	**Laboratory Flag**	**Validation Result (µg/L)**	**Validation Qualifier***	**Reason Code****
20140815-EQUIPMENT	1,4-Dioxane	34	U	34	R	9

Sample ID	Compound	Laboratory Result (µg/L)	Laboratory Flag	Validation Result (µg/L)	Validation Qualifier*	Reason Code**
BLANK-SO						

µg/L-microgram per liter
U-not detected at or above the MDL
*Validation qualifiers are defined in Attachment 1 at the end of this report
** Reason codes are defined in Attachment 2 at the end of this report

Sample ID	Compound	Laboratory Result (µg/kg)	Laboratory Flag	Validation Result (µg/kg)	Validation Qualifier	Reason Code
DUP-20	1,4-Dioxane	250	U	250	R	9
DUP-21	1,4-Dioxane	270	U	270	R	9
SSHS-B100-0.17-2 (1.5)	1,4-Dioxane	290	U	290	R	9
SSHS-B100-10-13.5 (12)	1,4-Dioxane	280	U	280	R	9
SSHS-B100-4-6 (5.5)	1,4-Dioxane	290	U	290	R	9
SSHS-B100-6-10 (8)	1,4-Dioxane	260	U	260	R	9
SSHS-B42-A-0.17-2 (1)	1,4-Dioxane	330	U	330	R	9
SSHS-B42-A-11-13 (12)	1,4-Dioxane	280	U	280	R	9
SSHS-B42-A-3-5 (4)	1,4-Dioxane	410	U	410	R	9
SSHS-B42-A-7-9 (8)	1,4-Dioxane	300	U	300	R	9
SSHS-B42-A-SS	1,4-Dioxane	320	U	320	R	9
SSHS-B43-A-0.17-2 (1.5)	1,4-Dioxane	320	U	320	R	9
SSHS-B43-A-11.5-13.5 (12.5)	1,4-Dioxane	270	U	270	R	9
SSHS-B43-A-2-6 (4)	1,4-Dioxane	260	U	260	R	9
SSHS-B43-A-7-9 (8)	1,4-Dioxane	260	U	260	R	9
SSHS-B43-A-SS	1,4-Dioxane	5200	U	5200	R	9
SSHS-B71-0.17-2 (1.5)	1,4-Dioxane	290	U	290	R	9
SSHS-B71-2.5-4.5 (3.5)	1,4-Dioxane	290	U	290	R	9
SSHS-B71-6-9.5R (8)	1,4-Dioxane	260	U	260	R	9
SSHS-B72-0.17-2 (1)	1,4-Dioxane	250	U	250	R	9
SSHS-B72-11.5-13.5 (12.5)	1,4-Dioxane	230	U	230	R	9
SSHS-B72-3-5 (4)	1,4-Dioxane	230	U	230	R	9
SSHS-B72-6-10 (8)	1,4-Dioxane	260	U	260	R	9
SSHS-B72-SS	1,4-Dioxane	330	U	330	R	9
SSHS-B43-A-SS	1,2,3-Trichlorobenzene	33	U	33	UJ	9
SSHS-B43-A-SS	1,2-Dichlorobenzene	36	U	36	UJ	9
SSHS-B43-A-SS	1,4-Dichlorobenzene	28	U	28	UJ	9

µg/kg-microgram per kilogram
U-not detected at or above the MDL

1.5 Continuing Calibration Verification (CCV)

For the target analytes, the CCVs were performed at the required frequency. The percent difference or percent drift (%D) between the RRFs in the initial and continuing calibration standards for the target analytes were within the method acceptance criteria of less than or equal to 20% and/or the validation criteria of 40% for poor performing compounds and 25% for the other compounds.

1.6 Method Blanks

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six method blanks were reported with the data (batches 115538, 115669, 115779, 115874, 115842 and 115910). VOCs were not detected in the method blanks above the MDLs.

1.7 Matrix Spike/Matrix Spike Duplicate

Two sample set specific MS/MSD pairs, using samples SSHS-B43-A-2-6 (4) and SSHS-B72-6-10 (8), were reported. The MS/MSD pairs had recovery and relative percent difference (RPD) results within the QAPP and laboratory (for 1,4-dioxane and 1,2,3-trichlorobenzene only) specified acceptance criteria, with the following exception.

The recovery of vinyl chloride in the MSD using sample SSHS-B72-6-10 (8) was high and outside the QAPP specified acceptance criteria. Since vinyl chloride was not detected in sample SSHS-B72-6-10 (8), no qualifications were applied to the data.

1.8 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three LCSs and three LCS/LCSD pairs were reported. The results for the LCSs and LCS/LCSD pairs were within the QAPP and laboratory (for 1,4-dioxane and 1,2,3-trichlorobenzene only) specified acceptance criteria for recovery and RPD, with the following exceptions.

One or both the recoveries of trans-1,2-dichloroethene, 1,1,1-trichloroethane, 1,1,2-trichloro-1,2,2-trifluoroethane and carbon tetrachloride in the LCS/LCSD pair in batch 115779 were high and outside the QAPP specified acceptance criteria. Since these four compounds were not detected in the associated samples, no qualifications were applied to the data.

The recoveries of bromomethane and chloroethane were high and the recovery of 1,2-dibromoethane was low, outside the QAPP specified acceptance criteria in the LCSD in batch 115842. Since bromomethane and chloroethane were not detected in the associated samples, no qualifications were applied to the bromomethane and chloroethane data. However, the undetected value of 1,2-dibromoethane in the associated sample was UJ qualified as estimated less than the MDL.

The recoveries of 1,1,2-trichloro-1,2,2-trifluoroethane, carbon tetrachloride, trans-1,2-dichloroethene and 1,1,1-trichloroethane in the LCS/LCSD pair in batch 115874 were high and outside the QAPP specified acceptance criteria. Since these four compounds were not detected in the associated samples, no qualifications were applied to the data.

Sample ID	Compound	Laboratory Result (µg/kg)	Laboratory Flag	Validation Result (µg/kg)	Validation Qualifier	Reason Code
SSHS-B43-A-SS	1,2-Dibromoethane	33	U,*	33	UJ	5

µg/L-microgram per liter
*- LCS or LCSD exceeds the control limits
U-not detected at or above the MDL

1.9 Surrogates

Acceptable surrogate recoveries were reported for the sample analyses, with the following exception.

The recovery of 1,2-dichloroethane-d4 in sample SSHS-B42-A-7-9 (8) was high and outside the laboratory specified acceptance criteria. Since VOCs were not detected in sample SSHS-B42-A-7-9 (8) and the other surrogate recoveries were acceptable, no qualifications were applied to the data.

1.10 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. VOCs were not detected in the source blank above the MDLs.

1.11 Equipment Blank

An equipment blank, 20140815-EQUIPMENT BLANK- SOIL, was collected with the sample set. VOCs were not detected in the equipment blank above the MDLs, with the following exception.

Methylene chloride was detected at an estimated concentration greater than the MDL and less than the reporting limit (RL). Since methylene chloride was not detected in the associated samples, no qualifications were applied to the data.

1.12 Trip Blank

A trip blank was not submitted with the sample set.

1.13 Field Duplicate

Two field duplicate samples, DUP-20 and DUP-21, were collected with the sample set. Acceptable precision (RPD ≤50% if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B71-6-10 (8) and SSHS-B100-10-13.5 (12), respectively.

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**RPD**
SSHS-B71-6-9.5R (8)	The VOCs	ND	NA	0
DUP-20	The VOCs	ND	NA	
SSHS-B100-10-13.5 (12)	2-Butanone (MEK)	0.90	U	NC
DUP-21	2-Butanone (MEK)	1.3	J	
SSHS-B100-10-13.5 (12)	Acetone	5.4	J	NC
DUP-21	Acetone	6.2	J	
SSHS-B100-10-13.5 (12)	The other VOCs	ND	NA	0
DUP-21	The other VOCs	ND	NA	

µg/kg-microgram per kilogram
U-not detected at the reported MDL
J-estimated concentration less than the RL and greater than the MDL
NC-not applicable
ND-not detected at the MDL
NA-not applicable

1.14 Internal Standards

The internal standard areas and retention times were within method limits.

1.15 Target Compound Identifications

The target compound identifications were within the validation criteria.

1.16 Target Compound Quantitation

The compound quantitations were within the validation criteria.

1.17 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were reported for sample SSHS-B43-A-SS; the sample was analyzed as a “high concentration” sample, per EPA method 5035.

The MDLs and RLs were the same as those listed in Tables C.1 and C.2 in the QAPP. It was noted that total 1,2-dichloroethene and total xylenes were not reported by the laboratory, but cis- and trans- 1,2-dichloroethene and o- and m&p- xylenes were reported. The summation of the MDLs and RLs for cis- and trans-1,2-dichloroethene and o- and m-&p-xylene were within the QAPP criteria for total 1,2-dichloroethene and total xylenes, respectively. In addition, 1,4-dioxane and 1,2,3-trichlorobenzene were reported by the laboratory, but not listed in Tables C.1 and C.2 in the QAPP.

The water sample MDLs for 1,2-dibromo-3-chloropropane and 1,2-dibromoethane were greater than the screening criteria listed in Table C.2 of the QAPP.

