REPORT

Phase II Environmental Site Assessment
Future Federal Courthouse Project
Leatherwood Site

E. North Street, E. Coffee Street, N. Spring Street & N. Irvine Street

Greenville, South Carolina

PHE Project #1203-002

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PHASE II ENVIRONMENTAL SITE ASSESSMENT

FOR

FUTURE FEDERAL COURTHOUSE PROJECT
LEATHERWOOD SITE

E. NORTH STREET, E. COFFEE STREET, N. SPRING STREET, & N. IRVINE STREET

GREENVILLE, SOUTH CAROLINA

"I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR Part 312 Subpart B."

"I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."

Thomas A. Varner
Principal
Potomac-Hudson Engineering, Inc.

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EXECUTIVE SUMMARY

In March and April 2010, Potomac-Hudson Engineering, Inc. (PHE) conducted a Phase I Environmental Site Assessment (ESA) on behalf of the U.S. General Services Administration (GSA) for a multi-parcel site located in Greenville, South Carolina. The Phase I ESA was conducted in accordance with the current ASTM (E1527-05) and EPA (40 CFR Part 312) guidelines, which included interviews with key personnel, a review of historical documents, maps and aerial photographs, and a site inspection. The purpose of the Phase I ESA was to identify Recognized Environmental Conditions (RECs) at the site resulting from historical and/or current usage or condition of the property.

The subject site (a/k/a "Leatherwood site") is the proposed location for a future federal courthouse. The site encompasses one entire city block and a portion of the adjacent city block to the east in downtown Greenville (approximately 2.5 acres total) and is bordered by N. Spring Street, E. North Street, E. Coffee Street, and a Palmetto Bank facility. The majority of the site is a paved private parking lot; a small portion is occupied by a drive-through Wachovia Bank.

Based upon the results of the Phase I ESA, several RECs were identified for the subject property.

- **REC-1: Former Gas Station** – From the early 1930s until approximately 1970, a gasoline station occupied the northeast corner of the western block portion of the site. Historical Sanborn maps indicate that this facility utilized at least two underground storage tanks (USTs). No records exist to indicate whether these tanks were ever properly closed and/or removed. The potential exists for additional USTs (e.g., waste oil) to exist or have existed on this parcel. In addition, the possibility for other features of concern, such as subsurface hydraulic lifts, also exists for this parcel.

- **REC-2: Former Heating Oil UST at 202 E. North Street** – According to the City of Greenville Fire Chief, one 750-gallon UST was formerly located at 202 E. North Street, located at the northwest corner of the western block. The files indicated that the UST was removed in July 1996. No information was found regarding the condition of the tank, the presence of contamination, or the collection of any soil or groundwater samples.

- **REC-3: Former UST at Wachovia Bank Parcel** – The City of Greenville Fire Chief also was in possession of information which indicated that a 3,000-gallon UST may have formerly been located on the eastern block of the subject property. The records indicated that the UST was located at 304 E. North Street and was removed in November 1992 during construction of the First Union drive-thru bank (currently Wachovia). City directories confirmed that First Union was located at 304 E. North Street.

- **REC-4: Former Fill Port Observed at Palmetto Bank Property** – A UST fill port was observed by PHE personnel during a previous inspection of the site in 2005, which has since been removed based upon the site visit conducted in April 2010. The fill port was observed south of the Palmetto Bank building. It is unclear whether this tank represents

the 3,000-gallon UST reportedly removed from the site (as described above), the 3,000-gallon UST associated with the Palmetto Bank and closed-in-place (described below), or is a different tank.

- **REC-5: Palmetto Bank LUST Case** – The Palmetto Bank, located at 306 E. North Street immediately adjacent to the eastern portion of the site, was the location of a leaking UST. A 3,000-gallon diesel fuel tank was observed to be leaking at the Palmetto Bank in March 1993. The tank was subsequently investigated and abandoned in place, and a letter of No Further Action (NFA) with respect to environmental investigation involving the UST, was issued by the South Carolina Department of Health and Environmental Control (SCDHEC) in May 1993. Based upon surface topography, groundwater flow direction is expected to be towards the south across the site. The Palmetto Bank would therefore be located sidegradient of the subject property. However, exact groundwater flow direction at the site is unknown at this time.

- **REC-6: Site-wide Potential Historical Fill** – A Phase I ESA and Subsurface Exploration Report were prepared for the western block of the site in 1996 and 1998, respectively, by S&ME, Inc., a third-party consulting firm. The subsurface exploration consisted of nine soil borings drilled across the block to various depths ranging from 22 to 38 feet below ground. The report identified historical, non-native fill material in several of the borings at the site from the surface to depths of 3 to 6 feet below ground. Fill material has the potential to be contaminated, depending on its origin.

- **REC-7: Site-wide Potential Undiscovered USTs** – The historical development of the site indicates the potential for additional heating oil or other USTs to exist or have previously existed at the subject property.

In order to address these RECs, PHE conducted a Phase II ESA at the subject property during the period April 18-22, 2010. The Phase II ESA consisted of a geophysical survey of the site as well as soil and groundwater sampling.

The geophysical survey was conducted on April 18, 2010, and consisted of a site-wide electromagnetic survey (EM) in conjunction with ground-penetrating radar (GPR). No USTs were observed during the geophysical survey. The GPR results for the former gas station UST area were consistent with a disturbed and/or backfilled area. One subsurface anomaly was detected near the center of the western block. Based upon size, depth, and shape, it is suspected that this anomaly represented a sump or similar feature. With the exception of various subsurface utilities, no other suspect features were observed.

As a result of the anomaly observed on the western block, PHE identified one additional REC for the purposes of this Phase II ESA:

- **REC-8: Subsurface Anomaly on West Block**

A total of 45 borings were advanced at the site, ranging in depth from 5 feet to 80 feet below ground surface (bgs). The borings were installed using a combination of direct-push and air-rotary drilling methods. A total of six soil samples (plus one environmental duplicate) and three groundwater samples were collected for a wide suite of analyses as required by SCDHEC regulations and guidance.

Evidence of contamination was observed in borings located in the vicinity of the former gas station, which included strong odors and elevated photoionization detector (PID) readings. The extent of noticeably contaminated soil was of limited horizontal extent (approximately 750 square feet); horizontal delineation was qualitatively achieved through soil observations made at adjacent boreholes. The presence of bedrock and/or partially weathered rock (PWR) precluded vertical delineation in this area; however, one groundwater sample was collected at the location of the boring which displayed evidence of greatest contamination observed.

Possible historical fill material was also observed at the site and was sampled at two locations.

Soil contamination was found at the former gas station area (REC-1). The horizontal extent appears to be limited to approximately 750 square feet but the vertical extent is unknown. A petroleum constituent was detected in a groundwater sample from the former gas station area below regulatory screening criteria; however, all planned groundwater sampling could not be completed, and groundwater flow direction is uncertain due to the presence of a fractured bedrock aquifer system; therefore, it is possible that groundwater contamination remains undiscovered at the former gas station REC. Additional soil sampling is recommended to delineate the extent of vertical contamination, and groundwater sampling should be conducted to complete the original scope of work and adequately address the potential for contamination in this REC.

Evidence of soil contamination was not observed in borings advanced in the suspected areas of the former 750-gasllon heating oil UST (REC-2) and the former 3,000-gallon diesel UST (Wachovia Bank property; REC-3); however, no information exists regarding the former location of these USTs. Groundwater samples were planned for these RECs, as well as along the property perimeter to address the potential presence of previously present/unknown USTs (REC-7), which could not be completed due to time and budgetary constraints. This groundwater sampling should be conducted to complete the original scope of work and adequately address the potential for contamination in these RECs.

The Palmetto Bank fill port (REC-4) and the Palmetto Bank LUST (REC-5) are off-site and can be addressed via groundwater sampling on the Wachovia Bank property. No further action is warranted for historical fill (REC-6) or the west block subsurface anomaly (REC-8).

1.0 INTRODUCTION

1.1 Purpose and Scope

Potomac-Hudson Engineering, Inc. (PHE), under contract to the U.S. General Services Administration (GSA), conducted a Phase II Environmental Site Assessment (ESA) at a multi-parcel site located in Greenville, South Carolina.

The subject site (a/k/a "Leatherwood site") for this Phase II ESA is the proposed location for a future federal courthouse. The site encompasses one entire city block and a portion of the adjacent city block to the east in downtown Greenville (approximately 2.5 acres) and is bordered by N. Spring Street, E. North Street, E. Coffee Street, and a Palmetto Bank facility. The majority of the site is a paved private parking lot; a small portion is occupied by a drive-through Wachovia Bank. The location of the site can be found on the topographic map depicted in Figure 1, a copy of a recent aerial photograph for the site as depicted in Figure 2, and a copy of the current tax map depicted in Figure 3. Figures 1 through 3 can be found in Appendix A.

The Phase II ESA consisted of a geophysical survey of the entire property as well as an intrusive subsurface investigation at the site for the purpose of collecting soil and groundwater samples. The Phase II ESA was conducted solely to inspect for the presence or absence of contamination related to the seven RECs identified at the site during preparation of the Phase I ESA, as well as any additional concerns identified during the geophysical survey. Delineation of any observed contamination was not intended nor implied in the scope of work for this investigation.

Phase II ESA activities were conducted during the period April 18-22, 2010. A total of six soil samples and three groundwater samples were collected from a total of 44 borings investigated across the site to depths ranging from 5 feet to 80 feet below ground surface (bgs). Groundwater sampling was conducted via temporary well points installed and subsequently abandoned in the field (i.e., no monitoring wells were installed). Therefore, the groundwater sample analysis results only approximately represent actual conditions and are usable for screening purposes only.

1.2 Limitations and Exceptions of the Phase II ESA

This ESA was conducted with the following limitations and exceptions, some of which were established to define the scope of work and focus the assessment:

- Soil sampling at the site was conducted using a Geoprobe® direct-push unit. In general, refusal was encountered with the Geoprobe at depths ranging from 5 to 20 feet bgs primarily as a result of competent bedrock and/or partially-weathered rock (PWR). Refusal precluded the inspection of soil cores below the depth of refusal, where additional unconsolidated material and/or contamination may have existed.

- Groundwater flow direction is presumed to be towards the south or southwest at the site, based upon surface topography and the location of nearby surface water bodies (i.e., Reedy River). However, the exact direction of groundwater flow is not known at this time. In addition, two distinct groundwater regimes may exist at the site, consisting of shallow groundwater perched above the bedrock and an aquifer located within fractured bedrock. Time and budget constraints precluded the collection of a sufficient number of groundwater samples to properly characterize both types of groundwater occurrences and account for the potential variability of groundwater flow.

- The locations of certain UST RECs were determined based largely upon anecdotal information and historical maps. No site plans, as-built drawings, etc., were found to determine the precise locations of these features. Surface evidence of these features was largely precluded based upon the demolition of all historical buildings and the application of asphalt across the majority of the site. While the geophysical survey did not identify the locations of any current or former suspected tank areas at the site, the possibility exists that the actual location(s) of one or more RECs were located outside of the areas of the intrusive investigation.

- Due to time constraints and the need to use more expensive air rotary drilling methods due to bedrock, groundwater sampling was not conducted at all RECs as planned and the scope of work was not completed.

It should be noted that all statements, findings, and conclusions contained in this Phase II ESA are based upon: (i) site conditions at the time of the PHE reconnaissance and inspection; (ii) review of written or illustrated historical documents as available; and (iii) information reported to PHE by others. While there are no indications that the information provided is suspect, PHE does not assume responsibility for errors and omissions in the information assembled to produce this Phase II ESA.

This report has been prepared solely for the benefit of the U.S. General Services Administration and may not be relied upon by any other party without the written authorization of Potomac-Hudson Engineering, Inc. Potomac-Hudson Engineering, Inc. assumes no responsibility or liability for unauthorized third-party use of this Phase II ESA.

2.0 METHODOLOGY AND APPROACH

2.1 Geophysical Survey

On April 18, 2010, PHE conducted a geophysical survey at the subject property for the purposes of identifying subsurface utilities, anomalies, and other features which may represent an REC for the site. Reed-Tech, Inc. (Reed-Tech), of Columbia, South Carolina, was retained to perform the geophysical survey.

Initially, an electromagnetic (EM) survey was conducted across the entire site in transects at five-foot spacing oriented both north-south and east-west across the property. This was done in order to initially identify the location and general extent of any subsurface anomalies. A ground-penetrating radar (GPR) survey was subsequently conducted in order to further investigate and delineate any initial subsurface anomalies identified by EM. The GPR was also used at all previously identified suspected UST locations across the site whether or not the EM had identified an anomaly in order to provide further assurance that no feature(s) existed in these areas.

On April 20, 2010, personnel of Reed-Tech returned to the site to conduct additional screening for underground utilities in and around the areas of the site subject to the intrusive investigation. This was conducted in order to supplement a utility mark-out which had been called in for the site on April 14, 2010, using the South Carolina One Call System (Palmetto Utility Protection Service, or PUPS).

2.2 Soil and Groundwater Sampling

A total of 41 soil borings (B-1 through B-41) and three temporary well points (TW-1, TW-2, and TW-3) were installed at the site during the period April 20-22, 2010. Landprobe Drilling Services, LLC (Landprobe) was retained to conduct all drilling activities, temporary well installation, and boring abandonment procedures at the site.

All soil borings were advanced using a Geoprobe® direct-push unit with five-foot-long, two-inch-diameter, stainless steel macrocores. Each macrocore was lined with an acetate sleeve to prevent cross-contamination. All borings were planned to be advanced to a depth of 12 feet bgs or to the water table (estimated to be approximately 25 feet bgs) depending on the REC being investigated, unless refusal was encountered at a shallower depth. Refusal was encountered at all soil borings prior to reaching the water table at depths ranging from 5 feet to 20 feet bgs.

Each soil core retrieved was field-screened with a properly calibrated MiniRae® 2000 photoionization detector (PID) to inspect for the presence of volatile organic compound (VOC) vapors. In addition, evidence of stains, odors, and PID readings within the core were also noted for every location and recorded in a bound, project-dedicated logbook. All soil cores were also logged for percent recovery, grain size/texture, and color.

Six soil samples were collected from these 41 borings based upon appearance, odor, elevated PID readings, and other observations. For soil samples collected from petroleum UST RECs, laboratory analyses consisted of VOCs including methyl tert-butyl ether (MTBE), polycyclic aromatic hydrocarbons (PAHs) via low-level (SIMS) methodology which includes naphthalene, total petroleum hydrocarbons – diesel-range organics (TPH-DRO) using EPA Method 3550 (preparation method), and lead. For historic fill samples, laboratory analyses included VOCs, PAHs, EPA target analyte list (TAL) metals, TPH-DRO, pesticides, and polychlorinated biphenyls (PCBs). All soil sample analyses were chosen based upon the requirements of SCDHEC.

Due to shallow refusal using Geoprobe® methods, it was determined that an air-rotary drill rig would be required to penetrate bedrock and PWR in order to install temporary well points at the site. A total of four well points were attempted at the site using air rotary methods, with groundwater samples collected from three of these locations. The air-drilled borings ranged in depth from 36 feet to 80 feet bgs.

All groundwater samples were collected from passively-placed, narrow diameter points consisting of ten feet of one-inch-diameter slotted PVC screen (0.10-inch) at the bottom of each well point and the remainder consisting of un-slotted PVC piping (riser) from the top of the well screen to the surface. Clean suitable sand was placed around the annulus of the wells up to and above the top of the well screen.

Depth-to-water measurements were made before purging and immediately following sampling. The headspace in each well was also screened with the PID prior to purging and sampling. Groundwater from each temporary well point was purged with polyethylene tubing attached to a check (foot) valve using the principle of inertia. Purging of groundwater was conducted at each well point by rapidly moving the tube up and down to retrieve groundwater. Approximately 3 to 5 well volumes were purged at each well point prior to sampling. Groundwater sample fractions for all analyses were also conducted using the check-valve tubing method. Groundwater samples were analyzed for low-level VOCs (including BTEX, MTBE, 1,2-dichloroethane, and ethylene dibromide), PAHs (SIMS) including naphthalene, and lead. All groundwater sample analyses were chosen based upon the requirements of SCDHEC.

All boring and temporary well locations were photographed and subsequently surveyed for horizontal location using a Trimble Pro XRS Global Positioning System (GPS) unit with sub-meter accuracy.

3.0 ANALYTICAL METHODOLOGY AND QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) PROCEDURES

All soil and groundwater samples were submitted to Pace Analytical Services, Inc. (Pace), a South Carolina-certified laboratory, under chain-of-custody procedures. All samples were delivered to Pace in laboratory-provided bottleware and coolers, and were preserved with ice.

A total of six primary soil samples and three groundwater samples were collected. In addition, one soil environmental duplicate sample and one soil trip blank (VOCs only) were also collected for QA/QC purposes. For soil samples collected from petroleum UST RECs, laboratory analyses consisted of VOCs including methyl tert-butyl ether (MTBE), PAHs (SIMS) including naphthalene, TPH-DRO using EPA Method 3550 (preparation method), and lead. For historical fill soil samples, laboratory analyses will include VOCs, PAHs (SIMS), TAL metals, TPH-DRO, pesticides, and polychlorinated biphenyls (PCBs).

Soil samples collected for VOCs analysis were transferred directly from the macrocores to the appropriate bottleware via laboratory-provided plastic plungers which allowed a pre-determined sample volume of 5 grams.

Groundwater samples were analyzed for low-level VOCs (including BTEX, MTBE, 1,2-dichloroethane, and ethylene dibromide), PAHs (SIMS) including naphthalene, and lead. Groundwater fractions for VOCs analysis were filled with zero headspace to avoid VOC loss during shipping.

The table below provides a summary of analytical methods and QA/QC procedures. All analytical parameters and methodologies were performed in accordance with SCDHEC requirements.