Compound	**Laboratory MDL (µg/L)**	**QAPP Screening Criteria (µg/L)**
1,2-Dibromoethane	0.18	0.00060
1,2-Dibromo-3-Chloropropane	0.14	0.040

µg/L-microgram per liter

1.18 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level IV report at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140815-EQUIPMENT BLANK-SOIL, was truncated to 20140815-EQUIPMENT BLANK-S in the EDD and the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level IV report and the EDD.

2.0 SEMIVOLATILE ORGANIC COMPOUNDS

Twenty-two solid samples, two field duplicate samples, two MS/MSD pairs and one equipment blank were analyzed for SVOCs per EPA Methods 3520C/8270D and 3541/8270D.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Times
✓ Instrument Performance Check
✓ Initial Calibration
✓ Continuing Calibration
✓ Method Blank
⊗ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
⊗ Source Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Internal Standards
✓ Target Compound Identification
✓ Target Compound Quantitation
✓ Sensitivity
⊗ Electronic Data Deliverable Review

2.1 Overall Assessment

The SVOC data reported in this package are considered to be usable for meeting project objectives, with the following exception. Based on professional and technical judgment and MS/MSD recoveries less than 20%, the undetected value of benzaldehyde in sample SSHS-B72-6-10 (8) was R qualified as rejected. The analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 99.9%.

2.2 Holding Times

The holding times for the SVOC analysis of a solid sample are 14 days from sample collection to extraction and 40 days from extraction to analysis. The holding times for the SVOC analysis of a water sample are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

2.3 Instrument Performance Check

An instrument performance check sample (tune standard) was analyzed at the beginning of each 12-hour period during sample analysis. The samples were analyzed within the 12-hour period. All ion abundance criteria were met for decafluorotriphenylphosphine (DFTPP).

Method 8270D describes the analysis of a standard to assess the gas chromatography (GC) column performance and injection port inertness; analyses of the standard resulted in acceptable results.

2.4 Initial Calibration

Appropriate initial calibrations were performed for each analyte. Based on the method of calibration, the laboratory calculated the %RSDs of the RRFs. For the target analytes, the average RRFs were within the method (20% RSD) and/or validation (20% RSD for compounds not considered poor responders, 40% for poor responders) criteria for the compounds or the coefficient of determination (r^2) was greater than or equal to 0.990 for the curve fit calibrations. The minimum average RRFs for the compounds were above the method criteria.

The method recommends the recalculation of the low initial calibration standard when linear curve fits are used, to verify the viability of detections at the low end of the calibration curve; the recalculated concentration of the low calibration point should be within ± 30% of the standard's true concentration. The %Ds for the target compounds were within the method specified acceptance criteria, with the following exceptions.

The %Ds for the recalculations of pentachlorophenol were high, 68.4%D and 36.3%D, respectively, with high biases in the low initial calibration standards analyzed on 7/28/14 on instrument CH732 and 8/5/14 on instrument CH731. Since pentachlorophenol was not detected in the associated samples, no qualifications were applied to the data

The %Ds for the recalculations for 2,4-dinitrophenol and pentachlorophenol were high, 33.3%D and 53.8%D, respectively, with high biases in the low initial calibration standard analyzed on

8/28/14 on instrument CH731. Since 2,4-dinitrophenol and pentachlorophenol were not detected in the associated samples, no qualifications were applied to the data.

2.5 Continuing Calibration Verification

For the target analytes, the CCV was performed at the required frequency. The CCV RRFs met the method and validation criteria. The %Ds between the RRFs in the initial and continuing calibration standards for the target analytes were within the method acceptance criteria of less than or equal to 20%D and the validation criteria of 40%D for poor performing compounds and 25% D for the compounds, with the following exceptions.

The %Ds for 1,4-dioxane, hexachlorocyclopentadiene and pyrene were high, 30.3%D, 26.4%D and 22%D, respectively, with high biases in the CCV analyzed on 8/25/14 on instrument CH731. Since the aqueous method blank and LCS/LCSD associated with the equipment blank were the only samples associated with this CCV, no qualifications were applied to the data.

2.6 Method Blanks

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three method blanks were reported with the data (batches 115557, 116334 and 116431). SVOCs were not detected in the method blanks above the MDLs.

2.7 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were analyzed at the proper frequency for the number and types of samples analyzed (one pair per batch of 20 samples). Two sample set specific MS/MSD pairs, using samples SSHS-B43-A-2-6 (4) and SSHS-B72-6-10 (8), were reported. The MS/MSD pairs had recovery and RPD results within the QAPP and laboratory (for 1,4-dioxane, 1,2,4,5-tetrachlorobenzene and 2,3,4,6-tetrachlorophenol only) specified acceptance criteria, with the following exceptions.

The recoveries of benzaldehyde were low in both MS/MSD pairs. The recoveries were both 9% in the MS/MSD pair using sample SSHS-B72-6-10 (8) and both 25% in the MS/MSD pair using sample SSHS-B43-A-2-6 (4). Therefore, based on professional and technical judgment and recoveries less than 20%, the undetected value of benzaldehyde in sample SSHS-B72-6-10 (8) was R qualified as rejected and the undetected value of benzaldehyde in sample SSHS-B43-A-2-6 (4) was UJ qualified as estimated less than the MDL.

Sample ID	Compound	Laboratory Result (µg/kg)	Laboratory Flag	Validation Result (µg/kg)	Validation Qualifier	Reason Code
SSHS-B72-6-10 (8)	Benzaldehyde	61	U	61	R	4
SSHS-B43-A-2-6 (4)	Benzaldehyde	56	U	56	UJ	4

µg/kg-microgram per kilogram
U-not detected at or above the MDL

2.8 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs and one LCS/LCSD pair were reported. The results for the LCSs and LCS/LCSD pair were within the laboratory and QAPP and laboratory (for 1,4-dioxane, 1,2,4,5-tetrachlorobenzene and 2,3,4,6-tetrachlorophenol only) specified acceptance criteria for recovery and RPD.

2.9 Surrogate

Acceptable surrogate recoveries were reported for the sample analyses.

2.10 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. The SVOCs were not detected in the source blank above the MDLs, with the following exceptions.

Bis(2-ethylhexyl) phthalate (1.3 µg/L, soil equivalent concentration 23 µg/kg) and butyl benzyl phthalate (0.32 µg/L, soil equivalent concentration 5.5 µg/kg) were detected at estimated concentrations greater than the MDLs and less than the RLs in the source blank. Since the soil equivalent concentrations for these two compounds were less than the soil MDLs, no qualifications were applied to the soil samples. However, for the equipment blank, the estimated concentration of butyl benzyl phthalate was U qualified as not detected at the RL.

Sample ID	Compound	Laboratory Result (µg/L)	Laboratory Flag	Validation Result (µg/L)	Validation Qualifier	Reason Code
EQUIPMENT BLANK-SO	Butyl benzyl phthalate	0.84	J	1.0	U	3

µg/L-microgram per liter
U-not detected at or above the MDL

2.11 Equipment Blank

One equipment blank, 20140815-EQUIPMENT BLANK- SOIL, was collected with the samples. SVOCS were not detected in the equipment blank above the MDLs, with the following exceptions.

Bis(2-ethylhexyl) phthalate was detected at a concentration greater than the RL, 6.0 µg/L; butyl benzyl phthalate and di-n-butyl phthalate were detected at estimated concentrations greater than the MDLs and less than the RLs. The concentration of butyl benzyl phthalate in the equipment blank was U qualified as not detected at the RL due to the source blank contamination. Since bis(2-ethylhexyl) phthalate and di-n-butyl phthalate were not detected in the soil samples, no qualifications were applied to the data.

2.12 Field Duplicate

Two field duplicate samples, DUP-20 and DUP-21, were collected with the sample set. Acceptable precision (RPD ≤50% if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B71-6-10 (8) and SSHS-B100-10-13.5 (12), respectively. The RPDs between the results were 0%.

2.13 Internal Standards

The internal standard areas and retention times were within the method specified acceptance criteria.

2.14 Target Compound Identifications

The target compound identifications were within the validation criteria.

2.15 Compound Quantitation

The compound quantitations were within the validation criteria.

2.16 Sensitivity

The sample was reported to the MDLs. No elevated nondetect results were reported.

The MDLs and RLs reported were 1/10 of those listed in Table C.1 in the QAPP. In addition, 1,2,4,5-tetrachlorobenzene and 2,3,4,6-tetrachlorophenol were reported by the laboratory, but not listed in Table C.1 in the QAPP.

2.17 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level IV report at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140815-EQUIPMENT BLANK-SOIL, was truncated to 20140815-EQUIPMENT BLANK-S in the EDD and the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level IV report and the EDD.

3.0 ORGANOCHLORINE PESTICIDES

Twenty-two solid samples, two field duplicate samples, two MS/MSD pairs and one equipment blank were analyzed for organochlorine pesticides per EPA Methods 3510C/8081B and 3541/8081B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Time
✓ Performance Evaluation Mixture
✓ Initial Calibration
✓ Continuing Calibration
✓ Method Blank
⊗ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
⊗ Source Blank
✓ Equipment Blank
✓ Field Duplicate
⊗ Target Compound Identification
✓ Target Compound Quantitation
✓ Sensitivity
⊗ Electronic Data Deliverable Review

3.1 Overall Assessment

The pesticide data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

3.2 Holding Times

The holding times for the pesticide analysis of solid samples are 14 days from sample collection to extraction and 40 days from extraction to analysis. The holding times for pesticide analysis of water samples are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

3.3 Performance Evaluation Mixture (PEM)

The PEM standards were analyzed at the required frequency. The method specified breakdown criteria of ≤ 15% for endrin and 4,4’-DDT were met.

3.4 Initial Calibration

Initial calibration of the target compounds was performed as required by the method. The %RSDs were less than or equal to the method specified criteria of 20%.

3.5 Continuing Calibration Verification

Continuing calibration verification was performed at the required frequency. The %Ds between the calibration factors in initial calibrations and CCVs were within the method specified criteria of 20%D.

3.6 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three method blanks were reported with the data (batches 115137, 116335 and 116429). The organochlorine pesticides were not detected in the method blanks above the MDLs.

3.7 Matrix Spike/Matrix Spike Duplicate

Two sample set specific MS/MSD pairs, using samples SSHS-B43-A-2-6 (4) and SSHS-B72-6-10 (8), were reported. The MS/MSD pairs had recovery and RPD results within the QAPP specified acceptance criteria, with the following exceptions.

The MS recovery of endrin aldehyde in the MS/MSD pair using sample SSHS-B43-A-2-6 (4) was low and outside the QAPP specified acceptance criteria. The MSD recovery of endosulfan II was low and the RPD was high, both outside the QAPP specified acceptance criteria, in the MS/MSD pair using sample SSHS-B72-6-10 (8). The concentration of endrin aldehyde in sample SSHS-B43-A-2-6 (4) was U qualified as not detected at the RL due to presence of PCBs in the sample; no additional qualifications were applied to this sample based on professional judgment. However, due to the low MSD recovery, the undetected value of endosulfan II in sample SSHS-B72-6-10 (8) was UJ qualified as estimated less than the MDL.

Sample ID	**Compound**	**Laboratory Result (µg/kg)**	**Laboratory Flag**	**Validation Result (µg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B72-6-10 (8)	Endosulfan II	0.35	U	0.35	UJ	4

µg/kg-microgram per kilogram
U-not detected at or above the MDL

3.8 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs and one LCS/LCSD pair were reported. The results for the LCSs and LCS/LCSD pair were within the QAPP specified acceptance criteria for recovery and RPD.

3.9 Surrogate

The surrogate recoveries were within the laboratory specified acceptance criteria.

3.10 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. Organochlorine pesticides were not detected in the source blank above the MDLs, with the following exceptions.

Aldrin and beta-BHC were detected at concentrations greater than the RL, 0.0023 µg/L and 0.0021 µg/L, respectively. Since the aldrin concentrations in the associated soil samples were U qualified as not detected at the RL or U qualified as not detected at the reported concentrations due to presence of PCBs in the samples, no additional qualifications were applied to the soil samples based on professional and technical judgment. Beta-BHC was either not detected or U qualified as not detected at the reported concentrations due to presence of PCBs in the associated samples; therefore, no qualifications were applied to the beta-BHC data. However, the concentration of aldrin the equipment blank was U qualified as not detected at the reported concentration, based on professional and technical judgment.

Sample ID	Compound	Laboratory Result (µg/L)	Laboratory Flag	Validation Result (µg/L)	Validation Qualifier	Reason Code
20140815-EQUIPMENT BLANK-SO	Aldrin	0.0021	NA	0.0021	U	3

µg/L-microgram per liter
NA-not applicable

3.11 Equipment Blank

One equipment blank, 20140815-EQUIPMENT BLANK-SOIL, was collected with the samples. Organochlorine pesticides were not detected in the equipment blank above the MDLs, with the following exception.

Gamma-BHC and aldrin were detected in the equipment blank at concentrations greater than the RLs, both at 0.0021 µg/L (equivalent soil concentrations of 0.14 µg/kg). Since the aldrin concentration in the equipment blank was U qualified as not detected at the reported concentration due to the source blank contamination, no additional qualifications were applied to the aldrin data based on professional judgment. The only detection of gamma-BHC was in sample SSHS-B72-0.17-2 (1), at 6.5 µg/kg. Due to the difference in the equivalent soil concentration in the equipment blank and sample SSHS-B72-0.17-2 (1), no qualifications were applied to the data, based on professional and technical judgment.

3.12 Field Duplicate

Two field duplicate samples, DUP-20 and DUP-21, were collected with the sample set. Acceptable precision (RPD ≤50% if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B71-6-10 (8) and SSHS-B100-10-13.5 (12), respectively. The RPDs between the results were 0%.

3.13 Target Compound Identification

The samples were analyzed on two different gas chromatography (GC) columns, per the method protocol. Both PCBs and organochlorine pesticides were reported in some of the samples. Review of the raw data indicated that PCBs 1248 and 1260 were present in these samples; based on professional and technical judgment, the detections of the multi-peak PCBs resulted in false positives for some of the single peak organochlorine pesticides. Therefore, based on professional and technical judgment, for organochlorine pesticides with RPD results between the two columns greater than 25%, the estimated concentrations of the organochlorine pesticides were U qualified as not detected at the RL and concentrations greater than the RL were U qualified as not detected at the reported concentration. The qualifications are summarized in Attachment 3.

In addition, both estimated pesticide concentrations and concentrations above the RL in some of the soil samples were flagged by the laboratory with p, indicating the RPD between the two columns was greater than 40% RPD and the lower concentration was reported; PCBs were reported as not detected in these samples. Therefore, based on professional and technical judgment, the p-flagged estimated concentrations were J qualified as estimated. These qualifications are also summarized in Attachment 3

3.14 Target Compound Quantitation

The compound quantitations were within the validation criteria.

3.15 Sensitivity

The samples were reported to the MDLs. No elevated nondetect results were reported.

The MDLs and RLs reported were 1/10 of those listed in Table C.1 in the QAPP.

3.16 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level IV report at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140815-EQUIPMENT BLANK-SOIL, was truncated to 20140815-EQUIPMENT BLANK-S in the EDD and the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level IV report and the EDD.

4.0 POLYCHLORINATED BIPHENYLS

Twenty-two solid samples, two solid field duplicate samples, two MS/MSD pairs and one equipment blank were analyzed for PCBs per EPA Methods 3510C/8082A and 3541/8082A.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Time
✓ Initial Calibration
✓ Continuing Calibration
✓ Method Blanks
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
✓ Source Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Target Compound Identification
⊗ Target Compound Quantification
✓ Sensitivity
⊗ Electronic Data Deliverable Review

4.1 Overall Assessment

The PCB (Aroclor) data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

4.2 Holding Times

The holding times for the PCB analysis of solid samples are 14 days from sample collection to extraction and 40 days from extraction to analysis. The holding times for the PCB analysis of water samples are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

4.3 Initial Calibration

Initial calibration of the target compounds was performed as required by the method. The %RSDs of the response factors were less than or equal to 20%.

4.4 Continuing Calibration Verification

Continuing calibration verification was performed at the required frequency. The %Ds between the calibration factors in initial calibrations and the CCVs were within the method specified 20%D criteria.

4.5 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three method blanks were reported with the data (batches 115137, 116335 and 116429). PCBs were not detected in the method blanks above the MDLs.

4.6 Matrix Spike/Matrix Spike Duplicate

Two sample set specific MS/MSD pairs, using samples SSHS-B43-A-2-6 (4) and SSHS-B72-6-10 (8) were reported. The MS/MSD pairs had recovery and RPD results within the QAPP specified acceptance criteria.

4.7 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs and one LCS/LCSD pair were analyzed. The results for the LCSs and LCS/LCSD pair were within the QAPP specified acceptance criteria for recovery and RPD.

4.8 Surrogate

The surrogate recoveries were within the laboratory specified acceptance criteria.

4.9 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. PCBs were not detected in the source blank above the MDLs.

4.10 Equipment Blank

One equipment blank, 20140815-EQUIPMENT BLANK-SOIL, was collected with the samples. PCBs were not detected in the equipment blank above the MDLs.

4.11 Field Duplicate

Two field duplicate samples, DUP-20 and DUP-21, were collected with the sample set. Acceptable precision (RPD ≤50% if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B71-6-10 (8) and SSHS-B100-10-13.5 (12), respectively. The RPDs between the results were 0%.

4.12 Target Compound Identification

The target compound identifications were within the validation criteria.

4.13 Target Compound Quantitation

The samples were analyzed on two different GC columns. One PCB concentration, in sample SSHS-B72-0.17-2 (1), was flagged by the laboratory with p, indicating the RPD between the two columns was greater than 40% RPD and the lower concentration was reported. Therefore, based on professional and technical judgment, the p-flagged concentration in this sample was J qualified as estimated.

Sample ID	Compound	Laboratory Concentration (µg/kg)	Laboratory Flag	Validation Concentration (µg/kg)	Validation Qualifier	Reason Code
SSHS-B72-0.17-2 (1)	PCB-1260	7.5	Jp	7.5	J	13

µg/kg-microgram per kilogram
p-laboratory flag indicating the RPD between the two columns is greater than 40% RPD; the lower concentration was reported
J-estimated concentration greater than the MDL and less than the RL

4.14 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were reported for sample SSHS-B100-0.17-2 (1.5) due to the dilution analyzed.