Table 1. Quality Assurance Summary Table

Matrix	No. of Samples	No. of Duplicates	No. of Trip Blanks	Analytical Parameters (Method)	No. of MS/MSD	Container Volume	Preservative	HT to Extraction (days)	HT to Analysis (days)
Soil	6	1	1	VOCs, MTBE (8260/5035E)	1	3 x 40mL clear, 1 x 40mL amber	MeOH (1), $Na_2S_2O_3$ (2), Ice, 4°C	N/A	14
Soil	6	1	0	PAHs (SIMS) (8270)	1	1 x 4oz	Ice, 4°C	14	40
Soil	6	1	0	TPH-DRO (3550)	1	1 x 4oz	Ice, 4°C	14	40
Soil	4	0	0	Lead (6010 ICP)	1	1 x 4oz	Ice, 4°C	N/A	180

Matrix	No. of Samples	No. of Duplicates	No. of Trip Blanks	Analytical Parameters (Method)	No. of MS/MSD	Container Volume	Preservative	HT to Extraction (days)	HT to Analysis (days)
Soil	**2**	**1**	**0**	**TAL Metals (200.7)**	**1**	**1 x 4oz**	**Ice, 4°C**	**N/A**	**180**
Soil	**2**	**1**	**0**	**TCL Pesticides (8081)**	**1**	**1 x 4oz**	**Ice, 4°C**	**14**	**40**
Soil	**2**	**1**	**0**	**PCBs (8082)**	**1**	**1 x 4oz**	**Ice, 4°C**	**14**	**40**
GW	**3**	**0**	**0**	**VOCs, MTBE, EDB, 1,2-DCA (8260)**	**1**	**3 x 40mL**	**HCl, Ice, 4°C**	**N/A**	**14**
GW	**3**	**0**	**0**	**PAHs (SIMS) (8270)**	**1**	**2 x 1L amber**	**Ice, 4°C**	**7**	**40**
GW	**3**	**0**	**0**	**Lead (6010 ICP)**	**1**	**1 x 250mL plastic**	**HNO_3, Ice, 4°C**	**N/A**	**180**

MS/MSD = Matrix spike/matrix spike duplicate; HT = Holding time

Additional quality assurance/quality control (QA/QC) procedures included calibrating the gas chromatograph/mass spectrometer (GC/MS) each day prior to analysis, analyzing method blanks, spiked blanks, matrix spikes, and surrogates, as well as collecting environmental duplicate samples in the field. Surrogates are compounds not typically found in nature that are added in known quantities to all organic samples. The compounds added are similar to the compounds actually being sought in the analysis. A high surrogate recovery (usually 50% to 120%) indicates that the method was successful in analyzing the target compounds. Spiked blanks and matrix spikes are similar to surrogates in determining the accuracy of the analysis methodologies. Method blanks are used to determine if any contamination was added "by the method itself" during sample analysis.

Copies of QA/QC methodology, laboratory reports, chains-of-custody, and other documentation are located in Appendix C.

4.0 DISCUSSION OF RESULTS

4.1 Geophysical Survey

The entire subject property was surveyed by personnel of Reed-Tech using EM technology, while GPR was used in a supplemental manner in select locations. No definitive evidence of current or former USTs was observed during the geophysical survey.

One subsurface anomaly was observed near the center of the western block. The footprint of feature was approximately 8 feet by 10 feet. According to Reed-Tech, the shape, depth, size, and signature of the anomaly indicated that it was likely sump or similar feature.

Generally disturbed soils were evident based upon GPR results in the area of the former gas station (REC-1), particularly in the area of the former USTs as indicated on historical Sanborn Fire Insurance maps.

No other significant subsurface anomalies were identified during the geophysical survey. A copy of the Geophysical Evaluation letter report from Reed-Tech is included in Appendix B.

4.2 Soil and Groundwater Sampling

4.2.1 Overview

After completion of the Phase I ESA and geophysical survey at the subject property, PHE identified a total of eight RECs which were subsequently investigated during the Phase II ESA.

A total of 41 soil borings (B-1 through B-41) and three temporary well points (TW-1, TW-2, and TW-3) were installed at the site during the period April 20-22, 2010. Seven soil samples (including one environmental duplicate) and three groundwater samples were collected.

Table 2 below provides a summary of soil boring observations and sample depths for the 41 borings installed via Geoprobe® at the site.

Table 2. Summary of Soil Boring Observations and Samples Collected

Boring ID	Total Depth (bgs)	PID Readings Observed (bgs)	Max PID (units) and Depth (bgs)	Odors Observed	Sample ID	Sample Depth (bgs)
B-1	13.5 ft	None	N/A	None	None	N/A
B-2	17 ft	None	N/A	None	None	N/A
B-3	18.5 ft	None	N/A	None	None	N/A
B-4	9 ft	2.5 to 8.5 ft	64 (3 ft)	Moderate gasoline	**B-4-1**	2.5 to 3 ft
B-5	5 ft	0.5 to 5 ft	678 (4.5 ft)	Strong gasoline	**B-5-1**	4 to 4.5 ft

Boring ID	Total Depth (bgs)	PID Readings Observed (bgs)	Max PID (units) and Depth (bgs)	Odors Observed	Sample ID	Sample Depth (bgs)
B-6	19 ft	0.5 to 1.5 ft	9.2 (1.5 ft)	None	None	N/A
B-7	13 ft	None	N/A	None	None	N/A
B-8	8 ft	None	N/A	None	None	N/A
B-9	15 ft	None	N/A	None	None	N/A
B-10	12.5 ft	None	N/A	None	None	N/A
B-11	5 ft	None	N/A	None	None	N/A
B-12	6 ft	None	N/A	None	None	N/A
B-13	9 ft	8 to 8.5 ft	17.2 (8.25 ft)	Faint, unidentified	**B-13-1**	8 to 8.5 ft
B-14	19 ft	1.5 to 2 ft	0.5 (2 ft)	None	None	N/A
B-15	11.5 ft	None	N/A	None	None	N/A
B-16	11 ft	None	N/A	None	None	N/A
B-17	18 ft	14-14.5 ft	3 (14.25 ft)	None	None	N/A
B-18	14.5 ft	None	N/A	None	**B-18-1**	14 to 14.5 ft
B-19	10.5 ft	None	N/A	None	None	N/A
B-20	9 ft	None	N/A	None	None	N/A
B-21	9.5 ft	None	N/A	None	None	N/A
B-22	13 ft	None	N/A	None	None	N/A
B-23	19 ft	None	N/A	None	None	N/A
B-24	8 ft	None	N/A	None	None	N/A
B-25	6 ft	None	N/A	None	None	N/A
B-26	14 ft	None	N/A	None	None	N/A
B-27	17.5 ft	None	N/A	None	None	N/A
B-28	17 ft	None	N/A	None	None	N/A
B-29	14 ft	None	N/A	None	**B-29-1** **D-1** **B-29-2**	0 to 1.25 ft 0 to 1.25 ft 10.25 to 11.25 ft
B-30	7 ft	None	N/A	None	None	N/A
B-31	13 ft	None	N/A	None	None	N/A
B-32	20 ft	None	N/A	None	None	N/A
B-33	20 ft	None	N/A	None	None	N/A
B-34	19 ft	None	N/A	None	None	N/A
B-35	18.5 ft	None	N/A	None	None	N/A
B-36	15 ft	None	N/A	None	None	N/A
B-37	15 ft	None	N/A	None	None	N/A
B-38	14 ft	None	N/A	None	None	N/A
B-39	15 ft	None	N/A	None	None	N/A
B-40	10 ft	None	N/A	None	None	N/A
B-41	10 ft	None	N/A	None	None	N/A

PID - photoionization detector; ft = feet; N/A = not applicable; bgs = below ground surface

Table 3 below provides a summary of observations, measurements, and sample depths for the four borings installed via air-rotary drilling at the site.

Table 3. Summary of Temporary Well Boring Observations and Samples Collected

Boring ID	Total Depth (bgs)	Top of Bedrock (bgs)	Depth Groundwater Encountered	DTW at Time of Sample	Screened Interval	Sample ID	Purge Rate and Volume
TW-1	79.5 ft	8 to 9 ft	74 ft	63.75 ft	69.5 to 79.5 ft	**TW-1**	450 mL/min; 3 gallons
TW-2	36 ft	35 ft	35 to 36 ft	27.2 ft	26 to 36 ft	**TW-2**	400 mL/min; 1.5 gallons
TW-3	36 ft	22 ft	34 ft	27.5 ft	26 to 36 ft	**TW-3**	400 mL/min; 2 gallons
TW-4	80 ft	NR	No water	N/A	N/A	None	N/A

DTW = depth to water; N/A = not applicable; NR = not recorded; bgs = below ground surface; mL = milliliters

Borings B-1 through B-29, as well as temporary wells TW-1 through TW-3, were all installed in REC-1. Therefore, groundwater samples were not collected from any other RECs as planned. Borings B-30 through B-33 were investigated to address REC-2; borings B-36 through B-39 were investigated to address REC-3, as well as REC-4 and REC-5 to a lesser extent. Borings B-29, B-40, and B-41 were specifically installed to investigate REC-6, while all other borings were also used to evaluate the amount, extent, and location of historical fill in a supplemental manner. Finally, borings B-34 and B-35 were investigated to address REC-8. No evidence of additional past or present USTs was observed via the geophysical survey of the site; therefore, REC-7 was not of concern and therefore was not investigated.

Tables 4A and 4B below provide an overview of the analyses performed on each soil and groundwater sample collected, respectively, as well as the REC from which the sample was collected.

Table 4A: Soil Sample Summary

			Analyses						
Location	**Sample ID**	**Sample Interval (bgs)**	**TCL VOCs***	**PAHs** (SIMS)**	**TPH-DRO**	**TCL Pesticides**	**PCBs**	**TAL Metals**	**Lead (only)**
REC-1	B-4-1	2.5 to 3 ft	✓	✓	✓				✓
	B-5-1	4 to 4.5 ft	✓	✓	✓				✓
	B-13-1	8 to 8.5 ft	✓	✓	✓				✓
	B-18-1	14 to 14.5 ft	✓	✓	✓				✓
REC-1 & REC-6	B-29-1	0 to 1.25 ft	✓	✓	✓	✓	✓	✓	
	D-1	0 to 1.25 ft	✓	✓	✓	✓	✓	✓	
	B-29-2	10.25 to 11.25 ft	✓	✓	✓	✓	✓	✓	

*Includes MTBE; **Includes naphthalene; bgs = below ground surface

Table 4B: Groundwater Sample Summary

			Analyses			
Location	**Sample ID**	**Sample Interval (bgs)**	**TCL VOCs (low level)**	**MTBE, 1,2-DCA, EDB (low level)**	**PAHs* (SIMS)**	**Lead**
REC-1	TW-1	69.5 to 79.5 ft	✓	✓	✓	✓
	TW-2	27.2 to 36 ft	✓	✓	✓	✓
	TW-3	27.5 to 36 ft	✓	✓	✓	✓

*Includes naphthalene; bgs = below ground surface

4.2.2 General Site Lithology

During the preparation of the Phase I ESA report for this site, PHE was provided with a copy of a report entitled *Subsurface Exploration, Downtown Block Office Building and Parking Deck, East North Street at North Spring Street*, prepared for Highwoods Forsythe L.R. c/o Highwoods Properties, prepared by S&ME, Inc. (S&ME), dated June 1998.

The S&ME investigation consisted of the installation of nine soil borings (B-1 through B-9) across the western block of the subject property via hollow stem rotary drilling methods. The boreholes were investigated from the surface to bedrock, which ranges in depth at the site from

22 to 38 feet below ground surface (bgs). Shallow groundwater was encountered in six of the boreholes investigated. Where observed, the groundwater table was located at depths ranging from approximately 20 to 25 feet bgs.

In general, the lithology described by S&ME consisted of sandy silty clay or sandy clayey silt in the uppermost five to 10 feet, followed by alternating and varying amounts of medium to coarse sand and/or partially weathered bedrock to depths of 15 to 30 feet bgs, below which was competent bedrock consisting primarily of granite and biotite gneiss. The report also indicated the presence of historical fill material in certain areas of the site, located near the surface to depths ranging from 3 to 6 feet bgs.

During the Phase II ESA conducted by PHE, soil was logged from all soil borings installed by Geoprobe® methods, which ranged from the surface to depths of 5 to 20 feet bgs. In general, observations made by PHE are consistent with those by S&ME. The soil lithololgy at the site based on PHE observations is as follows:

- 0 to 5-8 feet: clay and sandy clay
- 5-8 to 20 feet: sand
- 8 to 32 feet: bedrock (with partially weathered rock above it)

4.2.3 Summary of Results by REC

The following sections include a summary of fieldwork, observations, and results for each REC investigated at the site. Please refer to Tables 4A and 4B for all sample analytical parameters. All soil boring/sample locations and results summaries can be found on Figure 4 in Appendix A. Copies of all laboratory data, including "detections only" tables, complete results summary tables, and complete laboratory reports, can be found in Appendix C.

Analytical results were compared to the SCDHEC Risk-Based Screening Levels (RBSLs). For those compounds which do not have a corresponding RBSL, the concentrations were compared to their respective U.S. Environmental Protection Agency (EPA) Region IX Regional Screening Levels (RSLs). These guidelines were provided to PHE by personnel of SCDHEC.

4.2.3.1 REC-1: Former Gas Station

Soil

A total of 29 soil borings were investigated in this REC via Geoprobe®, from the surface to depths ranging from 5 feet to 20 feet bgs. All borings were advanced until refusal was encountered. Prior to the soil boring investigation, PHE personnel marked the ground surface in this REC to indicate the boundaries of the former buildings, pump dispenser area, and USTs as was provided on or inferred from historical Sanborn maps and aerial photographs. The soil borings were then installed in a grid-like pattern across all areas of the former gas station. As stated earlier, each five-foot macrocore of soil was field screened with a PID and logged for soil texture, percent recovery, and other observations such as stains, odors, and moisture.

PID readings ranging from 10.4 to 64 units were observed from a depth range of 2.5 to 8.5 feet bgs at boring B-4. A moderate petroleum (weathered gasoline) odor was also observed throughout this interval. One soil sample (B-4-1) was collected from a depth of 2.5 to 3 feet bgs, which corresponded to the highest observed PID reading. This boring was terminated at 9 feet bgs as a result of refusal. Boring B-5, located approximately 14 feet east of B-4, contained strong petroleum odors throughout the entire interval, from near the surface to its maximum depth of 5 feet bgs (refusal). PID readings ranging from 2 to 678 units were observed from 0.5 to 5 feet bgs; sample B-5-1 was collected from a depth of 4 to 4.5 feet bgs, which corresponded to the highest observed PID readings.

Sample B-5-1 contained concentrations of naphthalene (0.579 milligrams/kilograms, or mg/kg), 1-methylnapthalene (0.066 mg/kg), and 2-methylnaphthalene (0.150 mg/kg), each of which individually exceeded the SCDHEC Risk-Based Screening Level (RBSL) level of 0.036 mg/kg for total naphthalenes. Naphthalenes are components of petroleum distillates, including gasoline and fuel oil. In addition, sample B-5-1 also contained concentrations of other petroleum constituents, including ethylbenzene, xylenes, isopropyltouene, propylbenzene, trimethylbenzenes, phenanthrene, and TPH, as well as lead. Sample B-4-1 also contained a concentration of naphthalene (0.14 mg/kg) which exceeded its SCDHEC RBSL. This sample also contained detectable concentrations of TPH, lead, and numerous PAH compounds. Although the concentrations of these contaminants were below their respective RBSL or RSL (where applicable), their presence indicates a historical release of petroleum within this REC.

A second boring was attempted approximately two feet west of B-5 in an attempt to achieve a greater depth. Refusal was also encountered at a depth of 5 feet bgs. Very strong petroleum odors and PID readings in excess of 2,000 units were observed at this location throughout the entire interval. Based on these observations, this borehole chosen as the location of a temporary well point and groundwater sample (discussed below).

Borings B-4 and B-5 were completely surrounded in all directions by additional borings B-3, B-6, and B-11 through B-16, which covered an area of approximately 750 square feet. With the exception of relatively low PID readings (borings B-6, B-13, and B-14) and a small interval of a faint unidentifiable odor (B-13), these surrounding borings appeared to be relatively uncontaminated based on field observations and may have served to horizontally delineate the obvious contamination observed in borings B-4 and B-5. One soil sample (B-13-1) was also collected at B-13 at a depth of 8 to 8.5 feet bgs, at the location of PID readings and the faint unidentified odor. Sample B-13-1 contained relatively low concentrations of lead, ethylbenzene, xylenes, naphthalenes, trimethylbenzenes, isopropyltoluene, and phenanthrene, all of which are potentially associated with petroleum distillates; these concentrations were all below their respective RBSLs or RSLs, where applicable.

With the exception of a very low PID reading within boring B-17, no PID readings, stains, or odors were observed in the remaining borings in REC-1 (B-1, B-2, and B-18 through B-29). One soil sample was collected at B-18 at a depth of 14 to 14.5 feet bgs to confirm the absence of contamination. This sample contained a low concentration of lead (10.2 mg/kg); all other results

were non-detect for this sample. While lead was a component of leaded gasoline used historically, it is also a naturally-occurring metal which may be native to the soil in this area.

Two historical fill samples (and one environmental duplicate sample) were collected from boring B-29; these results are discussed later under REC-6.

No soil moisture or other evidence of the apparent groundwater table was observed in the soil borings investigated in REC-1.

Groundwater

Three temporary well points (TW-1, TW-2, and TW-3) were installed via air rotary drilling methods and subsequently sampled within REC-1. A fourth well point (TW-4) was attempted at the south side of the western block. This boring was drilled to a depth of 80 feet bgs; however, no groundwater was encountered at the time of the boring installation.

TW-1 was installed adjacent to boring B-5, at the location of the highest observed PID readings in this REC. Competent bedrock was observed at this location at a depth of 8 to 9 feet bgs. The boring at this location was temporarily paused at depths of 30, 42, and 62 feet bgs to inspect for the presence of groundwater; none was observed. At a depth of approximately 74 feet bgs, a void in the bedrock was encountered, extending down to a depth of 78.5 feet bgs. Groundwater was observed within this void, and the boring was terminated at an approximate depth of 80 feet bgs. A temporary well was then constructed at this location, which contained 10 feet of 0.10-inch slotted PVC screen at the bottom of the borehole. Clean sand was placed in the annulus between the well screen and surrounding soil, from the bottom of the borehole to just above the top of the well screen. The well point was then allowed to sit and was monitored over the next hour.

Initial depth-to-groundwater at TW-1 was 71.9 feet bgs. Groundwater depth was then checked periodically over the next hour, and a rise of approximately 0.13 feet/minute was observed during that time. The rise in water level indicates that the groundwater at this location is confined (under pressure) within bedrock voids and fractures (artesian aquifer).

Depth-to-water immediately prior to purging was 63.25 feet bgs. The well was purged for approximately 20 minutes prior to sampling using tubing with a check-valve; approximately 3 gallons of water was purged. Sample TW-1 was subsequently collected with the check-valve tubing for VOC and PAH analyses. Sample TW-1 contained detectable concentrations of chloroform (1.1 micrograms/liter, or ug/L), lead (7.3 ug/L), and fluoranthene (0.2 ug/L). The concentration of lead was below its RBSL of 15 ug/L, and the concentration of fluoranthene was below its RSBL of 25 ug/L. No applicable corresponding RBSL or RSL was identified for chloroform. Chloroform was also observed in the other two groundwater samples collected at the site (discussed below), at similar concentrations, indicating that it may be related to laboratory contamination.