The MDLs and RLs were the same as those listed in Table C.1 in the QAPP. It was noted that total PCBs were listed in Table C.1 in the QAPP, but not reported by the laboratory.

4.15 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level IV report at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140815-EQUIPMENT BLANK-SOIL, was truncated to 20140815-EQUIPMENT BLANK-S in the EDD and the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level IV report and the EDD.

5.0 METALS

Twenty-two solid samples, two solid field duplicate samples, three MS/MSD pairs and one equipment blank were analyzed for metals per EPA Methods 3005A/6010C and 3050B/6010C (Mercury evaluated separately in Section 6.0, below).

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Initial Calibration
✓ Initial and Continuing Calibrations
⊗ Initial and Continuing Calibration Blanks
✓ Method Blank
⊗ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
⊗ Serial Dilution
✓ Source Blank
✓ Equipment Blank
⊗ Field Duplicate
✓ Compound Quantitation
✓ Sensitivity
⊗ Electronic Data Deliverable Review

5.1 Overall Assessment

The metals data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

5.2 Holding Times

The holding times for metals analysis of waters and solids are 180 days from sample collection to analysis. The holding times were met for the sample analyses.

5.3 Initial Calibration

The initial calibration requirements were met for the inductively coupled plasma-atomic emission spectrometer (ICP-AES).

The reporting limit standards were within the method specified acceptance criteria.

The interference check standards (ICSA and ICSAB) met the method specified acceptance criteria.

5.4 Initial and Continuing Calibration Verifications (ICV and CCV)

The percent recoveries in the associated ICVs and CCVs were within the method specified acceptance criteria.

5.5 Initial and Continuing Calibration Blanks (ICB and CCB)

The ICBs and CCBs met the specified acceptance criteria. However, there were estimated concentrations greater than the MDLs and less than the RLs of barium, cobalt, copper, magnesium, manganese, nickel, potassium, silver, sodium, thallium and vanadium in the CCBs bracketing some of the samples. Therefore, the estimated concentrations of these metals in the associated samples were U qualified as not detected at the RLs.

Sample ID	Compound	Laboratory Result (µg/L)	Laboratory Flag	Validation Result (µg/L)	Validation Qualifier	Reason Code
20140815-EQUIPMENT BLANK-SOIL	Cobalt	0.47	J	50	U	3
20140815-EQUIPMENT BLANK-SOIL	Copper	1.2	J	25	U	3
20140815-EQUIPMENT BLANK-SOIL	Nickel	5.7	J	40	U	3
20140815-EQUIPMENT	Sodium	52	J,B	5000	U	3

BLANK-SOIL						

µg/L-microgram per liter
J-estimated concentration greater than the MDL and less than the RL
B-compound was detected in both the method blank and sample

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	Validation Result (mg/kg)	Validation Qualifier	Reason Code
SSHS-B100-0.17-2 (1.5)	Potassium	430	J	550	U	3

mg/kg-milligram per kilogram
J-estimated concentration greater than the MDL and less than the RL

5.6 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three method blanks were reported with the data (batches 115230, 116030 and 116032). Metals were not detected in the method blanks above the MDLs, with the following exceptions.

Sodium and manganese were detected at estimated concentrations greater than the MDLs and less than the RLs in the method blank in batch 115230. Since manganese was detected in the associated sample at a concentration greater than the RL and the estimated sodium concentration in the associated sample was U qualified as not detected at the RL based on the CCB contamination, no additional qualifications were applied to the data.

Nickel and zinc were detected at estimated concentrations greater than the MDLs and less than the RLs in the method blank in batch 116030. Since nickel and zinc were detected in the associated samples at concentrations greater than the RLs, no qualifications were applied to the data.

Chromium and zinc were detected at estimated concentrations greater than the MDLs and less than the RLs in the method blank in batch 116032. Since chromium and zinc were detected in the associated samples at concentrations greater than the RLs, no qualifications were applied to the data.

5.7 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were analyzed at the proper frequency for the number and types of samples analyzed (one pair per batch of 20 samples). Three sample set specific MS/MSD pairs, using samples 20140815-EQUIPMENT BLANK-SOIL, SSHS-B43-A-2-6 (4) and SSHS-B72-6-10 (8) were reported. The MS/MSD pairs had recovery and RPD results within the QAPP specified acceptance criteria, with the following exceptions.

One or both of the recoveries of antimony, magnesium and zinc were low and outside the QAPP specified acceptance criteria in the MS/MSD pair using sample SSHS-B72-6-10 (8). A post digestion spike (PDS) was also analyzed, with the antimony, magnesium and zinc recoveries within the laboratory specified acceptance criteria. Therefore, the undetected value of antimony was UJ qualified as estimated less than the MDL and the concentrations of arsenic and magnesium were J qualified as estimated in sample SSHS-B72-6-10 (8).

One or both of the recoveries of antimony, arsenic and copper were low and outside the QAPP specified acceptance criteria in the MS/MSD pair using sample SSHS-B43-A-2-6 (4). A PDS was also analyzed, with the antimony, arsenic and copper recoveries within the laboratory specified acceptance criteria. Therefore, the undetected value of antimony was UJ qualified as estimated less than the MDL and the concentrations of arsenic and copper were J qualified as estimated in sample SSHS-B43-A-2-6 (4).

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**Validation Result (mg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B43-A-2-6 (4)	Antimony	0.22	U	0.22	UJ	4
SSHS-B43-A-2-6 (4)	Arsenic	11	NA	11	J	4
SSHS-B43-A-2-6 (4)	Copper	21	NA	21	J	4
SSHS-B72-6-10 (8)	Antimony	0.25	U	0.25	UJ	4
SSHS-B72-6-10 (8)	Magnesium	11000	NA	11000	J	4
SSHS-B72-6-10 (8)	Zinc	50	B	50	J	4

mg/kg-milligram per kilogram
U-not detected at the reported MDL
B-compound was detected in both the method blank and sample
NA-not applicable

5.8 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three LCSs were analyzed. The results for the LCSs were within the QAPP specified acceptance criteria for recovery.

5.9 Serial Dilution

Three serial dilutions, using samples SSHS-B72-6-10 (8), SSHS-B43-A-2-6 (4) and 20140815-EQUIPMENT BLANK-SOIL, were reported. The %D results were within the laboratory specified acceptance criteria, with the following exceptions.

The %D results for manganese, sodium and zinc in the serial dilution using sample SSHS-B72-6-10 (8) were high and outside the laboratory specified acceptance criteria. Since the concentration of sodium in sample SSHS-B72-6-10 (8) was an estimated concentration greater than the MDL and less than the RL, no qualifications were applied to the sodium data. However, the concentrations of manganese and zinc in sample SSHS-B72-6-10 (8) were J qualified as estimated.

The %D result for manganese in the serial dilution using sample SSHS-B43-A-2-6 (4) was high and outside the laboratory specified acceptance criteria. Therefore, the concentration of manganese in sample SSHS-B43-A-2-6 (4) was J qualified as estimated.

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**Validation Result (mg/kg)**	**Validation Qualifier**	**Reason Code**
SSHS-B72-6-10 (8)	Manganese	350	NA	350	J	8
SSHS-B72-6-10 (8)	Zinc	50	B	50	J	8
SSHS-B43-A-2-6 (4)	Manganese	650	NA	650	J	8

mg/kg-milligram per kilogram
U-not detected at the reported MDL
B-compound was detected in both the method blank and sample
NA-not applicable

5.10 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. Metals were not detected in the source blank above the MDLs, with the following exceptions.

Potassium and sodium were detected at estimated concentrations greater than the MDLs and less the RLs. Since the potassium and sodium concentrations in the source blank were U qualified based on the method blank contamination, no additional qualifications were applied to the potassium and sodium data.

5.11 Equipment Blank

One equipment blank, 20140815-EQUIPMENT BLANK- SOIL, was collected with the samples. Aluminum, cobalt, copper, nickel, potassium, sodium, calcium and magnesium were detected in the equipment blank at estimated concentrations greater than the MDLs and less than the RLs and iron (100 µg/L, soil equivalent concentration, 5.0 mg/kg), chromium (9.2 µg/L, soil equivalent concentration, 0.46 mg/kg) and manganese (18 µg/L, soil equivalent concentration, 0.90 mg/kg) were detected above the RLs. However, no additional qualifications were applied based on professional judgment and the following.

- The estimated concentrations of cobalt, copper, nickel and sodium in the equipment blank were U qualified based on the CCB contaminations.
- Aluminum, calcium and magnesium were detected above the RLs in the associated samples.
- The concentrations of potassium in the associated samples were either U qualified as not detected at the RL based on the CCB contamination or were detected above the RL.
- Iron, chromium and manganese were detected in the associated soil samples at concentrations greater than ten times the soil equivalent concentrations.

5.12 Field Duplicate

Two field duplicate samples, DUP-20 and DUP-21, were collected with the sample set. Acceptable precision (RPD $\leq$50% if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B71-6-10 (8) and SSHS-B100-10-13.5 (12), respectively, with the following exception.

The RPD for arsenic was > 50% in the field duplicate pair SSHS-B71-6-9.5R (8)/DUP-20 and the concentrations were greater than five times the RL. Therefore, the concentrations of arsenic in field duplicate pair SSHS-B71-6-9.5R (8)/DUP-20 were J qualified as estimated.