Two additional temporary wells were installed to the southwest (TW-2) and south (TW-3) of the former gas station area (including borings B-4 and B-5). At both locations, the borings were

terminated at a depth of 36 feet bgs shortly after shallow groundwater was encountered. It is unknown whether the groundwater encountered at these locations is representative of the same aquifer as observed at TW-1, or if it represents a separate, shallow aquifer perched above the underlying bedrock.

Static water level immediately prior to purging was 27.2 feet bgs at TW-2 and 27.5 feet bgs at TW-3. Both well points were constructed with 10 feet of 0.10-inch slotted PVC placed at the bottom of the borehole and filled with clean sand around the annulus. Purging and sampling was conducted using check-valve tubing; approximately 1.5 gallons of water was purged at TW-2 and approximately 2 gallons was purged at TW-3.

Sample TW-3, which was highly turbid, contained a concentration of lead (163 ug/L) which exceeded its RBSL of 15 ug/L. Sample TW-2 also contained lead, but at a concentration (9.5 ug/L) below its RBSL. TW-2 also contained a concentration of fluoranthene (0.02 ug/L) below its RSBL of 25 ug/L. Both samples also contained low concentrations of chloroform as discussed above.

It should be noted that these samples were collected from temporary wells and are considered "screening" samples and may be biased high for lead, due to sample turbidity. In addition, the well points were installed using air-rotary drilling methods and may be biased low for VOCs due to agitation of the subsurface by compressed air. Permanent monitoring well installation is required to collect "compliance point" samples.

4.2.3.2 REC-2: Former Heating Oil UST at 202 E. North Street

Four soil borings (B-30 through B-33) were installed adjacent to the sidewalk along N. Spring Street in the northwest corner of the western block. This area was the location of a former apartment building and office building located at 202 E. North Street. This building reportedly utilized a 750-gallon heating oil UST (exact location unknown).

The borings were located in a north-south line in the area of the former building footprint. Refusal was encountered at a depth of 7 feet bgs at B-30, a depth of 13 feet bgs at B-31, and a depth of 20 feet bgs at both B-32 and B-33. No PID readings, stains, odors, or other evidence of contamination were observed in any of the soil cores retrieved from these boreholes. No samples were collected from this REC.

4.2.3.3 REC-3: Former UST at Wachovia Bank Parcel, REC-4: Former Fill Port Observed at Palmetto Bank Property, and REC-5: Palmetto Bank LUST Case

Four soil borings (B-36 through B-39) were installed to investigate a former UST reportedly located on the eastern block portion of the site. The borings were located in a square pattern within the drive-through lanes of the Wachovia Bank, south of the building, in an area suspected to be the location of a former UST. The approximate location of the UST was determined based upon information obtained during the Phase I ESA.

Refusal was encountered at a depth of 14 feet bgs at B-38; borings B-36, B-37, and B-39 encountered refusal at 15 feet bgs. No PID readings, stains, odors, or other evidence of contamination were observed in any of the soil cores retrieved from these boreholes. No samples were collected from this REC.

During the Phase II ESA it was determined that the location of the former fill port, and presumed leaking UST at the Palmetto Bank, were both located off-site of the subject property and therefore were not investigated as part of this Phase II ESA.

4.2.3.4 REC-6: Site-wide Potential Historical Fill

As mentioned earlier, the S&ME *Subsurface Exploration* report indicated the presence of historical fill material across portions of the site, ranging in depth from 3 to 6 feet bgs.

Borings B-40 and B-41, located on the south side of the western block, were installed in "background" locations outside of any other known REC to inspect for the presence of fill material. Although these two borings were specifically installed to investigate for fill material, PHE inspected for and recorded the presence of fill material (where applicable) in all 41 soil borings installed at the site.

The historical development and disturbance of the site combined with the wide-varying nature of the native soil types observed onsite made it somewhat difficult to determine historical fill material from the native material. In general, two distinct shallow soil horizons were observed which may have been the result of historical fill material. These include a shallow, reddish-brown clayey layer and a slightly deeper, multicolored sandy layer.

Two samples were collected from possible fill material as described above at boring B-29. Sample B-29-1 was collected from the reddish-brown clay from just below the surface to a depth of 1.25 feet bgs. An environmental duplicate sample (D-1) was also collected from this boring at this depth. Sample B-29-2 was collected from white, tan, brown, and dark grey sand in boring B-29 at a depth of 10.25 to 11.25 bgs.

All three samples B-29-1, D-1, and B-29-2 contained concentrations of arsenic (2.9 mg/kg, 3.0 mg/kg, and 0.94 mg/kg, respectively) which exceeded its RSL of 0.39 mg/kg. Likewise, these three samples contained chromium concentrations (20 mg/kg, 20.6 mg/kg, and 14.2 mg/kg, respectively) which exceeded its RSL of 0.29 mg/kg. Elevated concentrations of metals are common to historical fill, but may also be naturally-occurring components of native soil.

In addition to the above, sample B-29-1 (0.021 mg/kg) and its duplicate sample D-1 (0.035 mg/kg) contained concentrations of benzo[a]pyrene (a PAH) which exceeded its RBSL of 0.015 mg/kg. Sample D-1 also contained a concentration of benzo[b]fluoranthene of 0.070 mg/kg which exceeded its RBSL of 0.066 mg/kg. Sample D-1 contained a concentration of one PCB congener (Arochlor-1260) of 0.055 mg/kg. This concentration was less than its respective RSL of 0.220 mg/kg, but provides further evidence of suspect fill material at the site.

Numerous other PAH compounds and metals were detected in these samples, but at concentrations below their respective RBSL or RSLs.

4.2.3.5 REC-7: Site-wide Potential Undiscovered USTs

No evidence of additional past or present USTs was observed during the geophysical survey. However, it is possible that former UST areas remain undiscovered. However, due to time and budgetary constraints, no groundwater sampling was conducted along the site perimeter to investigate this REC as planned.

4.2.3.6 REC-8: Subsurface Anomaly on West Block

The geophysical survey detected one significant subsurface anomaly at the site, located near the center of the western block. Based upon size, depth, and shape, it is suspected that this anomaly represents a sump or similar feature.

Two soil borings (B-34 and B-35) were installed immediately adjacent to the south and north sides, respectively, of the anomalous area. Both borings encountered refusal at approximately 19 feet bgs. No PID readings, stains, odors, or other evidence of contamination were observed in any of the soil cores retrieved from these boreholes. Several borings were attempted within the anomaly; however, refusal was encountered within 6 to 8 inches of the surface at each location. No samples were collected from this REC.

4.2.4 Abandonment Procedures

All boreholes and temporary wells were properly decommissioned and abandoned by personnel of Landprobe at the conclusion of all field activities. All boreholes were pressure-grouted with sodium bentonite using a tremie pipe as required. Water Well Record forms were completed for all boreholes investigated at the site by Landprobe and were subsequently submitted to the SCDHEC Bureau of Water. Copies of these forms are included in Appendix E.

4.2.5 Investigation-Derived Wastes

All soil retrieved either by direct-push drilling via macrocore or cuttings created by air-rotary drilling, as well as all purge water (approximately 6.5 gallons) were placed into 55-gallon drums at the site prior to characterization and proper disposal in accordance with SCDHEC requirements. A total of 11 drums of investigation-derived wastes (IDW) were accumulated during this investigation.

Advanced Environmental Options, Inc. (AEO) was retained by Landprobe for transportation and disposal of all IDW. The wastes were transported to an AEO facility in Spartanburg, South Carolina (U.S. EPA ID Number SCR00074575), on May 3, 2010. All wastes were classified as nonhazardous.

A copy of the Non-Hazardous Waste Manifest and associated documentation are included in Appendix F.

5.0 CONCLUSIONS AND RECOMMENDATIONS

A total of 44 borings were investigated at the site, ranging in depth from 5 feet to 80 feet below ground surface (bgs), to address the eight RECs previously identified at the site. The borings were installed using a combination of direct-push and air-rotary drilling methods. A total of six soil samples (plus one environmental duplicate) and three groundwater samples were collected for a wide suite of analyses as required by SCDHEC.

5.1 Conclusions

Analysis of soil samples from the former gas station area indicates that a discharge of gasoline has occurred at this REC. The contamination was found in an area suspected to be the former dispenser island area. The concentration of certain petroleum constituents exceeded applicable regulatory screening values. The soil contamination appears to be limited to an area encompassing approximately 750 square feet; however, due to sampling tool refusal, the vertical extent of contamination is not currently known. The presence of clay in the subsurface has not prevented the downward migration of contamination.

Three groundwater samples were also collected from the former gas station area. One of the groundwater samples was collected next to the boring that appeared to be the most contaminated, at the north end of the former gas station area. The other two samples were collected at the south end of the gas station area. One gasoline constituent was detected but not above its regulatory screening value in two of these samples, indicating that the gasoline discharge has reached groundwater. However, due to the presence of a fractured bedrock aquifer, and the absence of data regarding the occurrence and orientation of such fractures, the direction of groundwater flow at the former gas station area (and the site in general) is not known. Furthermore, groundwater sampling along the eastern and western sides of the former gas station was not possible due to time and budgetary constraints. Therefore, it is possible that groundwater contamination remains undiscovered at this REC.

No indication of contamination was observed in the soil borings advanced in the suspected areas of the 750-gallon heating oil UST formerly located in the northwest portion of the western block, and the 3,000-gallon diesel UST formerly located on the Wachovia Bank portion of the site. However, no information is available in historical files to indicate the former locations of these USTs nor their condition upon removal, whether samples were collected, etc. Due to time and budgetary constraints, groundwater samples could not be collected at these RECs as originally planned. Groundwater samples would be a better indicator of significant impacts in the general suspected area of their former locations.

Finally, it was not possible for the reasons cited previously to collect groundwater sample along the site perimeter as originally planned to confirm the absence of contamination due to potentially undiscovered former USTs.

5.2 Recommendations

According to Ms. Denise Place of the SCDHEC, GSA is not required to report a release or discharge from the former gas station operations since the station was closed prior to 1974. Furthermore, there is no regulatory requirement for GSA to remediate the site. If GSA desires to obtain SCDHEC approval of any investigation or remediation that may be conducted, GSA can register it with the SCDHEC Division of UST Management on a voluntary basis.

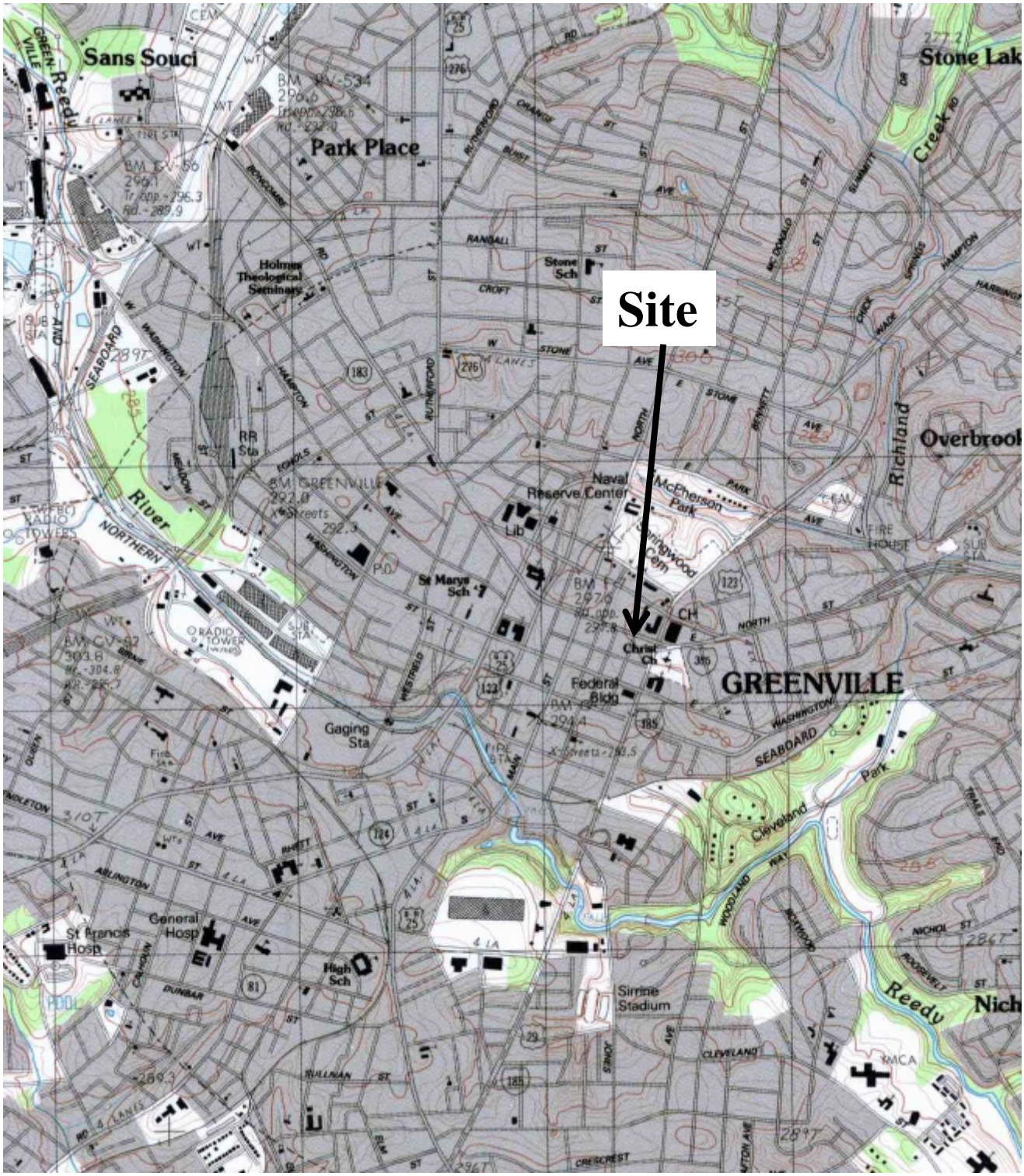
For purposes of due diligence and determining an appropriate purchase deduct for devaluation of the property due to environmental conditions, PHE recommends that additional soil sampling be conducted to confirm the vertical extent of soil contamination in the former gas station area. Additional groundwater sampling should also be conducted along the eastern and western sides of the gas station area due to uncertainty in groundwater flow direction. As originally planned, groundwater sampling is recommended for the former 750-gallong heating oil UST area and the former 3,000-gallon Wachovia Bank property UST. Groundwater sampling should also be conducted along the site perimeter, also as included in the original Phase II ESA scope of work.

APPENDIX A:

FIGURES

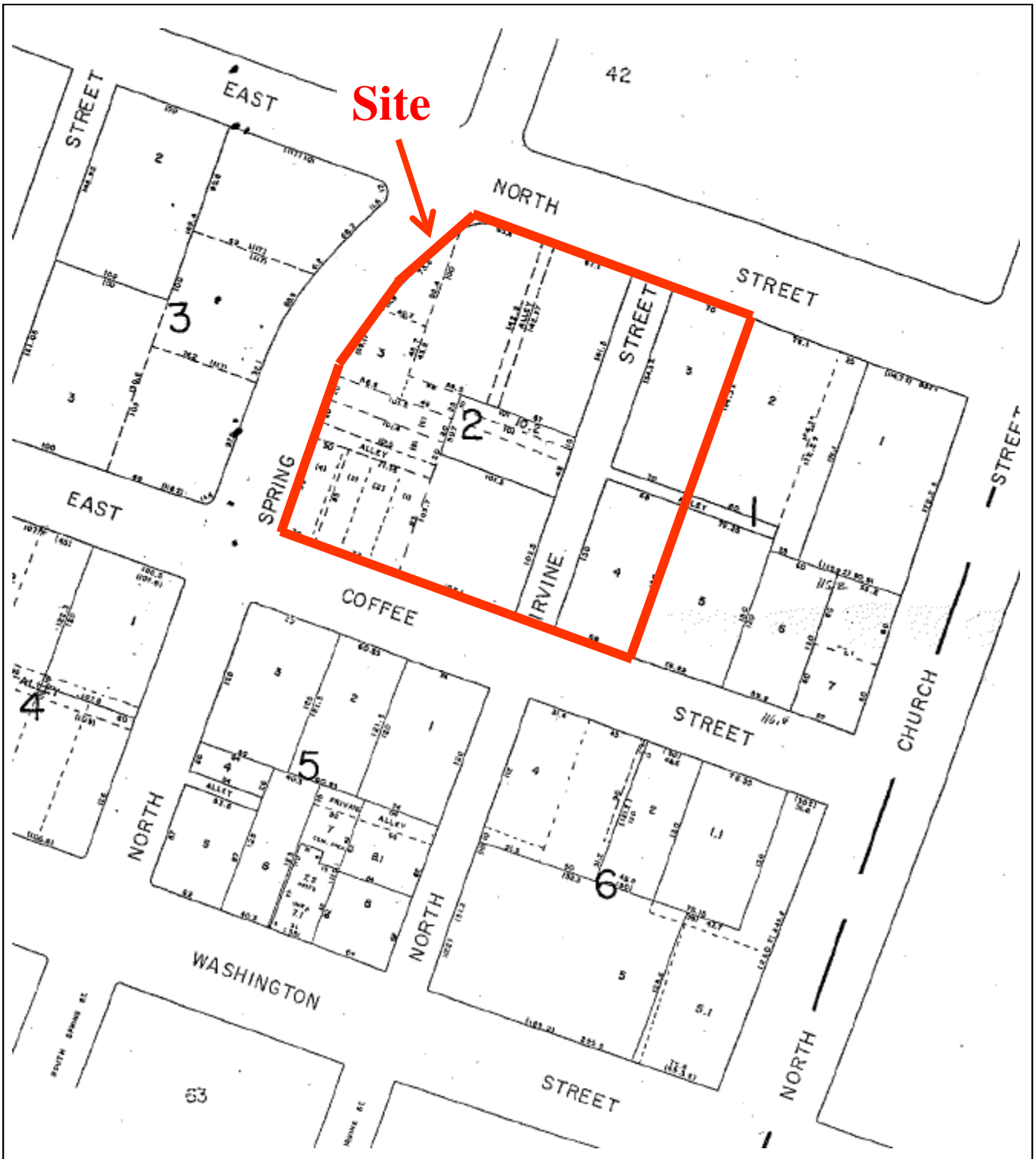
Potomac-Hudson Engineering, Inc.

- *Engineers*
- *Scientists*
- *Planners*



PHE	N W E S	**Figure 1.** USGS Topographic Map (1983) Greenville, SC Quadrangle	**Scale: 1" = 2,000'** **Source:** EDR

PHE	N W E S	**Figure 2.** 2006 Aerial Photograph	**Scale: 1" = 604'** **Source:** EDR



PHE	N W E S	**Figure 3.** Tax Map	**Not to Scale** **Source:** City of Greenville

APPENDIX B:

GEOPHYSICAL SURVEY REPORT

Potomac-Hudson Engineering, Inc.

- *Engineers*
- *Scientists*
- *Planners*

Reed Tech, Inc.

P.O. Box 212684, Columbia, SC 29221-2684

April 30, 2010

Mr. Christopher Rua
Project Manager
PHE
1161 Broad Street, Suite 318
Shrewsbury Boro, NJ 07702

Re: Geophysical Evaluation, Coffee Street, Greenville, South Carolina

File: Report

Dear Mr. Rua:

Reed Tech Incorporated (Reed Tech) is pleased to submit this report to PHE for a limited geophysical survey in support of an environmental site assessment at a parking lot and adjacent parking area at a Wachovia Bank drive-thru, and a Palmetto Bank building located at North Spring, East Coffee, East North and Irvine Streets in down town Greenville, South Carolina.

Background

PHE requested that Reed Tech complete a geophysical investigation at parking lots located at a Wachovia Bank drive-thru, and a Palmetto Bank building located at North Spring, East Coffee, East North and Irvine Streets in downtown Greenville, South Carolina. Based on information provided by PHE, the site was formerly occupied by numerous buildings paved parking lots. According to a 1961 Sanborn Insurance Map, a gasoline station was located on a portion of this property. Here, several underground storage tanks (USTs) were reported. Presently, the disposition of these USTs is not known.

Results

On April 18, 2010, Reed Tech completed a geophysical evaluation of the site utilizing a multifrequency electromagnetic (EM) detector (GEM-2) equipped with a real-time global positioning survey (GPS) system.

GEM-2 EM unit rigged for use with bicycle

The location of the EM data stations and profile lines are illustrated in Figure 1. Reed Tech also utilized a mid frequency ground-penetrating radar (GSSI Model 3000) to evaluate anomalous subsurface conditions indicative of potential USTs or former UST tank pits.

Field Investigation and Results

Reed Tech completed the following field investigations:

1. Reed Tech completed a low-resolution MFEM geophysical survey at the site based on a line spacing of 5-feet and a sampling interval of approximately 1.5-feet along each profile line. Reed Tech utilized a GEM-2 MFEM unit operated in detection mode only. These data were observed to evaluate the presence or absence of large EM anomalies associated with underground storage tanks.

2. Based on the results of the MFEM survey Reed Tech decided that additional investigations using ground-penetrating radar were necessary for areas where strong anomalies were present. These locations of these features are highlighted in Figures 2 and 3 and include a potential UST burial pit, and a suspected subsurface sump or septic system. No USTs were indicated on the site. Other anomalous areas can be attributed to non-active utilities or remnants of former building foundations.

Location of suspected underground sump feature.

3. In support of the anticipate drilling program, Reed Tech also performed a EM search for buried and overhead utilities carrying 60-cycle AC electrical power. The results of this evaluation are presented in Figure 4. Here, red hues indicate the presence of AC power electrical utilities.

4. Reed Tech then created a 3-D GPR map of the suspected location of the former USTs at the position identified in the 1961 Sanborn Map. Here, a horizontal slice image of the GPR record indicates the potential location of the former UST pit. The results of this evaluation are presented in Figure 5.

Area evaluated for former UST pit.

Recommendations

No additional geophysical investigations are recommended to evaluate the location of the former UST Pit.

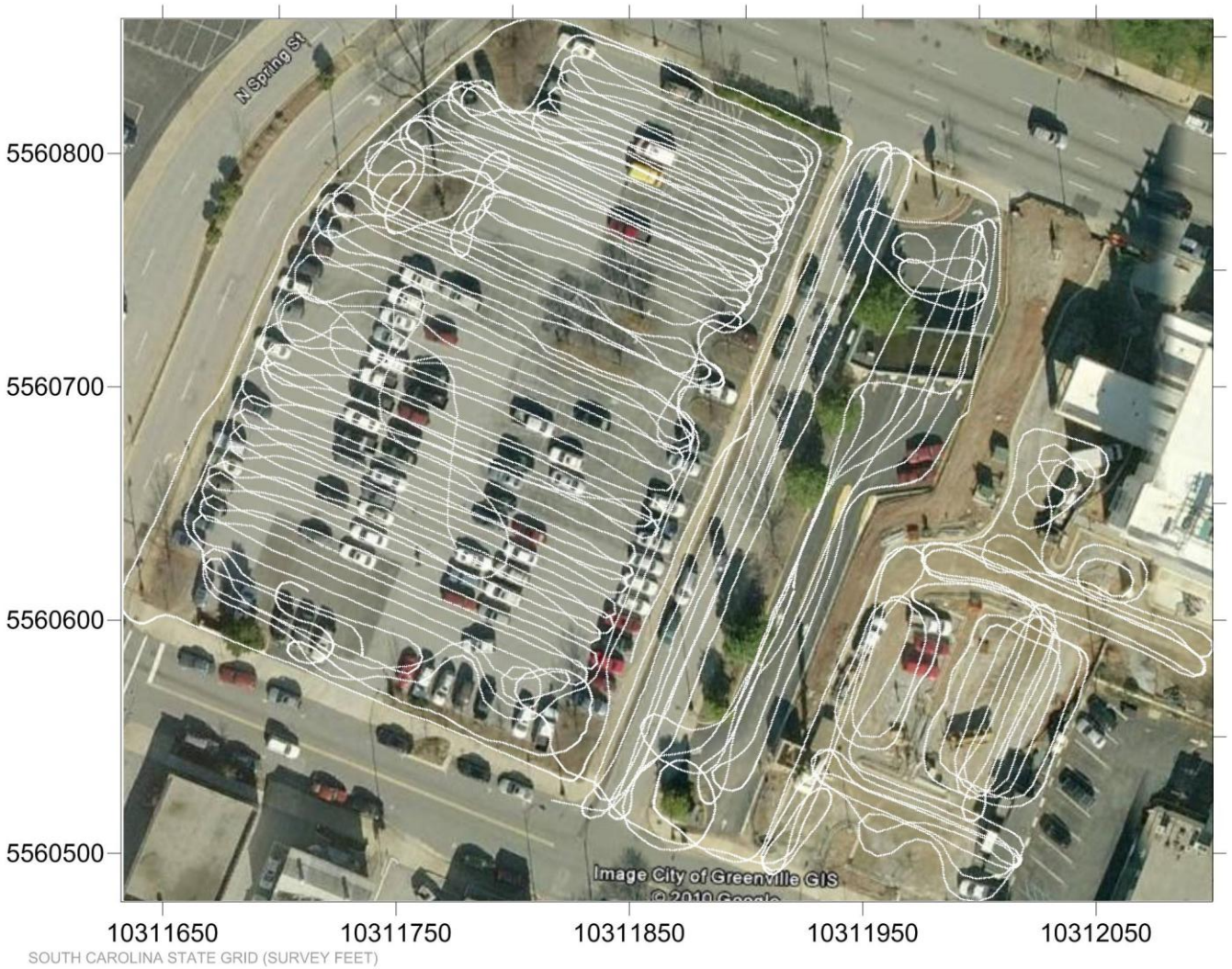
Please give us a call should you have any questions concerning this report. We appreciate this opportunity to be of service to you.

Very truly yours,

REED TECH INC.

Jeff Garnto, President

FIGURE 1



LEGEND

INDICATES LOCATION OF MFEM DATA POINTS AND PROFILES

LOCATION OF PROFILE LINES

MULTIFREQUENCY EM GEOPHYSICAL SURVEY PARKING LOT GREENVILLE, SOUTH CAROLINA

SITE PLAN

0 50

SCALE IN FEET

4/18/2010

Reed Tech, Inc.

60030 Hz IN-PHASE DATA
METAL DETECTION MODE

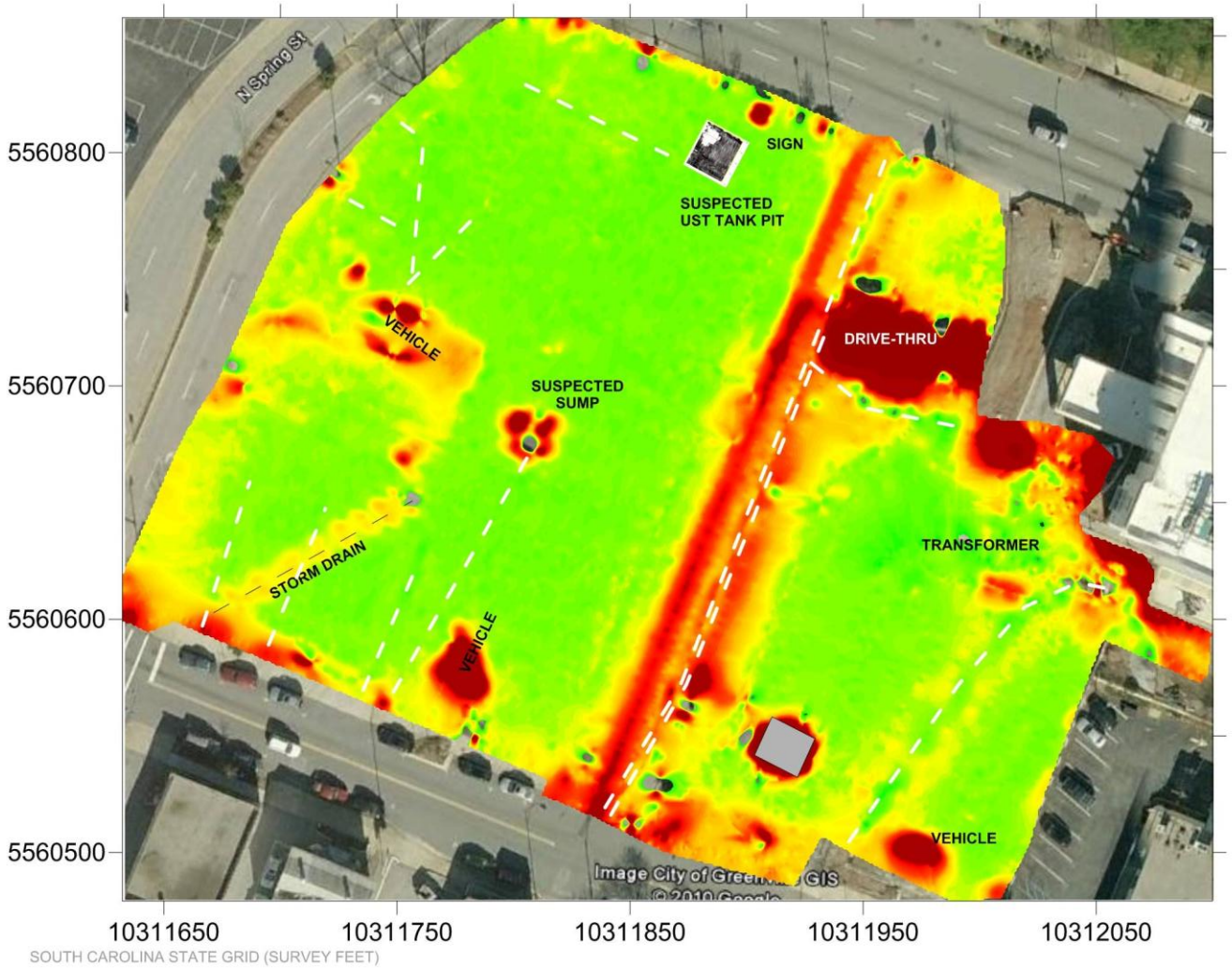
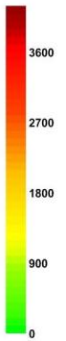


FIGURE 2

UNIDENTIFIED
UTILITIES

LEGEND



PPM

MULTIFREQUENCY EM
GEOPHYSICAL SURVEY
PARKING LOT
GREENVILLE, SOUTH CAROLINA

0 50

SCALE IN FEET

4/18/2010

Reed Tech, Inc.

60030 Hz CONDUCTIVITY DATA

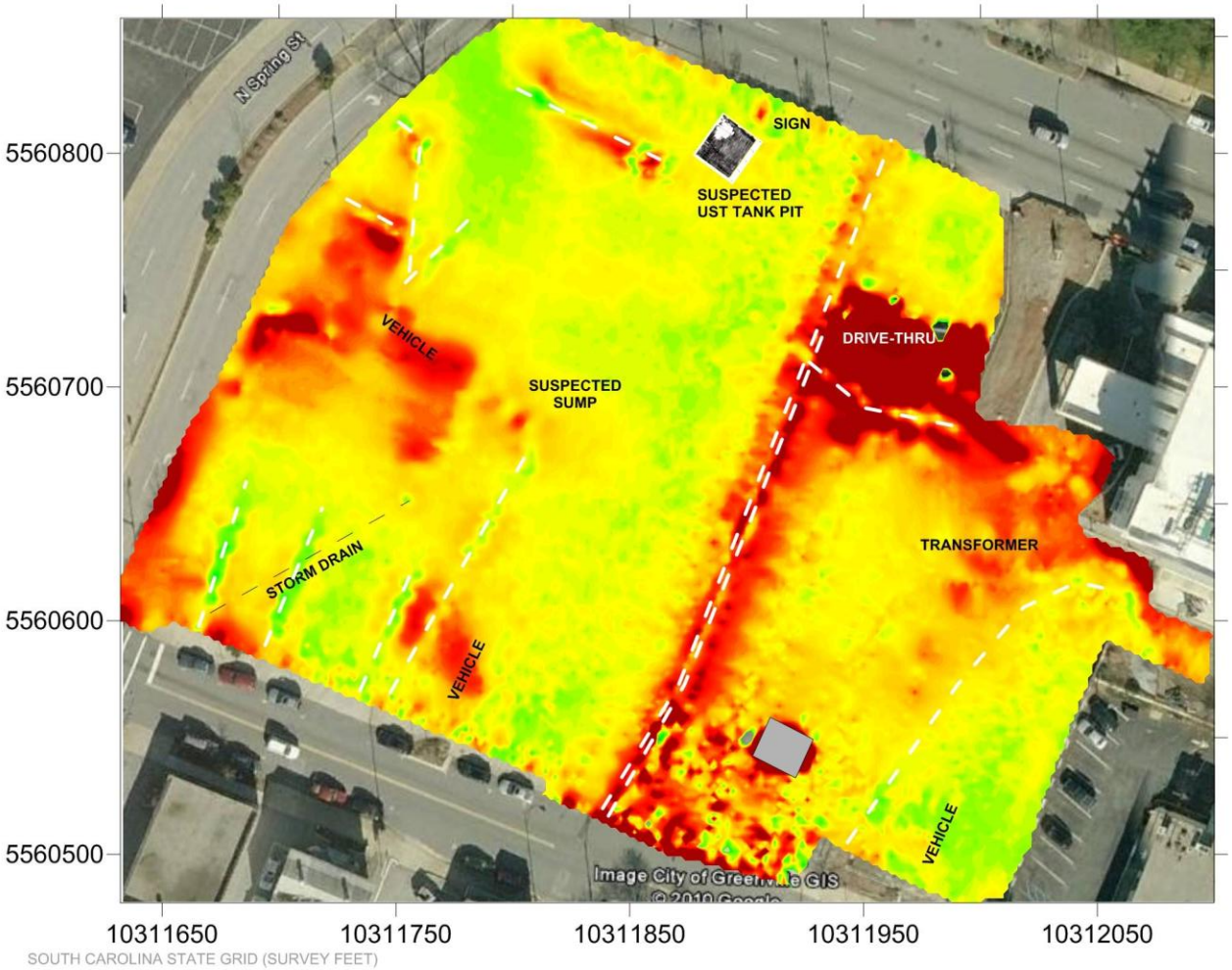


FIGURE 3

UNIDENTIFIED UTILITIES

LEGEND

36
27
18
9
0
mS/M

MULTIFREQUENCY EM GEOPHYSICAL SURVEY PARKING LOT GREENVILLE, SOUTH CAROLINA

0 50

SCALE IN FEET

4/18/2010

Reed Tech, Inc.