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result**	**Validation Qualifier**	**Reason Code**
SSHS-B71-6-9.5R (8)	Aluminum	5300	NA	2	NA	NA	NA
DUP-20	Aluminum	5400	NA		NA	NA	NA
SSHS-B71-6-9.5R (8)	Arsenic	12	NA	79	12	J	7
DUP-20	Arsenic	5.2	NA		5.2	J	7
SSHS-B71-6-9.5R (8)	Barium	42	NA	15	NA	NA	NA
DUP-20	Barium	49	NA		NA	NA	NA
SSHS-B71-6-9.5R (8)	Beryllium	0.21	J	NC	NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result**	**Validation Qualifier**	**Reason Code**
DUP-20	Beryllium	0.21	J		NA	NA	NA
SSHS-B71-6-9.5R (8)	Cadmium	0.015	J	NC	NA	NA	NA
DUP-20	Cadmium	0.058	J		NA	NA	NA
SSHS-B71-6-9.5R (8)	Calcium	36000	NA	6	NA	NA	NA
DUP-20	Calcium	34000	NA		NA	NA	NA
SSHS-B71-6-9.5R (8)	Chromium	8.0	B	7	NA	NA	NA
DUP-20	Chromium	8.6	B		NA	NA	NA
SSHS-B71-6-9.5R (8)	Cobalt	4.5	J	NC	NA	NA	NA
DUP-20	Cobalt	4.7	J		NA	NA	NA
SSHS-B71-6-9.5R (8)	Copper	16	NA	6	NA	NA	NA
DUP-20	Copper	17	NA		NA	NA	NA
SSHS-B71-6-9.5R (8)	Iron	13000	NA	0	NA	NA	NA
DUP-20	Iron	13000	NA		NA	NA	NA
SSHS-B71-6-9.5R (8)	Lead	7.2	NA	5	NA	NA	NA
DUP-20	Lead	7.6	NA		NA	NA	NA
SSHS-B71-6-9.5R (8)	Magnesium	11000	NA	11	NA	NA	NA
DUP-20	Magnesium	9900	NA		NA	NA	NA
SSHS-B71-6-9.5R (8)	Manganese	420	NA	10	NA	NA	NA
DUP-20	Manganese	380	NA		NA	NA	NA
SSHS-B71-6-9.5R (8)	Nickel	11	NA	0	NA	NA	NA
DUP-20	Nickel	11	NA		NA	NA	NA
SSHS-B71-6-9.5R (8)	Potassium	780	NA	3	NA	NA	NA
DUP-20	Potassium	760	NA		NA	NA	NA
SSHS-B71-6-9.5R (8)	Selenium	0.64	J	NC	NA	NA	NA
DUP-20	Selenium	0.26	U		NA	NA	NA
SSHS-B71-6-9.5R (8)	Sodium	89	J	NC	NA	NA	NA
DUP-20	Sodium	78	J		NA	NA	NA
SSHS-B71-6-9.5R (8)	Vanadium	9.6	NA	4	NA	NA	NA
DUP-20	Vanadium	10	NA		NA	NA	NA
SSHS-B71-6-9.5R (8)	Zinc	43	B	2	NA	NA	NA
DUP-20	Zinc	44	B		NA	NA	NA
SSHS-B71-6-9.5R (8)	The other metals	ND	NA	0	NA	NA	NA
DUP-20	The other metals	ND	NA		NA	NA	NA
SSHS-B100-10-13.5 (12)	Aluminum	13000	NA	NC	NA	NA	NA
DUP-21	Aluminum	15000	U		NA	NA	NA
SSHS-B100-10-13.5 (12)	Antimony	0.24	NA	4	NA	NA	NA
DUP-21	Antimony	0.25	NA		NA	NA	NA

Sample ID	Compound	Laboratory Result (mg/kg)	Laboratory Flag	RPD	Validation Result	Validation Qualifier	Reason Code
SSHS-B100-10-13.5 (12)	Arsenic	8.2	NA	NC	NA	NA	NA
DUP-21	Arsenic	9.9	J		NA	NA	NA
SSHS-B100-10-13.5 (12)	Barium	81	NA	8	NA	NA	NA
DUP-21	Barium	88	NA		NA	NA	NA
SSHS-B100-10-13.5 (12)	Beryllium	0.57	NA	12	NA	NA	NA
DUP-21	Beryllium	0.64	NA		NA	NA	NA
SSHS-B100-10-13.5 (12)	Cadmium	0.057	NA	5	NA	NA	NA
DUP-21	Cadmium	0.060	NA		NA	NA	NA
SSHS-B100-10-13.5 (12)	Calcium	1100	NA	0	NA	NA	NA
DUP-21	Calcium	1100	NA		NA	NA	NA
SSHS-B100-10-13.5 (12)	Chromium	15	B	6	NA	NA	NA
DUP-21	Chromium	16	NA		NA	NA	NA
SSHS-B100-10-13.5 (12)	Cobalt	10	J	NC	NA	NA	NA
DUP-21	Cobalt	11	U		NA	NA	NA
SSHS-B100-10-13.5 (12)	Copper	15	J	NC	NA	NA	NA
DUP-21	Copper	18	U		NA	NA	NA
SSHS-B100-10-13.5 (12)	Iron	24000	NA	4	NA	NA	NA
DUP-21	Iron	25000	B		NA	NA	NA
SSHS-B100-10-13.5 (12)	Lead	13	NA	NC	NA	NA	NA
DUP-21	Lead	15	U		NA	NA	NA
SSHS-B100-10-13.5 (12)	Magnesium	3100	NA	6	NA	NA	NA
DUP-21	Magnesium	3300	NA		NA	NA	NA
SSHS-B100-10-13.5 (12)	Manganese	450	NA	NC	NA	NA	NA
DUP-21	Manganese	540	J		NA	NA	NA
SSHS-B100-10-13.5 (12)	Nickel	19	NA	10	NA	NA	NA
DUP-21	Nickel	21	B		NA	NA	NA
SSHS-B100-10-13.5 (12)	Potassium	2200	NA	17	NA	NA	NA
DUP-21	Potassium	2600	NA		NA	NA	NA
SSHS-B100-10-13.5 (12)	Selenium	0.37	NA	24	NA	NA	NA

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**	**Validation Result**	**Validation Qualifier**	**Reason Code**
DUP-21	Selenium	0.47	NA		NA	NA	NA
SSHS-B100-10-13.5 (12)	Silver	0.049	NA	4	NA	NA	NA
DUP-21	Silver	0.051	NA		NA	NA	NA
SSHS-B100-10-13.5 (12)	Sodium	210	NA	5	NA	NA	NA
DUP-21	Sodium	220	NA		NA	NA	NA
SSHS-B100-10-13.5 (12)	Thallium	0.18	J	NC	NA	NA	NA
DUP-21	Thallium	0.18	U		NA	NA	NA
SSHS-B100-10-13.5 (12)	Vanadium	19	J	NC	NA	NA	NA
DUP-21	Vanadium	22	U		NA	NA	NA
SSHS-B100-10-13.5 (12)	Zinc	63	NA	8	NA	NA	NA
DUP-21	Zinc	68	B		NA	NA	NA

mg/kg-milligram per kilogram
U-not detected at or above the MDL
B-compound was detected in both the method blank and sample
J-estimated concentration greater than the MDL and less than the RL
NC-not calculable
NA-not applicable

5.13 Compound Quantitations

The compound quantitations were within the validation criteria.

5.14 Sensitivity

The samples were reported to the MDLs. No elevated nondetect results were reported.

The MDLs and RLs were the same as those listed in Tables C.1 and C.2 in the QAPP.

5.15 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level IV report at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140815-EQUIPMENT BLANK-SOIL, was truncated to 20140815-EQUIPMENT BLANK-S in the EDD and the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level IV report and the EDD.

6.0 MERCURY

Twenty-two solid samples, two solid field duplicate samples, two MS/MSD pairs and one equipment blank were analyzed for mercury per EPA Method 7470A and 7471B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Initial Calibration
✓ Initial and Continuing Calibration Verifications
✓ Initial and Continuing Calibration Blanks
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Source Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Compound Quantitations
✓ Sensitivity
⊗ Electronic Data Deliverable Review

6.1 Overall Assessment

The mercury data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

6.2 Holding Times

The holding times for mercury analysis of water and solid samples are 28 days from sample collection to analysis. The holding times were met for the sample analyses.

6.3 Initial Calibration

The initial calibration requirements were met. The coefficient of determination (r^2) was greater than or equal to 0.990 for the linear calibration.

The reporting limit standard was within the method specified acceptance criteria.

6.4 Initial and Continuing Calibration Verifications

The percent recoveries in the associated ICVs and CCVs were within the method specified acceptance criteria.

6.5 Initial and Continuing Calibration Blanks

The ICBs and CCBs met the method specified acceptance criteria.

6.6 Method Blanks

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three method blanks were reported with the data (batches 115423, 116358 and 116360). Mercury was not detected in the method blanks above the MDL.

6.7 Matrix Spike/Matrix Spike Duplicate

Two sample set specific MS/MSD pairs, using samples SSHS-B43-A-2-6 (4) and SSHS-B72-6-10 (8) were reported. The MS/MSD pairs had recovery and RPD results within the QAPP specified acceptance criteria.