60-CYCLE AC ELECTRICAL HUM DATA

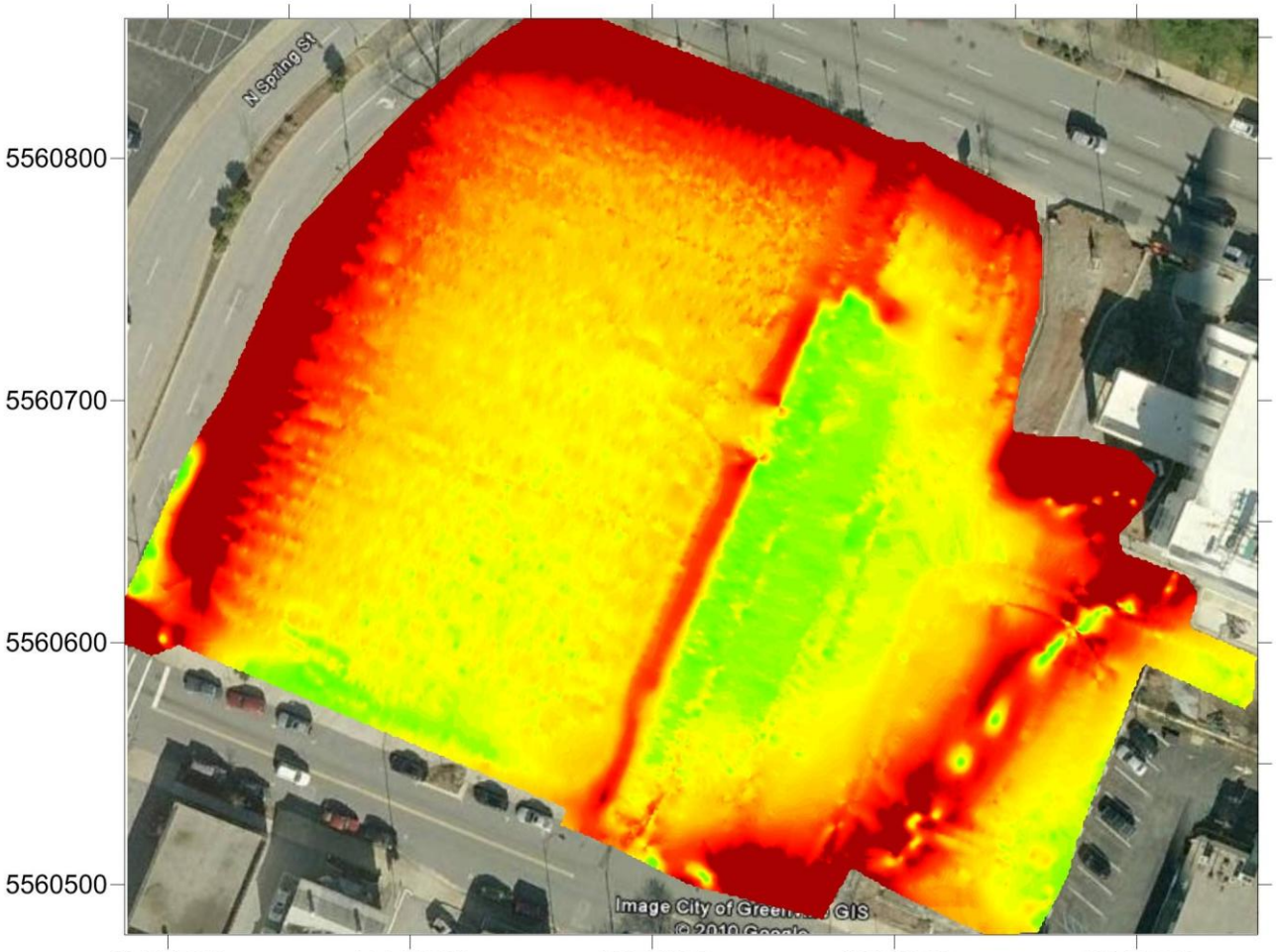


FIGURE 4

LEGEND

60-CYCLE ELECTRIC UTILTIES →

180
135
90
45
0

INTENSITY

MULTIFREQUENCY EM GEOPHYSICAL SURVEY
PARKING LOT
GREENVILLE, SOUTH CAROLINA

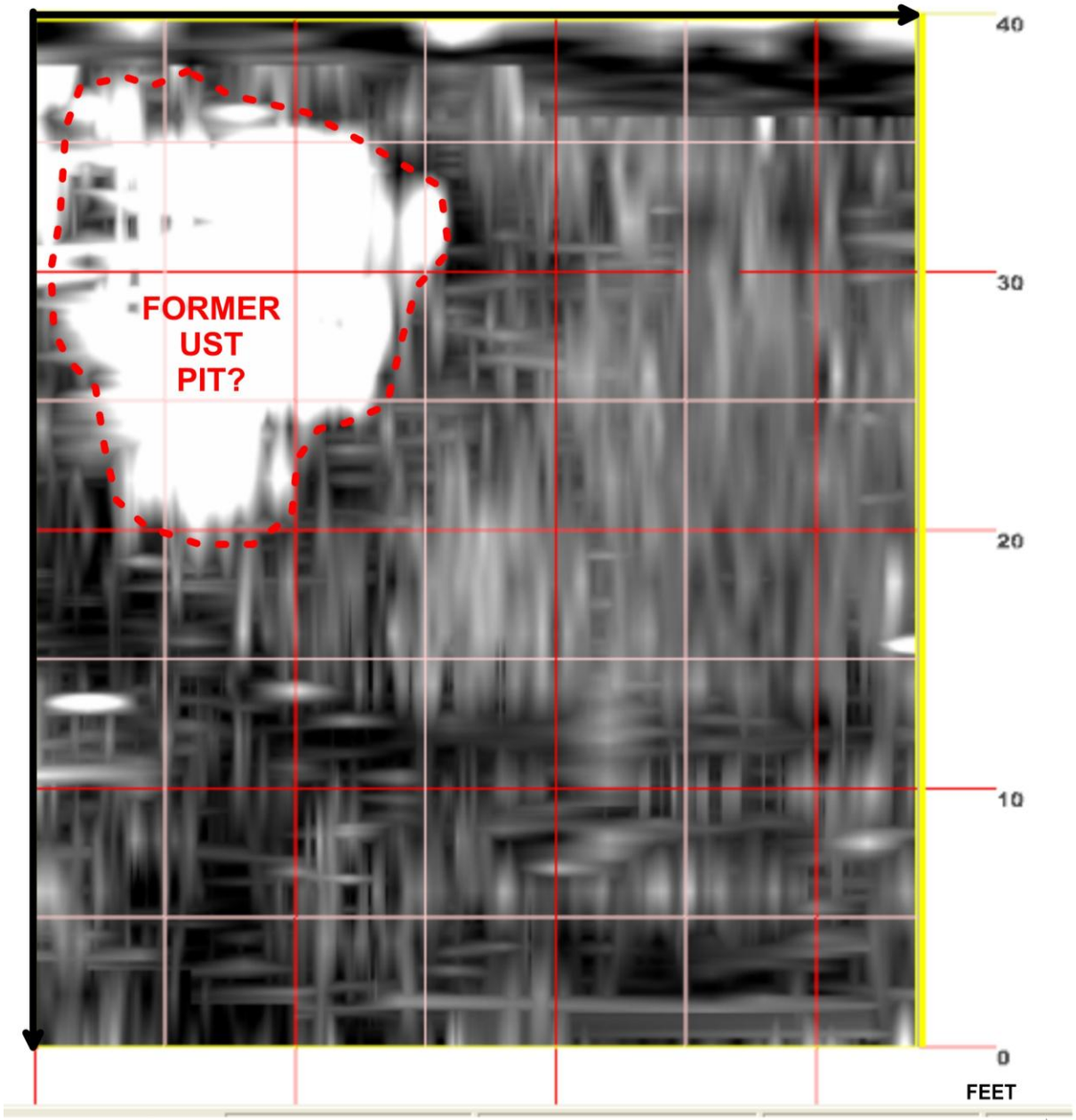
0 50

SCALE IN FEET

4/18/2010

Reed Tech, Inc.

FIGURE 5



GPR HORIZONTAL SLICE
OF SUSPECTED FORMER UST PIT

Reed Tech, Inc.

APPENDIX C:

SAMPLE RESULTS SUMMARY TABLES AND COMPLETE LABORATORY REPORTS

Potomac-Hudson Engineering, Inc.

- *Engineers*
- *Scientists*
- *Planners*

Table 5A: Soil Sample Results Detections

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	**B-4-1**		**B-5-1**		**B-13-1**		**B-18-1**		**SCDHEC RBSLs and EPA Region IX RSLs (Residential)**	**EPA Region IX RSLs (Industrial)**
Lab Sample No.	9267829001		9267829002		9267829003		9267829004			
Sampling Date	04/20/2010		04/20/2010		04/20/2010		04/20/2010			
Matrix	Solid		Solid		Solid		Solid			
Units	mg/kg		mg/kg		mg/kg		mg/kg			
1,2,4-Trimethylbenzene	0.212	U	**4.83**		**0.0461**		0.0059	U	62 mg/kg	260 mg/kg
1,3,5-Trimethylbenzene	0.212	U	**1.98**		**0.0211**		0.0059	U	780 mg/kg	
Diesel Components	**16.5**		**82.1**		0.0063	U	5.5	U		
Ethylbenzene	0.212	U	**0.38**		**0.0026**	J	0.0059	U	1.15 mg/kg	
Isopropylbenzene (Cumene)	0.212	U	**0.10**	J	0.0049	U	0.0059	U	2100 mg/kg	11000 mg/kg
Lead	**66.3**		**30.5**		**24.9**		**10.2**		400 mg/kg	800 mg/kg
Naphthalene	**0.14**	J	**0.58**		**0.018**		0.0059	U	0.036 mg/kg	
Xylene (Total)	0.424	U	**2.90**		**0.0219**		0.0118	U	14.5 mg/kg	
n-Propylbenzene	0.212	U	**0.378**		0.0049	U	0.0059	U		
p-Isopropyltoluene	0.212	U	**0.442**		**0.002**	J	0.0059	U		
sec-Butylbenzene	0.212	U	**0.10**	J	0.0049	U	0.0059	U		
1-Methylnaphthalene	**0.011**	J	**0.066**		0.02	U	0.018	U	0.036 mg/kg	
2-Methylnaphthalene	**0.019**	J	**150**		**0.0052**	J	0.018	U	0.036 mg/kg	
Benzo(a)anthracene	**0.0028**		**0.00084**	J	0.002	U	0.0118	U	0.066 mg/kg	
Benzo(a)pyrene	**0.0028**		0.0021	U	0.002	U	0.0118	U	0.015 mg/kg	0.210 mg/kg
Benzo(b)flouranthene	**0.0032**	J	0.0042	U	0.004	U	0.0035	U	0.066 mg/kg	
Benzo(g,h,i)perylene	**0.0024**	J	0.0042	U	0.004	U	0.0035	U		
Benzo(k)flouranthene	**0.002**	J	0.0021	U	0.002	U	0.0118	U	0.066 mg/kg	
Chrysene	**0.0028**		0.0021	U	0.002	U	0.0118	U	0.066 mg/kg	
Fluoranthene	**0.0047**		0.0042	U	0.004	U	0.0035	U	2300 mg/kg	22000 mg/kg
Fluorene	**0.0016**	J	**0.0017**	J	0.004	U	0.0035	U	2300 mg/kg	22000 mg/kg
Indeno(1,2,3-cd)pyrene	**0.0016**	J	0.0021	U	0.002	U	0.0118	U	0.150 mg/kg	2.1 mg/kg
Phenanthrene	**0.0047**		**0.0046**		**0.0008**	J	0.0118	U	3400 mg/kg	21000 mg/kg
Pyrene	**0.0059**		**0.00084**		0.002	U	0.0118	U	1700 mg/kg	17000 mg/kg

SCDHEC RBSLs = South Carolina Department of Health & Environmental Control Risk-Based Screening Levels

EPA Region IX RSLs = U.S. Environmental Protection Agency Region IX Regional Screening Levels

U = Not detected at or above the reporting limit (RL) indicated

J = Estimated value

Concentration exceeds either the SCDHEC RBSL or EPA Region IX RSL

Indicates SCDHEC RBSL

mg/kg = milligrams/kilogram

Table 5A: Soil Sample Results Detections

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	**B-29-1**		**D-1**		**B-29-2**		**SCDHEC RBSLs and EPA Region IX RSLs (Residential)**	**EPA Region IX RSLs (Industrial)**
Lab Sample No.	9268051001		9268051002		9268051003			
Sampling Date	04/21/2010		04/21/2010		04/21/2010			
Matrix	Solid		Solid		Solid			
Units	mg/kg		mg/kg		mg/kg			
Acetone	**0.0162**		**0.019**	J	0.11	U	61000 mg/kg	630000 mg/kg
Aluminum	**29000**		**28900**		**17000**		77000 mg/kg	990000 mg/kg
Antimony	**1.2**		**0.96**		**0.59**		31 mg/kg	410 mg/kg
Arsenic	**2.9**		**3.0**		**0.94**		0.39 mg/kg	1.6 mg/kg
Beryllium	**0.29**		**0.30**		**0.42**		160 mg/kg	2000 mg/kg
Cadmium	**1.4**		**1.0**		**0.18**		70 mg/kg	800 mg/kg
Calcium	**825**		**1040**		**277**			
Chromium	**20.0**		**20.6**		**14.2**		0.29 mg/kg	5.6 mg/kg
Cobalt	0.53	U	0.55	U	**1.0**		23 mg/kg	300 mg/kg
Copper	**3.4**		**3.6**		**3.0**		3100 mg/kg	41000 mg/kg
Iron	**40600**		**37600**		**19000**		55000 mg/kg	720000 mg/kg
Lead	**25.3**		**23.5**		**8.2**		400 mg/kg	800 mg/kg
Magnesium	**195**		**198**		**1800**			
Manganese	**63.0**		**55.6**		**166**		1800 mg/kg	23000 mg/kg
Mercury	**0.054**		**0.069**		**0.014**		0.0056 mg/kg	0.034 mg/kg
Nickel	**4.8**		**4.8**		**4.6**		1500 mg/kg	20000 mg/kg
PCB-1260 (Aroclor 1260)	0.0074	U	**0.055**		0.0063	U	0.220 mg/kg	0.740 mg/kg
Potassium	**393**	J	**381**	J	**3750**			
Selenium	1.1	U	**0.53**	J	**0.43**	J	390 mg/kg	5100 mg/kg
Sodium	**61.2**	J	**72.7**	J	**179**	J		
Thallium	**0.45**	J	**0.39**	J	**0.82**	J		
Vanadium	**60.3**		**58.8**		**22.0**		390 mg/kg	5200 mg/kg
Zinc	**11.3**		**10.9**		**35.2**		23000 mg/kg	310000 mg/kg
Anthracene	**0.0029**		**0.005**		0.002	U	17000 mg/kg	170000 mg/kg
Benzo(a)anthracene	22	U	**0.035**		**0.00081**	J	0.066 mg/kg	
Benzo(a)pyrene	**0.021**		**0.035**		**0.00081**	J	0.015 mg/kg	0.210 mg/kg
Benzo(b)flouranthene	35	U	**0.070**		**0.00160**	J	0.066 mg/kg	
Benzo(g,h,i)perylene	**0.019**		**0.032**		**0.00160**	J		
Benzo(k)flouranthene	18	U	**0.018**		**0.00081**	J	0.066 mg/kg	
Chrysene	31	U	**0.051**		**0.00120**	J	0.066 mg/kg	
Dibenz(a,h)anthracene	**0.0012**	J	**0.002**	J	0.004	U	0.066 mg/kg	
Fluoranthene	**0.075**		**0.120**		**0.00240**	J	2300 mg/kg	22000 mg/kg
Fluorene	4.0	U	**0.003**	J	0.004	U	2300 mg/kg	22000 mg/kg
Indeno(1,2,3-cd)pyrene	**0.018**		**0.029**		**0.00120**	J	0.150 mg/kg	2.1 mg/kg
Phenanthrene	**0.026**		**0.039**		**0.00120**	J	3400 mg/kg	21000 mg/kg
Pyrene	53	U	**0.083**		**0.00160**	J	1700 mg/kg	17000 mg/kg

SCDHEC RBSLs = South Carolina Department of Health & Environmental Control Risk-Based Screening Levels

EPA Region IX RSLs = U.S. Environmental Protection Agency Region IX Regional Screening Levels

U = Not detected at or above the reporting limit (RL) indicated

J = Estimated value

Concentration exceeds either the SCDHEC RBSL or EPA Region IX RSL

Indicates SCDHEC RBSL

mg/kg = milligrams/kilogram

Table 5B: Groundwater Sample Results Detections

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	**TW-1**		**TW-2**		**TW-3**		**SCDHEC RBSLs**
Lab Sample No.	9268081001		9268081002		9268081003		
Sampling Date	04/22/2010		04/22/2010		04/22/2010		
Matrix	Water		Water		Water		
Units	ug/L		ug/L		ug/L		
Chloroform	**1.1**		**0.42**	J	**0.58**	J	NA
Lead	**7.3**		**9.5**		**163**		15 ug/L
Fluoranthene	**0.02**	J	**0.02**	J	0.1	U	25 ug/L

SCDHEC RBSLs = South Carolina Department of Health & Environmental Control Risk-Based Screening Levels

U = Not detected at or above the reporting limit (RL) indicated

J = Estimated value

Concentration exceeds the SCDHEC RBSL

ug/L = micrograms/Liter

NA = Not applicable

Table 6A: Soil Sample Results Summary

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	SCDHEC RBSLs and EPA Regions IX RSLs (Residential)	EPA Regions IX RSLs (Industrial)	B-4-1		B-5-1			
Lab Sample No.			9267829001			9267829002		
Sampling Date			04/20/2010			04/20/2010		
Matrix			Solid			Solid		
Dilution Factor			1		50	1		50	
Units	ug/kg (unless otherwise noted)		mg/kg		ug/kg	mg/kg		ug/kg	
1,1,1,2-Tetrachloroethane	1900	9300	NA		212	U	NA		233	U
1,1,1-Trichloroethane	8700000	38000000	NA		212	U	NA		233	U
1,1,2,2-Tetrachloroethane	560	2800	NA		212	U	NA		233	U
1,1,2-Trichloroethane	1100	5300	NA		212	U	NA		233	U
1,1-Dichloroethane	3300	17000	NA		212	U	NA		233	U
1,1-Dichloroethene	240000	1100000	NA		212	U	NA		233	U
1,1-Dichloropropene			NA		212	U	NA		233	U
1,2,3-Trichlorobenzene	49000	490000	NA		212	U	NA		233	U
1,2,3-Trichloropropane	5	95	NA		212	U	NA		233	U
1,2,4-Trichlorobenzene	22000	99000	NA		212	U	NA		233	U
1,2,4-Trimethylbenzene	62000	260000	NA		212	U	NA		**4830**	
1,2-Dibromo-3-chloropropane	5.4	69	NA		212	U	NA		233	U
1,2-Dibromoethane (EDB)	34	170	NA		212	U	NA		233	U
1,2-Dichlorobenzene	1900000	9800000	NA		212	U	NA		233	U
1,2-Dichloroethane	430	2200	NA		212	U	NA		233	U
1,2-Dichloropropane	890	4500	NA		212	U	NA		233	U
1,3,5-Trimethylbenzene	780000		NA		212	U	NA		**1980**	
1,3-Dichlorobenzene	2400	12000	NA		212	U	NA		233	U
1,3-Dichloropropane	1600000	20000000	NA		212	U	NA		233	U
1,4-Dichlorobenzene	2400	12000	NA		212	U	NA		233	U
2,2-Dichloropropane			NA		212	U	NA		233	U
2-Butanone (MEK)	28000000	200000000	NA		4240	U	NA		4660	U
2-Chlorotoluene			NA		212	U	NA		233	U
2-Hexanone	210000	1400000	NA		2120	U	NA		2330	U
4-Chlorotoluene			NA		212	U	NA		233	U
4-Methyl-2-pentanone (MIBK)	5300000	53000000	NA		2120	U	NA		2330	U
Acetone	61000000	630000000	NA		4240	U	NA		4660	U
Benzene	7		NA		212	U	NA		233	U
Bromobenzene	300000	1800000	NA		212	U	NA		233	U
Bromochloromethane			NA		212	U	NA		233	U
Bromodichloromethane	270	1400	NA		212	U	NA		233	U
Bromoform	61000	220000	NA		212	U	NA		233	U
Bromomethane	7300	32000	NA		424	U	NA		466	U
Carbon tetrachloride	250	1200	NA		212	U	NA		233	U
Chlorobenzene	290000	1400000	NA		212	U	NA		233	U
Chloroethane			NA		424	U	NA		466	U
Chloroform	290	1500	NA		212	U	NA		233	U
Chloromethane	120000	500000	NA		424	U	NA		466	U
Dibromochloromethane	680	3300	NA		212	U	NA		233	U
Dibromomethane	34	170	NA		212	U	NA		233	U
Dichlorodifluoromethane	180000	780000	NA		424	U	NA		466	U
Diesel Components			**16.5**		NA		**82.1**		NA	
Diisopropyl ether	1400000	5800000	NA		212	U	NA		233	U
Ethylbenzene	1150		NA		212	U	NA		**377**	
Hexachloro-1,3-butadiene	6200	22000	NA		212	U	NA		233	U
Isopropylbenzene (Cumene)	2100000	11000000	NA		212	U	NA		**101**	J
Lead	400 mg/kg	800 mg/kg	**66.3**		NA		**30.5**		NA	
Methyl-tert-butyl ether	43000	220000	NA		212	U	NA		233	U
Methylene Chloride	11000	53000	NA		848	U	NA		932	U
Naphthalene	36		NA		**141**	J	NA		**579**	
Styrene	6300000	36000000	NA		212	U	NA		233	U
Tetrachloroethene	550	2600	NA		212	U	NA		233	U
Toluene	1450		NA		212	U	NA		233	U
Trichloroethene	2800	14000	NA		212	U	NA		233	U
Trichlorofluoromethane	790000	3400000	NA		212	U	NA		233	U
Vinyl acetate	970000	4100000	NA		2120	U	NA		2330	U
Vinyl chloride	60	1700	NA		424	U	NA		466	U
Xylene (Total)	14500		NA		424	U	NA		**2900**	
cis-1,2-Dichloroethene	780000	10000000	NA		212	U	NA		233	U
cis-1,3-Dichloropropene	1700	8100	NA		212	U	NA		233	U
m&p-Xylene	34000	17000000	NA		424	U	NA		**2610**	
n-Butylbenzene			NA		212	U	NA		233	U
n-Propylbenzene			NA		212	U	NA		**378**	
o-Xylene	38000	19000000	NA		212	U	NA		**293**	
p-Isopropyltoluene			NA		212	U	NA		**442**	
sec-Butylbenzene			NA		212	U	NA		**100**	J
tert-Butylbenzene			NA		212	U	NA		233	U
trans-1,2-Dichloroethene	150000	690000	NA		212	U	NA		233	U
trans-1,3-Dichloropropene	1700	8100	NA		212	U	NA		233	U
1-Methylnaphthalene	36				**11**	J			**66**	
2-Methylnaphthalene	36				**19**	J			**150**	
Acenaphthene	3400000	33000000			20	U			21	U
Acenaphthylene					39	U			42	U

Table 6A: Soil Sample Results Summary

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	SCDHEC RBSLs and EPA Regions IX RSLs (Residential)	EPA Regions IX RSLs (Industrial)	B-4-1			B-5-1		
Lab Sample No.			9267829001			9267829002		
Sampling Date			04/20/2010			04/20/2010		
Matrix			Solid			Solid		
Dilution Factor			1	50		1	50	
Units	ug/kg (unless otherwise noted)		mg/kg	ug/kg		mg/kg	ug/kg	
Anthracene	17000000	170000000		2.0	U		2.1	U
Benzo(a)anthracene	66			**2.8**			**0.84**	J
Benzo(a)pyrene	15	210		**2.8**			2.1	U
Benzo(b)flouranthene	66			**3.2**	J		4.2	U
Benzo(g,h,i)perylene				**2.4**	J		4.2	U
Benzo(k)flouranthene	66			**2.0**	J		2.1	U
Chrysene	66			**2.8**			2.1	U
Dibenz(a,h)anthracene	66			3.9	U		4.2	U
Fluoranthene	2300000	22000000		**4.7**			4.2	U
Fluorene	2300000	22000000		**1.6**	J		**1.7**	J
Indeno(1,2,3-cd)pyrene	150	2100		**1.6**	J		2.1	U
Phenanthrene				**4.7**			**4.6**	
Pyrene	1700000	17000000		**5.9**			**0.84**	

NA: Not analyzed
SCDHEC RBSLs = South Carolina Department of Health & Environmental Control Risk-Based Screening Levels
EPA Region IX RSLs = U.S. Environmental Protection Agency Region IX Regional Screening Levels
U = Not detected at or above the reporting limit (RL) indicated
J = Estimated value
Concentration exceeds either the SCDHEC RBSL or EPA Region IX RSL
Indicates SCDHEC RBSL
mg/kg = milligrams/kilogram
ug/kg - micrograms/kilogram

Table 6A: Soil Sample Results Summary

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	SCDHEC RBSLs and EPA Regions IX RSLs (Residential)	EPA Regions IX RSLs (Industrial)	B-13-1				B-18-1			
Lab Sample No.			9267829003				9267829004			
Sampling Date			04/20/2010				04/20/2010			
Matrix			Solid				Solid			
Dilution Factor			1				1			
Units	ug/kg (unless otherwise noted)		mg/kg		ug/kg		mg/kg		ug/kg	
1,1,1,2-Tetrachloroethane	1900	9300	NA		4.9	U	NA		5.9	U
1,1,1-Trichloroethane	8700000	38000000	NA		4.9	U	NA		5.9	U
1,1,2,2-Tetrachloroethane	560	2800	NA		4.9	U	NA		5.9	U
1,1,2-Trichloroethane	1100	5300	NA		4.9	U	NA		5.9	U
1,1-Dichloroethane	3300	17000	NA		4.9	U	NA		5.9	U
1,1-Dichloroethene	240000	1100000	NA		4.9	U	NA		5.9	U
1,1-Dichloropropene			NA		4.9	U	NA		5.9	U
1,2,3-Trichlorobenzene	49000	490000	NA		4.9	U	NA		5.9	U
1,2,3-Trichloropropane	5	95	NA		4.9	U	NA		5.9	U
1,2,4-Trichlorobenzene	22000	99000	NA		4.9	U	NA		5.9	U
1,2,4-Trimethylbenzene	62000	260000	NA		**46.1**		NA		5.9	U
1,2-Dibromo-3-chloropropane	5.4	69	NA		4.9	U	NA		5.9	U
1,2-Dibromoethane (EDB)	34	170	NA		4.9	U	NA		5.9	U
1,2-Dichlorobenzene	1900000	9800000	NA		4.9	U	NA		5.9	U
1,2-Dichloroethane	430	2200	NA		4.9	U	NA		5.9	U
1,2-Dichloropropane	890	4500	NA		4.9	U	NA		5.9	U
1,3,5-Trimethylbenzene	780000		NA		**21.1**		NA		5.9	U
1,3-Dichlorobenzene	2400	12000	NA		4.9	U	NA		5.9	U
1,3-Dichloropropane	1600000	20000000	NA		4.9	U	NA		5.9	U
1,4-Dichlorobenzene	2400	12000	NA		4.9	U	NA		5.9	U
2,2-Dichloropropane			NA		4.9	U	NA		5.9	U
2-Butanone (MEK)	28000000	200000000	NA		98.5	U	NA		118	U
2-Chlorotoluene			NA		4.9	U	NA		5.9	U
2-Hexanone	210000	1400000	NA		49.2	U	NA		58.9	U
4-Chlorotoluene			NA		4.9	U	NA		5.9	U
4-Methyl-2-pentanone (MIBK)	5300000	53000000	NA		49.2	U	NA		58.9	U
Acetone	61000000	630000000	NA		98.5	U	NA		118	U
Benzene	7		NA		4.9	U	NA		5.9	U
Bromobenzene	300000	1800000	NA		4.9	U	NA		5.9	U
Bromochloromethane			NA		4.9	U	NA		5.9	U
Bromodichloromethane	270	1400	NA		4.9	U	NA		5.9	U
Bromoform	61000	220000	NA		4.9	U	NA		5.9	U
Bromomethane	7300	32000	NA		9.8	U	NA		11.8	U
Carbon tetrachloride	250	1200	NA		4.9	U	NA		5.9	U
Chlorobenzene	290000	1400000	NA		4.9	U	NA		5.9	U
Chloroethane			NA		9.8	U	NA		11.8	U
Chloroform	290	1500	NA		4.9	U	NA		5.9	U
Chloromethane	120000	500000	NA		9.8	U	NA		11.8	U
Dibromochloromethane	680	3300	NA		4.9	U	NA		5.9	U
Dibromomethane	34	170	NA		4.9	U	NA		5.9	U
Dichlorodifluoromethane	180000	780000	NA		9.8	U	NA		11.8	U
Diesel Components			6.3	U	NA		5.5	U	NA	
Diisopropyl ether	1400000	5800000	NA		4.9	U	NA		5.9	U
Ethylbenzene	1150		NA		2.6	J	NA		5.9	U
Hexachloro-1,3-butadiene	6200	22000	NA		4.9	U	NA		5.9	U
Isopropylbenzene (Cumene)	2100000	11000000	NA		4.9	U	NA		5.9	U
Lead	400 mg/kg	800 mg/kg	**24.9**		NA		**10.2**		NA	
Methyl-tert-butyl ether	43000	220000	NA		4.9	U	NA		5.9	U
Methylene Chloride	11000	53000	NA		19.7	U	NA		23.5	U
Naphthalene	36		NA		**18.0**		NA		5.9	U
Styrene	6300000	36000000	NA		4.9	U	NA		5.9	U
Tetrachloroethene	550	2600	NA		4.9	U	NA		5.9	U
Toluene	1450		NA		4.9	U	NA		5.9	U
Trichloroethene	2800	14000	NA		4.9	U	NA		5.9	U
Trichlorofluoromethane	790000	3400000	NA		4.9	U	NA		5.9	U
Vinyl acetate	970000	4100000	NA		49.2	U	NA		58.9	U
Vinyl chloride	60	1700	NA		9.8	U	NA		11.8	U
Xylene (Total)	14500		NA		**21.9**		NA		11.8	U
cis-1,2-Dichloroethene	780000	10000000	NA		4.9	U	NA		5.9	U
cis-1,3-Dichloropropene	1700	8100	NA		4.9	U	NA		5.9	U
m&p-Xylene	34000	17000000	NA		**21.9**		NA		11.8	U
n-Butylbenzene			NA		4.9	U	NA		5.9	U
n-Propylbenzene			NA		4.9	U	NA		5.9	U
o-Xylene	38000	19000000	NA		4.9	U	NA		5.9	U
p-Isopropyltoluene			NA		**2**	J	NA		5.9	U
sec-Butylbenzene			NA		4.9	U	NA		5.9	U
tert-Butylbenzene			NA		4.9	U	NA		5.9	U
trans-1,2-Dichloroethene	150000	690000	NA		4.9	U	NA		5.9	U
trans-1,3-Dichloropropene	1700	8100	NA		4.9	U	NA		5.9	U
1-Methylnaphthalene	36				20	U			18	U
2-Methylnaphthalene	36				**5.2**	J			18	U
Acenaphthene	3400000	33000000			20	U			18	U
Acenaphthylene					40	U			35	U

Table 6A: Soil Sample Results Summary

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	SCDHEC RBSLs and EPA Regions IX RSLs (Residential)	EPA Regions IX RSLs (Industrial)	B-13-1				B-18-1			
Lab Sample No.			9267829003				9267829004			
Sampling Date			04/20/2010				04/20/2010			
Matrix			Solid				Solid			
Dilution Factor			1				1			
Units	ug/kg (unless otherwise noted)		mg/kg		ug/kg		mg/kg		ug/kg	
Anthracene	17000000	170000000			2.0	U			1.8	U
Benzo(a)anthracene	66				2.0	U			1.8	U
Benzo(a)pyrene	15	210			2.0	U			1.8	U
Benzo(b)flouranthene	66				4.0	U			3.5	U
Benzo(g,h,i)perylene					4..0	U			3.5	U
Benzo(k)flouranthene	66				2.0	U			1.8	U
Chrysene	66				2.0	U			1.8	U
Dibenz(a,h)anthracene	66				4.0	U			3.5	U
Fluoranthene	2300000	22000000			4.0	U			3.5	U
Fluorene	2300000	22000000			4.0	U			3.5	U
Indeno(1,2,3-cd)pyrene	150	2100			2.0	U			1.8	U
Phenanthrene					**0.80**	**J**			1.8	U
Pyrene	1700000	17000000			2.0	U			1.8	U

NA: Not analyzed

SCDHEC RBSLs = South Carolina Department of Health & Environmental Cont

EPA Region IX RSLs = U.S. Environmental Protection Agency Region IX Regic

U = Not detected at or above the reporting limit (RL) indicated

J = Estimated value

Concentration exceeds either the SCDHEC RBSL or EPA Region IX RSL

Indicates SCDHEC RBSL

mg/kg = milligrams/kilogram

ug/kg - micrograms/kilogram

Table 6A: Soil Sample Results Summary

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	SCDHEC RBSLs and EPA Regions IX RSLs (Residential)	EPA Regions IX RSLs (Industrial)	TRIP BLANK	
Lab Sample No.			9267829005	
Sampling Date			04/20/2010	
Matrix			Solid	
Dilution Factor			1	
Units	ug/kg (unless otherwise noted)		ug/kg	
1,1,1,2-Tetrachloroethane	1900	9300	5.0	U
1,1,1-Trichloroethane	8700000	38000000	5.0	U
1,1,2,2-Tetrachloroethane	560	2800	5.0	U
1,1,2-Trichloroethane	1100	5300	5.0	U
1,1-Dichloroethane	3300	17000	5.0	U
1,1-Dichloroethene	240000	1100000	5.0	U
1,1-Dichloropropene			5.0	U
1,2,3-Trichlorobenzene	49000	490000	5.0	U
1,2,3-Trichloropropane	5	95	5.0	U
1,2,4-Trichlorobenzene	22000	99000	5.0	U
1,2,4-Trimethylbenzene	62000	260000	5.0	U
1,2-Dibromo-3-chloropropane	5.4	69	5.0	U
1,2-Dibromoethane (EDB)	34	170	5.0	U
1,2-Dichlorobenzene	1900000	9800000	5.0	U
1,2-Dichloroethane	430	2200	5.0	U
1,2-Dichloropropane	890	4500	5.0	U
1,3,5-Trimethylbenzene	780000		5.0	U
1,3-Dichlorobenzene	2400	12000	5.0	U
1,3-Dichloropropane	1600000	20000000	5.0	U
1,4-Dichlorobenzene	2400	12000	5.0	U
2,2-Dichloropropane			5.0	U
2-Butanone (MEK)	28000000	200000000	100	U
2-Chlorotoluene			5.0	U
2-Hexanone	210000	1400000	50.0	U
4-Chlorotoluene			5.0	U
4-Methyl-2-pentanone (MIBK)	5300000	53000000	50.0	U
Acetone	61000000	630000000	11.9	J
Benzene	7		5.0	U
Bromobenzene	300000	1800000	5.0	U
Bromochloromethane			5.0	U
Bromodichloromethane	270	1400	5.0	U
Bromoform	61000	220000	5.0	U
Bromomethane	7300	32000	10.0	U
Carbon tetrachloride	250	1200	5.0	U
Chlorobenzene	290000	1400000	5.0	U
Chloroethane			10.0	U
Chloroform	290	1500	5.0	U
Chloromethane	120000	500000	10.0	U
Dibromochloromethane	680	3300	5.0	U
Dibromomethane	34	170	5.0	U
Dichlorodifluoromethane	180000	780000	10.0	U
Diesel Components			NA	
Diisopropyl ether	1400000	5800000	5.0	U
Ethylbenzene	1150		5.0	U
Hexachloro-1,3-butadiene	6200	22000	5.0	U
Isopropylbenzene (Cumene)	2100000	11000000	5.0	U
Lead	400 mg/kg	800 mg/kg	NA	
Methyl-tert-butyl ether	43000	220000	5.0	U
Methylene Chloride	11000	53000	20.0	U
Naphthalene	36		5.0	U
Styrene	6300000	36000000	5.0	U
Tetrachloroethene	550	2600	5.0	U
Toluene	1450		5.0	U
Trichloroethene	2800	14000	5.0	U
Trichlorofluoromethane	790000	3400000	5.0	U
Vinyl acetate	970000	4100000	50.0	U
Vinyl chloride	60	1700	10.0	U
Xylene (Total)	14500		10.0	U
cis-1,2-Dichloroethene	780000	10000000	5.0	U
cis-1,3-Dichloropropene	1700	8100	5.0	U
m&p-Xylene	34000	17000000	10.0	U
n-Butylbenzene			5.0	U
n-Propylbenzene			5.0	U
o-Xylene	38000	19000000	5.0	U
p-Isopropyltoluene			5.0	U
sec-Butylbenzene			5.0	U
tert-Butylbenzene			5.0	U
trans-1,2-Dichloroethene	150000	690000	5.0	U
trans-1,3-Dichloropropene	1700	8100	5.0	U
1-Methylnaphthalene	36		NA	
2-Methylnaphthalene	36		NA	
Acenaphthene	3400000	33000000	NA	
Acenaphthylene			NA	

Table 6A: Soil Sample Results Summary

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	SCDHEC RBSLs and EPA Regions IX RSLs (Residential)	EPA Regions IX RSLs (Industrial)	TRIP BLANK	
Lab Sample No.			9267829005	
Sampling Date			04/20/2010	
Matrix			Solid	
Dilution Factor			1	
Units	ug/kg (unless otherwise noted)		ug/kg	
Anthracene	17000000	170000000	NA	
Benzo(a)anthracene	66		NA	
Benzo(a)pyrene	15	210	NA	
Benzo(b)flouranthene	66		NA	
Benzo(g,h,i)perylene			NA	
Benzo(k)flouranthene	66		NA	
Chrysene	66		NA	
Dibenz(a,h)anthracene	66		NA	
Fluoranthene	2300000	22000000	NA	
Fluorene	2300000	22000000	NA	
Indeno(1,2,3-cd)pyrene	150	2100	NA	
Phenanthrene			NA	
Pyrene	1700000	17000000	NA	

NA: Not analyzed
SCDHEC RBSLs = South Carolina Department of Health & Environmental Cont
EPA Region IX RSLs = U.S. Environmental Protection Agency Region IX Regic
U = Not detected at or above the reporting limit (RL) indicated
J = Estimated value
Concentration exceeds either the SCDHEC RBSL or EPA Region IX RSL
Indicates SCDHEC RBSL
mg/kg = milligrams/kilogram
ug/kg - micrograms/kilogram