6.8 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs and one LCS/LCSD pair were analyzed. The results for the LCSs and LCS/LCD pair were within the QAPP specified acceptance criteria for recovery and RPD.

6.9 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. Mercury was not detected in the source blank above the MDL.

6.10 Equipment Blank

One equipment blank, 20140815-EQUIPMENT BLANK- SOIL, was collected with the samples. Mercury was not detected in the equipment blank above the MDL.

6.11 Field Duplicate

Two field duplicate samples, DUP-20 and DUP-21, were collected with the sample set. Acceptable precision (RPD ≤50% if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B71-6-10 (8) and SSHS-B100-10-13.5 (12), respectively.

Sample ID	**Compound**	**Laboratory Result (mg/kg)**	**Laboratory Flag**	**RPD**
SSHS-B71-6-9.5R (8)	Mercury	0.011	U	0
DUP-20	Mercury	0.011	U	
SSHS-B100-10-13.5 (12)	Mercury	0.028	J	NC
DUP-21	Mercury	0.022	J	

mg/kg-milligram per kilogram
U-not detected at or above the MDL
J-estimated concentration greater than the MDL and less than the RL
NC-not calculable

6.12 Compound Quantitation

The compound quantitations were within the validation criteria.

6.13 Sensitivity

The sample was reported to the MDL. No elevated nondetect results were reported.

The MDL and RL were the same as those listed in Table C.1 in the QAPP.

6.14 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level IV report at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140815-EQUIPMENT BLANK-SOIL, was truncated to 20140815-EQUIPMENT BLANK-S in the EDD and the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level IV report and the EDD.

7.0 CYANIDE

Twenty-two solid samples, two solid field duplicate samples, two MS/MSD pairs and one equipment blank were analyzed for cyanide per EPA Methods 9010C/9014.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Initial Calibration
✓ Initial and Continuing Calibration Verifications
✓ Initial and Continuing Calibration Blanks
✓ Method Blanks
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Source Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Compound Quantitation
✓ Sensitivity
⊗ Electronic Data Deliverable Review

7.1 Overall Assessment

The cyanide data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

7.2 Holding Times

The holding times for cyanide analysis of preserved waters and solids are 14 days from sample collection to analysis. The holding times were met for the sample analyses.

7.3 Initial Calibration

The initial calibration requirements were met. The coefficient of determination (r^2) was greater than or equal to 0.990 for the linear calibration.

7.4 Initial and Continuing Calibration Verifications

The percent recoveries in the associated ICVs and CCVs were within the method specified acceptance criteria.

7.5 Initial and Continuing Calibration Blanks

The ICBs and CCBs met the method specified acceptance criteria.

7.6 Method Blanks

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Four method blanks were reported with the data (batches 116102, 116219, 116348 and 116351). Cyanide was not detected in the method blanks above the MDL, with the following exception.

Cyanide was detected at an estimated concentration greater than the MDL and less than the RL in the method blank in batch 116219. Since cyanide was not detected in the associated sample, no qualifications were applied to the data.

7.7 Matrix Spike/Matrix Spike Duplicate

Three sample set specific MS/MSD pairs, using samples SSHS-B42-A-11-13 (12), SSHS-B43-A-2-6 (4) and SSHS-B72-6-10 (8) and one MS using sample SSHS-B72-3-5 (4) were reported. The MS/MSD pairs and MS had recovery and RPD results within the laboratory specified acceptance criteria; there were no cyanide acceptance criteria in the QAPP.

7.8 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Four LCSs, four low LCSs (LLCS) and four high LCSs (HLCS) were reported. The results for the LCSs, LLCSs and HCLSs were within the laboratory specified acceptance criteria for recovery; there were no cyanide acceptance criteria in the QAPP.

7.9 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. Cyanide was not detected in the source blank above the MDL in the source blank.

7.10 Equipment Blank

One equipment blank, 20140815-EQUIPMENT BLANK-SOIL, was collected with the soil samples. Cyanide was not detected in the equipment blank above the MDL.

7.11 Field Duplicate

Two field duplicate samples, DUP-20 and DUP-21, were collected with the sample set. Acceptable precision (RPD ≤50% if both results are greater than five times the RL) was demonstrated between the field duplicates and the original samples, SSHS-B71-6-10 (8) and SSHS-B100-10-13.5 (12), respectively. The RPDs between the results were 0%.

7.12 Compound Quantitation

The compound quantitations were within the validation criteria.

7.13 Sensitivity

The samples were reported to the MDLs. MDLs and RLs were not listed for cyanide in Table C.1 in the QAPP.

7.14 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level IV report at a minimum of 20%. It was noted that the sample ID for the equipment blank, 20140812-EQUIPMENT BLANK-SOIL, was truncated to 20140812-EQUIPMENT BLANK-SO in the EDD and the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level IV report and the EDD.

* * * * *

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; however, the associated numerical value is likely to be higher that the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.
J-	The analyte was positively identified; however, the associated numerical value is likely to be lower that the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	Analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS recovery outside limits
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other

RPD-relative percent difference

Geosyntec
consultants

2240 Sutherland Avenue, Suite 107
Knoxville, TN 37919
PH 865.330.0037
FAX 865.330.9949
www.geosyntec.com

Memorandum

Date: 31 October 2014

To: Aron Krasnopler

From: Mary Tyler
Kristoffer Henderson

CC: J. Caprio

Subject: Stage 4 Data Validation - Level IV Data Deliverable – Volatile Organic Compounds by EPA Methods 5030C/8260C, Polychlorinated Biphenyls by EPA Methods 3510C/8082A, Gasoline Range Organics by EPA Methods 5030C/8015D and Diesel Range Organics by EPA Methods 3520C/8015D– TestAmerica Work Order Numbers 180-36053-1

SITE: Former Sperry Remington Site-North

INTRODUCTION

This report summarizes the findings of the Stage 4 data validation of seven water samples, two field duplicate samples, two matrix spike/matrix spike duplicate (MS/MSD) pairs, two equipment blanks and one trip blank, collected on August 20-22, 2014, as part of the Former Sperry Remington Site-North sampling event. The analyses were performed at TestAmerica Laboratories, Inc., Pittsburgh, Pennsylvania. The samples were analyzed for the following tests:

- EPA Methods 5030C/8260C - Volatile Organic Compounds (VOCs) and Tentatively Identified Compounds (TICs)
- EPA Methods 3510C/8082A - Polychlorinated Biphenyls (PCBs)
- Gasoline Range Organics (GRO) by EPA Methods 5030C/8015D
- Diesel Range Organics (DRO) by EPA Method 3520C/8015D

EXECUTIVE SUMMARY

The samples were handled, prepared and measured in the same manner under similar prescribed conditions.

Overall, based on this Stage 4 data validation covering the quality control (QC) parameters listed below, the data as qualified are usable for meeting project objectives, with the following exception. Qualified data should be used within the limitations of the qualification.

The average relative response factor (RRF) of 1,4-dioxane by Method 8260B in the initial calibration was below the method and validation specified acceptance criteria; therefore, the undetected values of 1,4-dioxane in the associated samples were R qualified as rejected.

The organic data were reviewed based on the Quality Assurance Project Plan (QAPP)/Field Sampling Plan (FSP), Former Sperry Remington Site-North Portion, 777 South Main Street, City of Elmira, Chemung County, NY, NYSDEC Project 808022, Geosyntec Project Number MN0832, July 2014, Agency Review Draft, USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008 (USEPA-540-R-08-01), as well as by the pertinent methods referenced by the data package and professional and technical judgment.

The following samples were analyzed and validated at a Stage 4 level in the data set:

Laboratory ID	Client ID
180-36053-1	MW-8
180-36053-1MS	MW-8MS
180-36053-1MSD	MW-8MSD
180-36053-2	MW-13
180-36053-3	DUP-1
180-36053-4	MW-30
180-36053-5	MW-10
180-36053-5MS	MW-10MS

Laboratory ID	Client ID
180-36053-5MSD	MW-10MSD
180-36053-6	EB-1
180-36053-7	MW-38
180-36053-8	EB-2
180-36053-9	MW-34
180-36053-10	DUP-2
180-36053-11	MW-41
180-36053-12	TB-1

The samples were received at the laboratory within the QAPP criteria of $<6^{o}$C. No sample preservation issues were noted by the laboratory.

Incorrect error corrections were observed on the chain of custody (COC). The proper procedure of a single strike-through correction and initials and date of the person making the correction was not followed.

No times of collection were listed on the COC for the trip blank or field duplicate samples. The laboratory assigned the collection times of 00:00.

1.0 VOLATILE ORGANIC COMPOUNDS

Three water samples, one field duplicate sample, one MS/MSD pair, one equipment blank and one trip blank were analyzed for VOCs per EPA Methods 5030C/8260C.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Times
✓ Instrument Performance Check
⊗ Initial Calibration
✓ Continuing Calibration Verification
✓ Method Blanks
⊗ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
✓ Source Blank
⊗ Equipment Blank
✓ Trip Blank
✓ Field Duplicate
✓ Internal Standards
✓ Target Compound Identification
✓ Target Compound Quantitation
⊗ Sensitivity
⊗ Electronic Data Deliverable Review

1.1 Overall Assessment

1.1.1 Completeness

The VOC data reported in this package are considered to be usable for meeting project objectives, with the following exceptions. The average RRF of 1,4-dioxane in the initial calibration was below the method and validation specified acceptance criteria; therefore, the undetected values of 1,4-dioxane in the associated water samples were R qualified as rejected. The analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 98.1%.