Table 6A: Soil Sample Results Summary

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	SCDHEC RBSLs and EPA Regions IX RSLs (Residential)	EPA Regions IX RSLs (Industrial)	B-29-1				
Lab Sample No.			9268051001				
Sampling Date			04/21/2010				
Matrix			Solid				
Dilution Factor			1				20
Units	ug/kg (unless otherwise noted)		mg/kg		ug/kg		mg/kg
1,1,1,2-Tetrachloroethane	1900	9300	NA		4.7	U	NA
1,1,1-Trichloroethane	8700000	38000000	NA		4.7	U	NA
1,1,2,2-Tetrachloroethane	560	2800	NA		4.7	U	NA
1,1,2-Trichloroethane	1100	5300	NA		4.7	U	NA
1,1-Dichloroethane	3300	17000	NA		4.7	U	NA
1,1-Dichloroethene	240000	1100000	NA		4.7	U	NA
1,1-Dichloropropene			NA		4.7	U	NA
1,2,3-Trichlorobenzene	49000	490000	NA		4.7	U	NA
1,2,3-Trichloropropane	5	95	NA		4.7	U	NA
1,2,4-Trichlorobenzene	22000	99000	NA		4.7	U	NA
1,2,4-Trimethylbenzene	62000	260000	NA		4.7	U	NA
1,2-Dibromo-3-chloropropane	5.4	69	NA		4.7	U	NA
1,2-Dibromoethane (EDB)	34	170	NA		4.7	U	NA
1,2-Dichlorobenzene	1900000	9800000	NA		4.7	U	NA
1,2-Dichloroethane	430	2200	NA		4.7	U	NA
1,2-Dichloropropane	890	4500	NA		4.7	U	NA
1,3,5-Trimethylbenzene	780000		NA		4.7	U	NA
1,3-Dichlorobenzene	2400	12000	NA		4.7	U	NA
1,3-Dichloropropane	1600000	20000000	NA		4.7	U	NA
1,4-Dichlorobenzene	2400	12000	NA		4.7	U	NA
2,2-Dichloropropane			NA		4.7	U	NA
2-Butanone (MEK)	28000000	200000000	NA		93.2	U	NA
2-Chlorotoluene			NA		4.7	U	NA
2-Hexanone	210000	1400000	NA		46.6	U	NA
4-Chlorotoluene			NA		4.7	U	NA
4-Methyl-2-pentanone (MIBK)	5300000	53000000	NA		46.6	U	NA
Acetone	61000000	630000000	NA		**16.2**	J	NA
Aluminum	77000 mg/kg	990000 mg/kg	NA		NA		**29000**
Antimony	31 mg/kg	410 mg/kg	**1.2**		NA		NA
Arsenic	0.39 mg/kg	1.6 mg/kg	**2.9**		NA		NA
Benzene	7		NA		4.7	U	NA
Beryllium	160 mg/kg	2000 mg/kg	**0.29**		NA		NA
Bromobenzene			NA		4.7	U	NA
Bromochloromethane			NA		4.7	U	NA
Bromodichloromethane	270	1400	NA		4.7	U	NA
Bromoform	61000	220000	NA		4.7	U	NA
Bromomethane	7300	32000	NA		9.3	U	NA
Cadmium	70 mg/kg	800 mg/kg	**1.4**		NA		NA
Calcium			825		NA		NA
Carbon tetrachloride	250	1200	NA		4.7	U	NA
Chlorobenzene	290000	1400000	NA		4.7	U	NA
Chloroethane			NA		9.3	U	NA
Chloroform	290	1500	NA		4.7	U	NA
Chloromethane	120000	500000	NA		9.3	U	NA
Chromium	0.29 mg/kg	5.6 mg/kg	**20.0**		NA		NA
Cobalt	23 mg/kg	300 mg/kg	0.53	U	NA		NA
Copper	3100 mg/kg	41000 mg/kg	**3.4**		NA		NA
Dibromochloromethane	680	3300	NA		4.7	U	NA
Dibromomethane	34	170	NA		4.7	U	NA
Dichlorodifluoromethane	180000	780000	NA		9.3	U	NA
Diesel Components			**6.5**		NA		NA
Diisopropyl ether	1400000	5800000	NA		4.7	U	NA
Ethylbenzene	1150		NA		4.7	U	NA
Hexachloro-1,3-butadiene	6200	22000	NA		4.7	U	NA
Iron	55000 mg/kg	720000 mg/kg	NA		NA		**40600**
Isopropylbenzene (Cumene)	2100000	11000000	NA		4.7	U	NA
Lead	400 mg/kg	800 mg/kg	**25.3**		NA		NA
Magnesium			**195**		NA		NA
Manganese	1800 mg/kg	23000 mg/kg	**63.0**		NA		NA
Mercury	5.6	34	**0.054**		NA		NA
Methyl-tert-butyl ether	43000	220000	NA		4.7	U	NA
Methylene Chloride	11000	53000	NA		18.6	U	NA
Naphthalene	36		NA		4.7	U	NA

Table 6A: Soil Sample Results Summary

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	SCDHEC RBSLs and EPA Regions IX RSLs (Residential)	EPA Regions IX RSLs (Industrial)	B-29-1					
Lab Sample No.			9268051001					
Sampling Date			04/21/2010					
Matrix			Solid					
Dilution Factor			1				20	
Units	ug/kg (unless otherwise noted)		mg/kg		ug/kg		mg/kg	
Nickel	1500 mg/kg	20000 mg/kg	**4.8**		NA		NA	
PCB-1016 (Aroclor 1016)	3900	21000	NA		8.7	U	NA	
PCB-1221 (Aroclor 1221)	140	540	NA		18.5	U	NA	
PCB-1232 (Aroclor 1232)	140	540	NA		18.5	U	NA	
PCB-1242 (Aroclor 1242)	220	740	NA		18.5	U	NA	
PCB-1248 (Aroclor 1248)	220	740	NA		18.5	U	NA	
PCB-1254 (Aroclor 1254)	220	740	NA		18.5	U	NA	
PCB-1260 (Aroclor 1260)	220	740	NA		7.4	U	NA	
Potassium			**393**	J	NA		NA	
Selenium	390 mg/kg	5100 mg/kg	1.1	U	NA		NA	
Silver	390 mg/kg	5100 mg/kg	0.53	U	NA		NA	
Sodium			**61.2**	J	NA		NA	
Styrene	6300000	36000000	NA		4.7	U	NA	
Tetrachloroethene	550	2600	NA		4.7	U	NA	
Thallium			**0.45**	J	NA		NA	
Toluene	1450		NA		4.7	U	NA	
Trichloroethene	2800	14000	NA		4.7	U	NA	
Trichlorofluoromethane	790000	3400000	NA		4.7	U	NA	
Vanadium	390 mg/kg	5200 mg/kg	**60.3**		NA		NA	
Vinyl acetate	970000	4100000	NA		46.6	U	NA	
Vinyl chloride	60	1700	NA		9.3	U	NA	
Xylene (Total)	14500		NA		9.3	U	NA	
Zinc	23000 mg/kg	310000 mg/kg	**11.3**		NA		NA	
cis-1,2-Dichloroethene	780000	10000000	NA		4.7	U	NA	
cis-1,3-Dichloropropene	1700	8100	NA		4.7	U	NA	
m&p-Xylene	34000	17000000	NA		9.3	U	NA	
n-Butylbenzene			NA		4.7	U	NA	
n-Propylbenzene			NA		4.7	U	NA	
o-Xylene	38000	19000000	NA		4.7	U	NA	
p-Isopropyltoluene			NA		4.7	U	NA	
sec-Butylbenzene			NA		4.7	U	NA	
tert-Butylbenzene			NA		4.7	U	NA	
trans-1,2-Dichloroethene	150000	690000	NA		4.7	U	NA	
trans-1,3-Dichloropropene	1700	8100	NA		4.7	U	NA	
1-Methylnaphthalene	36		NA		21	U	NA	
2-Methylnaphthalene	36		NA		21	U	NA	
Acenaphthene	3400000	33000000	NA		21	U	NA	
Acenaphthylene			NA		40	U	NA	
Anthracene	17000000	170000000	NA		**2.9**		NA	
Benzo(a)anthracene	66		NA		22	U	NA	
Benzo(a)pyrene	15	210	NA		**21**		NA	
Benzo(b)flouranthene	66		NA		35	U	NA	
Benzo(g,h,i)perylene			NA		**19**		NA	
Benzo(k)flouranthene	66		NA		18	U	NA	
Chrysene	66		NA		31	U	NA	
Dibenz(a,h)anthracene	66		NA		**1.2**	J	NA	
Fluoranthene	2300000	22000000	NA		**75**		NA	
Fluorene	2300000	22000000	NA		4.0	U	NA	
Indeno(1,2,3-cd)pyrene	150	2100	NA		**18**		NA	
Napththalene	36		NA		21	U	NA	
Phenanthrene			NA		**26**		NA	
Pyrene	1700000	17000000	NA		53	U	NA	
4,4'-DDD	2000	7200	NA		4.1	U	NA	
4,4'-DDE	1400	5100	NA		4.1	U	NA	
4,4'-DDT	1700	7000	NA		4.1	U	NA	
Aldrin	29	100	NA		2.0	U	NA	
alpha-BHC			NA		2.0	U	NA	
alpha-Chlordane	1600	6500	NA		2.0	U	NA	
beta-BHC			NA		2.0	U	NA	
delta-BHC			NA		2.0	U	NA	
Dieldrin	30	110	NA		4.1	U	NA	
Endosulfan I	370000	3700000	NA		2.0	U	NA	
Endosulfan II	370000	3700000	NA		4.1	U	NA	

Table 6A: Soil Sample Results Summary

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	SCDHEC RBSLs and EPA Regions IX RSLs (Residential)	EPA Regions IX RSLs (Industrial)	B-29-1					
Lab Sample No.			9268051001					
Sampling Date			04/21/2010					
Matrix			Solid					
Dilution Factor			1				20	
Units	ug/kg (unless otherwise noted)		mg/kg		ug/kg		mg/kg	
Endosulfan sulfate			NA		4.1	U	NA	
Endrin	18000	180000	NA		4.1	U	NA	
Endrin aldehyde			NA		4.1	U	NA	
Endrin ketone			NA		4.1	U	NA	
gamma-BHC			NA		4.1	U	NA	
gamma-Chlordane	1600	6500	NA		2.0	U	NA	
Heptachlor	110	380	NA		2.0	U	NA	
Heptachlor epoxide	53	190	NA		2.0	U	NA	
Methoxychlor	310000	3100000	NA		20	U	NA	
Toxaphene	440	1600	NA		200	U	NA	

NA: Not analyzed.
SCDHEC RBSLs = South Carolina Department of Health & Environmental Control Risk-Based Screening Levels
EPA Region IX RSLs = U.S. Environmental Protection Agency Region IX Regional Screening Levels
U = Not detected at or above the reporting limit (RL) indicated
J = Estimated value
Concentration exceeds either the SCDHEC RBSL or EPA Region IX RSL
Indicates SCDHEC RBSL
mg/kg = milligrams/kilogram
ug/kg - micrograms/kilogram

Table 6A: Soil Sample Results Summary

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	SCDHEC RBSLs and EPA Regions IX RSLs (Residential)	EPA Regions IX RSLs (Industrial)	D-1				20	
Lab Sample No.			9268051002					
Sampling Date			04/21/2010					
Matrix			Solid					
Dilution Factor			1					
Units	ug/kg (unless otherwise noted)		mg/kg		ug/kg		mg/kg	
1,1,1,2-Tetrachloroethane	1900	9300	NA		4.5	U	NA	
1,1,1-Trichloroethane	8700000	38000000	NA		4.5	U	NA	
1,1,2,2-Tetrachloroethane	560	2800	NA		4.5	U	NA	
1,1,2-Trichloroethane	1100	5300	NA		4.5	U	NA	
1,1-Dichloroethane	3300	17000	NA		4.5	U	NA	
1,1-Dichloroethene	240000	1100000	NA		4.5	U	NA	
1,1-Dichloropropene			NA		4.5	U	NA	
1,2,3-Trichlorobenzene	49000	490000	NA		4.5	U	NA	
1,2,3-Trichloropropane	5	95	NA		4.5	U	NA	
1,2,4-Trichlorobenzene	22000	99000	NA		4.5	U	NA	
1,2,4-Trimethylbenzene	62000	260000	NA		4.5	U	NA	
1,2-Dibromo-3-chloropropane	5.4	69	NA		4.5	U	NA	
1,2-Dibromoethane (EDB)	34	170	NA		4.5	U	NA	
1,2-Dichlorobenzene	1900000	9800000	NA		4.5	U	NA	
1,2-Dichloroethane	430	2200	NA		4.5	U	NA	
1,2-Dichloropropane	890	4500	NA		4.5	U	NA	
1,3,5-Trimethylbenzene	780000		NA		4.5	U	NA	
1,3-Dichlorobenzene	2400	12000	NA		4.5	U	NA	
1,3-Dichloropropane	1600000	20000000	NA		4.5	U	NA	
1,4-Dichlorobenzene	2400	12000	NA		4.5	U	NA	
2,2-Dichloropropane			NA		4.5	U	NA	
2-Butanone (MEK)	28000000	200000000	NA		90.1	U	NA	
2-Chlorotoluene			NA		4.5	U	NA	
2-Hexanone	210000	1400000	NA		45.0	U	NA	
4-Chlorotoluene			NA		4.5	U	NA	
4-Methyl-2-pentanone (MIBK)	5300000	53000000	NA		45.0	U	NA	
Acetone	61000000	630000000	NA		**19.1**	J	NA	
Aluminum	77000 mg/kg	990000 mg/kg	NA		NA		**28900**	
Antimony	31 mg/kg	410 mg/kg	**0.96**		NA		NA	
Arsenic	0.39 mg/kg	1.6 mg/kg	**3.0**		NA		NA	
Benzene	7		NA		4.5	U	NA	
Beryllium	160 mg/kg	2000 mg/kg	**0.30**		NA		NA	
Bromobenzene			NA		4.5	U	NA	
Bromochloromethane			NA		4.5	U	NA	
Bromodichloromethane	270	1400	NA		4.5	U	NA	
Bromoform	61000	220000	NA		4.5	U	NA	
Bromomethane	7300	32000	NA		9.0	U	NA	
Cadmium	70 mg/kg	800 mg/kg	**1.0**		NA		NA	
Calcium			**1040**		NA		NA	
Carbon tetrachloride	250	1200	NA		4.5	U	NA	
Chlorobenzene	290000	1400000	NA		4.5	U	NA	
Chloroethane			NA		9.0	U	NA	
Chloroform	290	1500	NA		4.5	U	NA	
Chloromethane	120000	500000	NA		9.0	U	NA	
Chromium	0.29 mg/kg	5.6 mg/kg	**20.6**		NA		NA	
Cobalt	23 mg/kg	300 mg/kg	0.55	U	NA		NA	
Copper	3100 mg/kg	41000 mg/kg	**3.6**		NA		NA	
Dibromochloromethane	680	3300	NA		4.5	U	NA	
Dibromomethane	34	170	NA		4.5	U	NA	
Dichlorodifluoromethane	180000	780000	NA		9.0	U	NA	
Diesel Components			5.9	U	NA		NA	
Diisopropyl ether	1400000	5800000	NA		4.5	U	NA	
Ethylbenzene	1150		NA		4.5	U	NA	
Hexachloro-1,3-butadiene	6200	22000	NA		4.5	U	NA	
Iron	55000 mg/kg	720000 mg/kg	NA		NA		**37600**	
Isopropylbenzene (Cumene)	2100000	11000000	NA		4.5	U	NA	
Lead	400 mg/kg	800 mg/kg	**23.5**		NA		NA	
Magnesium			**198**		NA		NA	
Manganese	1800 mg/kg	23000 mg/kg	**55.6**		NA		NA	
Mercury	5.6	34	**0.069**		NA		NA	
Methyl-tert-butyl ether	43000	220000	NA		4.5	U	NA	
Methylene Chloride	11000	53000	NA		18.0	U	NA	
Naphthalene	36		NA		4.5	U	NA	

Table 6A: Soil Sample Results Summary

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	SCDHEC RBSLs and EPA Regions IX RSLs (Residential)	EPA Regions IX RSLs (Industrial)	D-1				20	
Lab Sample No.			9268051002					
Sampling Date			04/21/2010					
Matrix			Solid					
Dilution Factor			1					
Units	ug/kg (unless otherwise noted)		mg/kg		ug/kg		mg/kg	
Nickel	1500 mg/kg	20000 mg/kg	4.8		NA		NA	
PCB-1016 (Aroclor 1016)	3900	21000	NA		8.2	U	NA	
PCB-1221 (Aroclor 1221)	140	540	NA		17.7	U	NA	
PCB-1232 (Aroclor 1232)	140	540	NA		17.7	U	NA	
PCB-1242 (Aroclor 1242)	220	740	NA		17.7	U	NA	
PCB-1248 (Aroclor 1248)	220	740	NA		17.7	U	NA	
PCB-1254 (Aroclor 1254)	220	740	NA		17.7	U	NA	
PCB-1260 (Aroclor 1260)	220	740	NA		**55.4**		NA	
Potassium			**381**	J	NA		NA	
Selenium	390 mg/kg	5100 mg/kg	**0.53**	J	NA		NA	
Silver	390 mg/kg	5100 mg/kg	0.55	U	NA		NA	
Sodium			**72.7**	J	NA		NA	
Styrene	6300000	36000000	NA		4.5	U	NA	
Tetrachloroethene	550	2600	NA		4.5	U	NA	
Thallium			**0.39**	J	NA		NA	
Toluene	1450		NA		4.5	U	NA	
Trichloroethene	2800	14000	NA		4.5	U	NA	
Trichlorofluoromethane	790000	3400000	NA		4.5	U	NA	
Vanadium	390 mg/kg	5200 mg/kg	**58.8**		NA		NA	
Vinyl acetate	970000	4100000	NA		45.0	U	NA	
Vinyl chloride	60	1700	NA		9.0	U	NA	
Xylene (Total)	14500		NA		9.0	U	NA	
Zinc	23000 mg/kg	310000 mg/kg	**10.9**		NA		NA	
cis-1,2-Dichloroethene	780000	10000000	NA		4.5	U	NA	
cis-1,3-Dichloropropene	1700	8100	NA		4.5	U	NA	
m&p-Xylene	34000	17000000	NA		9.0	U	NA	
n-Butylbenzene			NA		4.5	U	NA	
n-Propylbenzene			NA		4.5	U	NA	
o-Xylene	38000	19000000	NA		4.5	U	NA	
p-Isopropyltoluene			NA		4.5	U	NA	
sec-Butylbenzene			NA		4.5	U	NA	
tert-Butylbenzene			NA		4.5	U	NA	
trans-1,2-Dichloroethene	150000	690000	NA		4.5	U	NA	
trans-1,3-Dichloropropene	1700	8100	NA		4.5	U	NA	
1-Methylnaphthalene	36		NA		21	U	NA	
2-Methylnaphthalene	36		NA		21	U	NA	
Acenaphthene	3400000	33000000	NA		21	U	NA	
Acenaphthylene			NA		41	U	NA	
Anthracene	17000000	170000000	NA		**4.5**		NA	
Benzo(a)anthracene	66		NA		**35**		NA	
Benzo(a)pyrene	15	210	NA		**35**		NA	
Benzo(b)flouranthene	66		NA		**70**		NA	
Benzo(g,h,i)perylene			NA		**32**		NA	
Benzo(k)flouranthene	66		NA		**18**		NA	
Chrysene	66		NA		**51**		NA	
Dibenz(a,h)anthracene	66		NA		**2.1**	J	NA	
Fluoranthene	2300000	22000000	NA		**120**		NA	
Fluorene	2300000	22000000	NA		**2.5**	J	NA	
Indeno(1,2,3-cd)pyrene	150	2100	NA		**29**		NA	
Napththalene	36		NA		21	U	NA	
Phenanthrene			NA		**39**		NA	
Pyrene	1700000	17000000	NA		**83**		NA	
4,4'-DDD	2000	7200	NA		4.1	U	NA	
4,4'-DDE	1400	5100	NA		4.1	U	NA	
4,4'-DDT	1700	7000	NA		4.1	U	NA	
Aldrin	29	100	NA		2.1	U	NA	
alpha-BHC			NA		2.1	U	NA	
alpha-Chlordane	1600	6500	NA		2.1	U	NA	
beta-BHC			NA		2.1	U	NA	
delta-BHC			NA		2.1	U	NA	
Dieldrin	30	110	NA		4.1	U	NA	
Endosulfan I	370000	3700000	NA		2.1	U	NA	
Endosulfan II	370000	3700000	NA		4.1	U	NA	