1.1.2 Analysis Anomaly

Sample MW-30 was reported at both 1:5 and 1:12.5 dilutions. The cis-1, 2-dichloroethene result in the 1:5 dilution was E flagged by the laboratory, indicating the result exceeded the calibration range. Therefore, cis-1, 2-dichloroethene was the only result considered for validation in the 1:12.5 dilution. The remaining compounds were validated using the 1:5 dilution.

Sample MW-8 was reported at both an undiluted analysis and a 1:5 dilutions. The cis-1,2-dichloroethene result in the undiluted analysis was E flagged by the laboratory indicating the result exceeded the calibration range. Therefore, cis-1,2-dichloroethene was the only result considered for validation in the 1:12.5 dilution. The remaining compounds were validated using the undiluted analysis.

The results that were not considered for validation were set to not reportable in the EDD with qualifier file (a column was added to the EDD with qualifier file).

1.2 Holding Times

The holding time for a preserved water sample is 14 days from collection to analysis. The holding times were met for the sample analyses.

1.3 Instrument Performance Check

An instrument performance check sample (tune standard) was analyzed at the beginning of each 12-hour period during sample analysis. The samples were analyzed within the 12-hour period. All ion abundance criteria were met for bromofluorobenzene (BFB).

1.4 Initial Calibration

Appropriate initial calibrations were performed for each analyte. Based on the method of calibration, the laboratory calculated percent relative standard deviation (%RSD) of the RRFs. For the target analytes, the average RRFs and the %RSDs were within the method and validation criteria for the target compounds. The minimum average RRFs for compounds were above the method and/or the validation criteria, with the following exception.

The average RRF for 1,4-dioxane in the initial calibration associated with the samples was 0.0024, below the method criteria of 0.0100 and also below the validation criteria of 0.0050. Therefore, the undetected values of 1,4-dioxane in the associated samples were R qualified as rejected.

Sample ID	Compound	Laboratory Concentration (µg/L)	Laboratory Flag	Validation Concentration (µg/L)	Validation Qualifier*	Reason Code**
DUP-1	1,4-Dioxane	34	U	34	R	9
EB-1	1,4-Dioxane	34	U	34	R	9
MW-13	1,4-Dioxane	34	U	34	R	9
MW-30	1,4-Dioxane	170	U	170	R	9
MW-8RA	1,4-Dioxane	34	U	34	R	9
TB-1	1,4-Dioxane	34	U	34	R	9

µg/L-microgram per liter
U-not detected at or above the method detection limit (MDL)
*Validation qualifiers are defined in Attachment 1 at the end of this report
** Reason codes are defined in Attachment 2 at the end of this report

1.5 Continuing Calibration Verification (CCV)

For the target analytes, the CCVs were performed at the required frequency. The percent difference or percent drift (%D) between the RRFs in the initial and continuing calibration standards for the target analytes were within the method acceptance criteria of less than or equal to 20% and/or the validation criteria of 40% for poor performing compounds and 25% for the other compounds.

1.6 Method Blanks

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two method blanks were reported with the data (batches 116303 and 116723). VOCs were not detected in the method blanks above the MDLs.

1.7 Matrix Spike/Matrix Spike Duplicate

A sample set specific MS/MSD pair, using sample MW-8, was reported. The MS/MSD pair had recovery and relative percent difference (RPD) results within the QAPP and laboratory (for 1,4-dioxane and 1,2,3-trichlorobenzene only) specified acceptance criteria, with the following exceptions.

The recoveries of cis-1,2-dichloroethene were high and outside the laboratory specified acceptance criteria. Therefore, the concentration of cis-1,2-dichloroethene in sample MW-8 was J qualified as estimated.

Sample ID	Compound	Laboratory Concentration (µg/L)	Laboratory Flag	Validation Concentration (µg/L)	Validation Qualifier	Reason Code
MW-8	cis-1,2-Dichloroethene	77	NA	77	J	4

µg/L-microgram per liter
NA-not applicable

1.8 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs were reported. The results for the LCSs were within the QAPP specified acceptance criteria for recovery.

1.9 Surrogates

Acceptable surrogate recoveries were reported for the sample analyses.

1.10 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. VOCs were not detected in the source blank above the MDLs.

1.11 Equipment Blank

Two equipment blanks were collected with the sample set; one, EB-1, was reported for VOCs. VOCs were not detected in the equipment blank above the MDLs, with the following exception.

Methylene chloride was detected in the equipment blank at an estimated concentration greater than the MDL and less than the RL. Therefore, the estimated concentration of methylene chloride in the associated sample was U qualified as not detected at the RL.

Sample ID	Compound	Laboratory Concentration (µg/L)	Laboratory Flag	Validation Concentration (µg/L)	Validation Qualifier	Reason Code
MW-30	Methylene Chloride	1.6	J	5.0	U	3

µg/L-microgram per liter
J-estimated concentration less than the RL and greater than the MDL

1.12 Trip Blank

A trip blank, TRIP BLANK, was collected with the sample set. VOCs were not detected in the trip blank above the MDLs.

1.13 Field Duplicate

Two field duplicate samples were collected with the sample set; only DUP-1 was analyzed for VOCs. Acceptable precision (RPD $\leq$30% if both results are greater than five times the quantitation limit) was demonstrated between the field duplicate sample and the original sample, MW-13. The RPDs between the results were 0%.

1.14 Internal Standards

The internal standard areas and retention times were within method limits.

1.15 Target Compound Identifications

The target compound identifications were within the validation criteria.

1.16 Target Compound Quantitation

The compound quantitations were within the validation criteria.

1.17 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were reported for samples MW-30 and MW-8 due to sample dilutions analyzed.

The MDLs and RLs were the same as those listed in Table C.2 in the QAPP. It was noted that total 1,2-dichloroethene and total xylenes were not reported by the laboratory, but the summation of cis- and trans-1,2-dichloroethene and o- and m-&p-xylene were within the QAPP criteria. In addition, 1,4-dioxane and 1,2,3-trichlorobenzene were reported by the laboratory, but not listed in Table C.2 in the QAPP.

The reported MDLs for 1,2-dibromo-3-chloropropane and 1,2-dibromoethane in the samples were greater than the screening criteria listed in table C.2 of the QAPP.

Compound	Laboratory MDL (µg/L)	QAPP Screening Criteria (µg/L)
1,2-Dibromoethane	0.18	0.00060

Compound	Laboratory MDL (µg/L)	QAPP Screening Criteria (µg/L)
1,2-Dibromo-3-Chloropropane	0.14	0.040

µg/L-microgram per liter

1.18 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level IV report at a minimum of 20%. It was noted that the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level IV report and the EDD.

2.0 POLYCHLORINATED BIPHENYLS

Four water samples, one field duplicate sample, one MS/MSD pair and one equipment blank were analyzed for PCBs per EPA Methods 3510C/8082A.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Time
✓ Performance Evaluation Mixture
✓ Initial Calibration
✓ Continuing Calibration
✓ Method Blanks
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
✓ Source Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Target Compound Identification
✓ Target Compound Quantitation
✓ Sensitivity
⊗ Electronic Data Deliverable Review

2.1 Overall Assessment

The PCB (Aroclor) data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

2.2 Holding Times

The holding times for PCB analysis of water samples are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

2.3 Performance Evaluation Mixture (PEM)

The PEM standards were analyzed at the required frequency. The method specified breakdown criteria of $\leq$ 15% for endrin and 4,4'-DDT were met

2.4 Initial Calibrations

Initial calibration of the target compounds was performed as required by the method. The %RSDs were less than or equal to the method specified criteria of 20%.

2.5 Continuing Calibration Verification

Continuing calibration verification was performed at the required frequency. The %Ds between the calibration factors in initial calibrations and CCVs were within the method specified criteria of 20%D.

2.6 Method Blanks

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported with the data (batch 116110). PCBs were not detected in the method blank above the MDLs.

2.7 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were analyzed at the proper frequency for the number and types of samples analyzed (one pair per batch of 20 samples). A sample set specific MS/MSD pair, using sample

MW-10, was reported. The MS/MSD pair had recovery and RPD results within the QAPP specified acceptance criteria.

2.8 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The results for the LCS were within the laboratory and QAPP specified acceptance criteria for recovery and RPD.

2.9 Surrogate

The surrogate recoveries were within the laboratory specified acceptance criteria.

2.10 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. PCBs were not detected in the source blank above the MDLs.

2.11 Equipment Blank

Two equipment blanks were collected with the sample set; one, EB-2, was reported for PCBs. PCBs were not detected in the equipment blank above the MDLs.

2.12 Field Duplicate

Two field duplicate samples were collected with the sample set; only DUP-2 was analyzed for PCBs. Acceptable precision (RPD ≤30% for water samples if both results are greater than five times the quantitation limit) was demonstrated between the field duplicate sample and the original sample, MW-34.

Sample ID	**Compound**	**Laboratory Result (µg/L)**	**Laboratory Flag**	**RPD**
DUP-2	PCB-1248	1.9	NA	30
MW-34	PCB-1248	1.4	NA	
DUP-2	The other PCBs	ND	NA	0
MW-34	The other PCBs	ND	NA	

µg/L-microgram per liter
NA-not applicable
ND-not detected at the MDL

2.13 Target Compound Identifications

The target compound identifications were within the validation criteria.

2.14 Target Compound Quantitation

The compound quantitations were within the validation criteria.

2.15 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were reported for samples DUP-2, MW-34 and MW-41 due to the dilutions analyzed.

The MDLs and RLs were the same as those listed in Table C.2 in the QAPP. It was noted that total PCBs were listed in Table C.2 in the QAPP, but not reported by the laboratory.

2.16 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level IV report at a minimum of 20%. It was noted that the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level IV report and the EDD.

3.0 GASOLINE RANGE ORGANICS

Three water samples, one field duplicate sample, one MS/MSD pair and one equipment blank were analyzed for GRO per EPA Methods 5030C/8015D.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Initial Calibration
✓ Continuing Calibration Verification
✓ Method Blanks
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates

✓ Source Blank
⊗ Equipment Blank
✓ Field Duplicate
✓ Target Compound Identifications
✓ Target Compound Quantitations
✓ Sensitivity
⊗ Electronic Data Deliverable Review

3.1 Overall Assessment

The GRO data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

3.2 Holding Times

The holding time for GRO analysis of a preserved water sample is 14 days from sample collection to analysis. The holding time was met for the sample analyses.

3.3 Initial Calibration

Appropriate initial calibrations were performed. Based on the method of calibration, the laboratory calculated %RSD of the calibration factors (CFs). The %RSDs were within the method and validation criteria for the target compounds.

3.4 Continuing Calibration Verification

For the target analyte, the CCVs were performed at the required frequency. The percent difference or percent drift (%D) between the CFs in the initial and continuing calibration standards for the target analyte were within the method acceptance criteria of less than or equal to 20%.

3.5 Method Blanks

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported with the data (batch 144784). GRO was not detected in the method blank above the MDL.

3.6 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were analyzed at the proper frequency for the number and types of samples analyzed (one pair per batch of 20 samples). One sample set specific MS/MSD pair, using sample MW-8, was reported. The MS/MSD pair had recovery and RPD results within the QAPP specified acceptance criteria.

3.7 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The result for the LCS was within the laboratory and QAPP specified acceptance criterion for recovery.

3.8 Surrogate

Acceptable surrogate recoveries were reported for the sample analyses.

3.9 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. GRO was not detected in the source blank above the MDL.

3.10 Equipment Blank

Two equipment blanks were collected with the sample set; EB-1, was reported for GRO. GRO was detected in the equipment blank at an estimated concentration greater than the MDL and less than the RL. Therefore, the estimated concentrations of GRO in the associated samples were U qualified as not detected at the RL.

Sample ID	Compound	Laboratory Concentration (µg/L)	Laboratory Flag	Validation Concentration (µg/L)	Validation Qualifier	Reason Code
DUP-1	Gasoline Range Organics [C6 - C10]	27	J	100	U	3
MW-13	Gasoline Range Organics [C6 - C10]	27	J	100	U	3
MW-30	Gasoline Range Organics [C6 - C10]	58	J	100	U	3
MW-8	Gasoline Range Organics [C6 - C10]	35	J	100	U	3

µg/L-microgram per liter
J-estimated concentration greater than the MDL and less than the RL

3.11 Field Duplicate

Two field duplicate samples were collected with the sample set; only DUP-1 was analyzed for GRO. Acceptable precision (RPD ≤30% for water samples if both results are greater than five times the quantitation limit) was demonstrated between the field duplicate sample and the original sample, MW-13.

Sample ID	Compound	Laboratory Result (µg/L)	Laboratory Flag	RPD
MW-13	Gasoline Range Organics [C6 - C10]	27	J	NC
DUP-1	Gasoline Range Organics [C6 - C10]	27	J	

µg/L-microgram per liter
J-estimated concentration greater than the MDL and less than the RL
NC-not calculable

3.12 Target Compound Identifications

The target compound identifications were within the validation criteria.

3.13 Target Compound Quantitation

The compound quantitations were within the validation criteria.

3.14 Sensitivity

The sample was reported to the MDLs. The MDLs and RLs reported were the same as those listed in Table C.2 in the QAPP. Screening criteria for GRO was not listed in table C.2 of the QAPP.

3.15 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level IV report at a minimum of 20%. It was noted that the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level IV report and the EDD.

4.0 DIESEL RANGE ORGANICS

Three water samples, one field duplicate sample, one MS/MSD pair and one equipment blank were analyzed for DRO per EPA Methods 3520C/8015D.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
⊗ Holding Times
✓ Initial Calibration
✓ Continuing Calibration Verification
✓ Method Blanks
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Surrogates
✓ Source Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Target Compound Identifications
✓ Target Compound Quantitations
✓ Sensitivity
⊗ Electronic Data Deliverable Review

4.1 Overall Assessment

4.1.1 Completeness

The DRO data reported in this package are considered to be usable for meeting project objectives. The results are considered to be valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%.

4.1.2 Analysis Anomaly

Sample MW-30 was analyzed twice. The surrogate recovery was low in the initial analysis and acceptable in the reextraction/reanalysis. Only the reextraction/reanalysis was considered for validation based on the acceptable surrogate recovery. The result that was not considered for validation was set to not reportable in the EDD with qualifier file (a column was added to the EDD with qualifier file).

4.2 Holding Times

The holding times for DRO analysis of a preserved water sample are 7 days from sample collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses, with the following exception.

The reextraction of sample MW-30 was prepared 12 days after sample collection, outside the holding time of 7 days from sample collection. Therefore, the concentration of DRO in sample MW-30 was J qualified as estimated.

Sample ID	Compound	Laboratory Concentration (µg/L)	Laboratory Flag	Validation Concentration (µg/L)	Validation Qualifier	Reason Code
MW-30	Diesel Range Organics [C10 - C28]	13000	H	13000	J	2

µg/L-microgram per liter
H-laboratory flag indicating that the sample was prepped or analyzed beyond the specified holding time

4.3 Initial Calibration

Appropriate initial calibrations were performed for DRO. Based on the method of calibration, the laboratory calculated percent %RSD of the calibration factor (CF). For the target analyte, the %RSD was within the method criteria for DRO.

4.4 Continuing Calibration Verification

For the target analytes, the CCVs were performed at the required frequency. The %Ds between the CFs in the initial and the CCVs were within the method acceptance criteria of less than or equal to 20%.

4.5 Method Blanks

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two method blanks were reported with the data (batches 144632 and 145081). DRO was not detected in the method blanks above the MDL.

4.6 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were analyzed at the proper frequency for the number and types of samples analyzed (one pair per batch of 20 samples). One sample set specific MS/MSD pair, using sample MW-8, was reported. The MS/MSD pair had recovery and RPD results within the QAPP specified acceptance criteria.

4.7 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs were reported. The results for the LCSs were within the laboratory and QAPP specified acceptance criterion for recovery.

4.8 Surrogate

Acceptable surrogate recoveries were reported for the sample analyses, with the following exception.

The recovery of o-terphenyl was low and outside the laboratory specified acceptance criteria in the initial analysis of sample MW-30. MW-30 was reextracted/reanalyzed with acceptable surrogate recovery. Therefore, no qualifications were applied to the data based on surrogate recoveries.

4.9 Source Blank

One source blank, 20140812-SOURCE BLANK, was reported in laboratory report 180-35729-1. DRO was not detected in the source blank above the MDL.

4.10 Equipment Blank

Two equipment blanks were collected with the sample set; one, EB-1, was reported for DRO. DRO was not detected in the equipment blank above the MDL.

4.11 Field Duplicate

Two field duplicate samples were collected with the sample set; only DUP-1 was analyzed for DRO. Acceptable precision (RPD $\leq$30% for water samples if both results are greater than five times the quantitation limit) was demonstrated between the field duplicate sample and the original sample, MW-13. The RPD was greater than 50%; however, since the concentrations in the field duplicate pair were less than five times the RLs, no qualifications were applied to the data.

Sample ID	**Compound**	**Laboratory Result (µg/L)**	**Laboratory Flag**	**RPD**
MW-13	Diesel Range Organics [C10 - C28]	700	NA	32
DUP-1	Diesel Range Organics [C10 - C28]	970	NA	

µg/L-microgram per liter
NA-not applicable

4.12 Target Compound Identifications

The target compound identifications were within the validation criteria.

4.13 Target Compound Quantitation

The compound quantitations were within the validation criteria.

4.14 Sensitivity

The sample was reported to the MDLs. The MDLs and RLs reported were the same as those listed in Table C.2 in the QAPP. Screening criteria for DRO were not listed in table C.2 of the QAPP.

4.15 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level IV report at a minimum of 20%. It was noted that the sample IDs in the EDD included the date and time of laboratory receipt in the prefix; this prefix was not listed on the COC. No other discrepancies were identified between the level IV report and the EDD.

* * * * *

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; however, the associated numerical value is likely to be higher that the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.
J-	The analyte was positively identified; however, the associated numerical value is likely to be lower that the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	Analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS recovery outside limits
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other

RPD-relative percent difference