Table 6A: Soil Sample Results Summary

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	SCDHEC RBSLs and EPA Regions IX RSLs (Residential)	EPA Regions IX RSLs (Industrial)	D-1				20	
Lab Sample No.			9268051002					
Sampling Date			04/21/2010					
Matrix			Solid					
Dilution Factor			1					
Units	ug/kg (unless otherwise noted)		mg/kg		ug/kg		mg/kg	
Endosulfan sulfate			NA		4.1	U	NA	
Endrin	18000	180000	NA		4.1	U	NA	
Endrin aldehyde			NA		4.1	U	NA	
Endrin ketone			NA		4.1	U	NA	
gamma-BHC			NA		4.1	U	NA	
gamma-Chlordane	1600	6500	NA		2.1	U	NA	
Heptachlor	110	380	NA		2.1	U	NA	
Heptachlor epoxide	53	190	NA		2.1	U	NA	
Methoxychlor	310000	3100000	NA		21	U	NA	
Toxaphene	440	1600	NA		210	U	NA	

NA: Not analyzed.
SCDHEC RBSLs = South Carolina Department of Health & Environmental Con
EPA Region IX RSLs = U.S. Environmental Protection Agency Region IX Regi
U = Not detected at or above the reporting limit (RL) indicated
J = Estimated value
Concentration exceeds either the SCDHEC RBSL or EPA Region IX RSL
Indicates SCDHEC RBSL
mg/kg = milligrams/kilogram
ug/kg - micrograms/kilogram

Table 6A: Soil Sample Results Summary

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	SCDHEC RBSLs and EPA Regions IX RSLs (Residential)	EPA Regions IX RSLs (Industrial)	B-29-2				B-29-2
Lab Sample No.			9268051003				9268051003
Sampling Date			04/21/2010				04/21/2010
Matrix			Solid				Solid
Dilution Factor			1				20
Units	ug/kg (unless otherwise noted)		mg/kg		ug/kg		mg/kg
1,1,1,2-Tetrachloroethane	1900	9300	NA		5.6	U	NA
1,1,1-Trichloroethane	8700000	38000000	NA		5.6	U	NA
1,1,2,2-Tetrachloroethane	560	2800	NA		5.6	U	NA
1,1,2-Trichloroethane	1100	5300	NA		5.6	U	NA
1,1-Dichloroethane	3300	17000	NA		5.6	U	NA
1,1-Dichloroethene	240000	1100000	NA		5.6	U	NA
1,1-Dichloropropene			NA		5.6	U	NA
1,2,3-Trichlorobenzene	49000	490000	NA		5.6	U	NA
1,2,3-Trichloropropane	5	95	NA		5.6	U	NA
1,2,4-Trichlorobenzene	22000	99000	NA		5.6	U	NA
1,2,4-Trimethylbenzene	62000	260000	NA		5.6	U	NA
1,2-Dibromo-3-chloropropane	5.4	69	NA		5.6	U	NA
1,2-Dibromoethane (EDB)	34	170	NA		5.6	U	NA
1,2-Dichlorobenzene	1900000	9800000	NA		5.6	U	NA
1,2-Dichloroethane	430	2200	NA		5.6	U	NA
1,2-Dichloropropane	890	4500	NA		5.6	U	NA
1,3,5-Trimethylbenzene	780000		NA		5.6	U	NA
1,3-Dichlorobenzene	2400	12000	NA		5.6	U	NA
1,3-Dichloropropane	1600000	20000000	NA		5.6	U	NA
1,4-Dichlorobenzene	2400	12000	NA		5.6	U	NA
2,2-Dichloropropane			NA		5.6	U	NA
2-Butanone (MEK)	28000000	200000000	NA		112	U	NA
2-Chlorotoluene			NA		5.6	U	NA
2-Hexanone	210000	1400000	NA		56.2	U	NA
4-Chlorotoluene			NA		5.6	U	NA
4-Methyl-2-pentanone (MIBK)	5300000	53000000	NA		56.2	U	NA
Acetone	61000000	630000000	NA		112	U	NA
Aluminum	77000 mg/kg	990000 mg/kg	NA		NA		**17000**
Antimony	31 mg/kg	410 mg/kg	**0.59**		NA		NA
Arsenic	0.39 mg/kg	1.6 mg/kg	**0.94**		NA		NA
Benzene	7		NA		5.6	U	NA
Beryllium	160 mg/kg	2000 mg/kg	**0.42**		NA		NA
Bromobenzene			NA		5.6	U	NA
Bromochloromethane			NA		5.6	U	NA
Bromodichloromethane	270	1400	NA		5.6	U	NA
Bromoform	61000	220000	NA		5.6	U	NA
Bromomethane	7300	32000	NA		11.2	U	NA
Cadmium	70 mg/kg	800 mg/kg	**0.18**		NA		NA
Calcium			**277**		NA		NA
Carbon tetrachloride	250	1200	NA		5.6	U	NA
Chlorobenzene	290000	1400000	NA		5.6	U	NA
Chloroethane			NA		11.2	U	NA
Chloroform	290	1500	NA		5.6	U	NA
Chloromethane	120000	500000	NA		11.2	U	NA
Chromium	0.29 mg/kg	5.6 mg/kg	**14.2**		NA		NA
Cobalt	23 mg/kg	300 mg/kg	**1.0**		NA		NA
Copper	3100 mg/kg	41000 mg/kg	**3.0**		NA		NA
Dibromochloromethane	680	3300	NA		5.6	U	NA
Dibromomethane	34	170	NA		5.6	U	NA
Dichlorodifluoromethane	180000	780000	NA		11.2	U	NA
Diesel Components			5.2	U	NA		NA
Diisopropyl ether	1400000	5800000	NA		5.6	U	NA
Ethylbenzene	1150		NA		5.6	U	NA
Hexachloro-1,3-butadiene	6200	22000	NA		5.6	U	NA
Iron	55000 mg/kg	720000 mg/kg	NA		NA		**19000**
Isopropylbenzene (Cumene)	2100000	11000000	NA		5.6	U	NA
Lead	400 mg/kg	800 mg/kg	**8.2**		NA		NA
Magnesium			**1800**		NA		NA
Manganese	1800 mg/kg	23000 mg/kg	**166**		NA		NA
Mercury	5.6	34	**0.014**		NA		NA
Methyl-tert-butyl ether	43000	220000	NA		5.6	U	NA
Methylene Chloride	11000	53000	NA		22.5	U	NA
Naphthalene	36		NA		5.6	U	NA

Table 6A: Soil Sample Results Summary

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	SCDHEC RBSLs and EPA Regions IX RSLs (Residential)	EPA Regions IX RSLs (Industrial)	B-29-2					
Lab Sample No.			9268051003					
Sampling Date			04/21/2010					
Matrix			Solid					
Dilution Factor			1					20
Units	ug/kg (unless otherwise noted)		mg/kg		ug/kg			mg/kg
Nickel	1500 mg/kg	20000 mg/kg	**4.6**		NA			NA
PCB-1016 (Aroclor 1016)	3900	21000	NA		7.3	U		NA
PCB-1221 (Aroclor 1221)	140	540	NA		15.7	U		NA
PCB-1232 (Aroclor 1232)	140	540	NA		15.7	U		NA
PCB-1242 (Aroclor 1242)	220	740	NA		15.7	U		NA
PCB-1248 (Aroclor 1248)	220	740	NA		15.7	U		NA
PCB-1254 (Aroclor 1254)	220	740	NA		15.7	U		NA
PCB-1260 (Aroclor 1260)	220	740	NA		6.3	U		NA
Potassium			**3750**		NA			NA
Selenium	390 mg/kg	5100 mg/kg	**0.43**	J	NA			NA
Silver	390 mg/kg	5100 mg/kg	0.46	U	NA			NA
Sodium			**179**	J	NA			NA
Styrene	6300000	36000000	NA		5.6	U		NA
Tetrachloroethene	550	2600	NA		5.6	U		NA
Thallium			**0.82**	J	NA			NA
Toluene	1450		NA		5.6	U		NA
Trichloroethene	2800	14000	NA		5.6	U		NA
Trichlorofluoromethane	790000	3400000	NA		5.6	U		NA
Vanadium	390 mg/kg	5200 mg/kg	**22.0**		NA			NA
Vinyl acetate	970000	4100000	NA		56.2	U		NA
Vinyl chloride	60	1700	NA		11.2	U		NA
Xylene (Total)	14500		NA		11.2	U		NA
Zinc	23000 mg/kg	310000 mg/kg	**35.2**		NA			NA
cis-1,2-Dichloroethene	780000	10000000	NA		5.6	U		NA
cis-1,3-Dichloropropene	1700	8100	NA		5.6	U		NA
m&p-Xylene	34000	17000000	NA		11.2	U		NA
n-Butylbenzene			NA		5.6	U		NA
n-Propylbenzene			NA		5.6	U		NA
o-Xylene	38000	19000000	NA		5.6	U		NA
p-Isopropyltoluene			NA		5.6	U		NA
sec-Butylbenzene			NA		5.6	U		NA
tert-Butylbenzene			NA		5.6	U		NA
trans-1,2-Dichloroethene	150000	690000	NA		5.6	U		NA
trans-1,3-Dichloropropene	1700	8100	NA		5.6	U		NA
1-Methylnaphthalene	36		NA		21	U		NA
2-Methylnaphthalene	36		NA		21	U		NA
Acenaphthene	3400000	33000000	NA		21	U		NA
Acenaphthylene			NA		40	U		NA
Anthracene	17000000	170000000	NA		2.1	U		NA
Benzo(a)anthracene	66		NA		**.81**	J		NA
Benzo(a)pyrene	15	210	NA		**.81**	J		NA
Benzo(b)flouranthene	66		NA		**1.6**	J		NA
Benzo(g,h,i)perylene			NA		**1.6**	J		NA
Benzo(k)flouranthene	66		NA		**.81**	J		NA
Chrysene	66		NA		**1.2**	J		NA
Dibenz(a,h)anthracene	66		NA		4.0	U		NA
Fluoranthene	2300000	22000000	NA		**2.4**	J		NA
Fluorene	2300000	22000000	NA		4.0	U		NA
Indeno(1,2,3-cd)pyrene	150	2100	NA		**1.2**	J		NA
Napththalene	36		NA		21	U		NA
Phenanthrene			NA		**1.2**	J		NA
Pyrene	1700000	17000000	NA		**1.6**	J		NA
4,4'-DDD	2000	7200	NA		4.1	U		NA
4,4'-DDE	1400	5100	NA		4.1	U		NA
4,4'-DDT	1700	7000	NA		4.1	U		NA
Aldrin	29	100	NA		2.0	U		NA
alpha-BHC			NA		2.0	U		NA
alpha-Chlordane	1600	6500	NA		2.0	U		NA
beta-BHC			NA		2.0	U		NA
delta-BHC			NA		2.0	U		NA
Dieldrin	30	110	NA		4.1	U		NA
Endosulfan I	370000	3700000	NA		2.0	U		NA
Endosulfan II	370000	3700000	NA		4.1	U		NA

Table 6A: Soil Sample Results Summary

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	SCDHEC RBSLs and EPA Regions IX RSLs (Residential)	EPA Regions IX RSLs (Industrial)	B-29-2				20	
Lab Sample No.			9268051003					
Sampling Date			04/21/2010					
Matrix			Solid					
Dilution Factor			1					
Units	ug/kg (unless otherwise noted)		mg/kg		ug/kg		mg/kg	
Endosulfan sulfate			NA		4.1	U	NA	
Endrin	18000	180000	NA		4.1	U	NA	
Endrin aldehyde			NA		4.1	U	NA	
Endrin ketone			NA		4.1	U	NA	
gamma-BHC			NA		4.1	U	NA	
gamma-Chlordane	1600	6500	NA		2.0	U	NA	
Heptachlor	110	380	NA		2.0	U	NA	
Heptachlor epoxide	53	190	NA		2.0	U	NA	
Methoxychlor	310000	3100000	NA		20	U	NA	
Toxaphene	440	1600	NA		200	U	NA	

NA: Not analyzed.
SCDHEC RBSLs = South Carolina Department of Health & Environmental Cor
EPA Region IX RSLs = U.S. Environmental Protection Agency Region IX Regi
U = Not detected at or above the reporting limit (RL) indicated
J = Estimated value
Concentration exceeds either the SCDHEC RBSL or EPA Region IX RSL
Indicates SCDHEC RBSL
mg/kg = milligrams/kilogram
ug/kg - micrograms/kilogram

Table 6B: Groundwater Sample Results Summary

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	TW-1		TW-2		TW-3		
Lab Sample No.	9268081001		9268081002		9268081003		
Sampling Date	04/22/2010		04/22/2010		04/22/2010		
Matrix	Water		Water		Water		
Dilution Factor	1		1		1		5
Units	ug/L		ug/L		ug/L		ug/L
1,1,1,2-Tetrachloroethane	1.0	U	1.0	U	1.0	U	NA
1,1,1-Trichloroethane	1.0	U	1.0	U	1.0	U	NA
1,1,2,2-Tetrachloroethane	1.0	U	1.0	U	1.0	U	NA
1,1,2-Trichloroethane	1.0	U	1.0	U	1.0	U	NA
1,1-Dichloroethane	1.0	U	1.0	U	1.0	U	NA
1,1-Dichloroethene	1.0	U	1.0	U	1.0	U	NA
1,1-Dichloropropene	1.0	U	1.0	U	1.0	U	NA
1,2,3-Trichlorobenzene	1.0	U	1.0	U	1.0	U	NA
1,2,3-Trichloropropane	1.0	U	1.0	U	1.0	U	NA
1,2,4-Trichlorobenzene	1.0	U	1.0	U	1.0	U	NA
1,2-Dibromo-3-chloropropane	3.0	U	3.0	U	3.0	U	NA
1,2-Dibromoethane (EDB)	1.0	U	1.0	U	1.0	U	NA
1,2-Dichlorobenzene	1.0	U	1.0	U	1.0	U	NA
1,2-Dichloroethane	1.0	U	1.0	U	1.0	U	NA
1,2-Dichloropropane	1.0	U	1.0	U	1.0	U	NA
1,3-Dichlorobenzene	1.0	U	1.0	U	1.0	U	NA
1,3-Dichloropropane	1.0	U	1.0	U	1.0	U	NA
1,4-Dichlorobenzene	1.0	U	1.0	U	1.0	U	NA
2,2-Dichloropropane	1.0	U	1.0	U	1.0	U	NA
2-Butanone (MEK)	5.0	U	5.0	U	5.0	U	NA
2-Chlorotoluene	1.0	U	1.0	U	1.0	U	NA
2-Hexanone	5.0	U	5.0	U	5.0	U	NA
4-Chlorotoluene	1.0	U	1.0	U	1.0	U	NA
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	U	5.0	U	NA
Acetone	25.0	U	25.0	U	25.0	U	NA
Benzene	1.0	U	1.0	U	1.0	U	NA
Bromobenzene	1.0	U	1.0	U	1.0	U	NA
Bromochloromethane	1.0	U	1.0	U	1.0	U	NA
Bromodichloromethane	1.0	U	1.0	U	1.0	U	NA
Bromoform	1.0	U	1.0	U	1.0	U	NA
Bromomethane	5.0	U	5.0	U	5.0	U	NA
Carbon tetrachloride	1.0	U	1.0	U	1.0	U	NA
Chlorobenzene	1.0	U	1.0	U	1.0	U	NA
Chloroethane	1.0	U	1.0	U	1.0	U	NA
Chloroform	**1.1**		**0.42**	**J**	**0.58**	**J**	NA
Chloromethane	1.0	U	1.0	U	1.0	U	NA
Dibromochloromethane	1.0	U	1.0	U	1.0	U	NA
Dibromomethane	1.0	U	1.0	U	1.0	U	NA
Dichlorodifluoromethane	1.0	U	1.0	U	1.0	U	NA
Diisopropyl ether	1.0	U	1.0	U	1.0	U	NA
Ethylbenzene	1.0	U	1.0	U	1.0	U	NA
Hexachloro-1,3-butadiene	1.0	U	1.0	U	1.0	U	NA
Lead	**7.3**		**9.5**		NA		**163**
Methyl-tert-butyl ether	1.0	U	1.0	U	1.0	U	NA
Methylene Chloride	2.0	U	2.0	U	2.0	U	NA
Naphthalene	1.0	U	1.0	U	1.0	U	NA
Styrene	1.0	U	1.0	U	1.0	U	NA
Tetrachloroethene	1.0	U	1.0	U	1.0	U	NA
Toluene	1.0	U	1.0	U	1.0	U	NA
Trichloroethene	1.0	U	1.0	U	1.0	U	NA
Trichlorofluoromethane	1.0	U	1.0	U	1.0	U	NA
Vinyl acetate	2.0	U	2.0	U	2.0	U	NA
Vinyl chloride	1.0	U	1.0	U	1.0	U	NA
cis-1,2-Dichloroethene	1.0	U	1.0	U	1.0	U	NA
cis-1,3-Dichloropropene	1.0	U	1.0	U	1.0	U	NA
m&p-Xylene	2.0	U	2.0	U	2.0	U	NA
o-Xylene	1.0	U	1.0	U	1.0	U	NA
p-Isopropyltoluene	1.0	U	1.0	U	1.0	U	NA
trans-1,2-Dichloroethene	1.0	U	1.0	U	1.0	U	NA
trans-1,3-Dichloropropene	1.0	U	1.0	U	1.0	U	NA
1-Methylnaphthalene	0.5	U	0.5	U	0.5	U	NA
2-Methylnaphthalene	0.5	U	0.5	U	0.5	U	NA
Acenaphthene	0.5	U	0.5	U	0.5	U	NA
Acenaphthylene	1.0	U	1.0	U	1.0	U	NA

Table 6B: Groundwater Sample Results Summary

Phase II ESA, Leatherwood Site, Greenville, SC

Sample ID	TW-1		TW-2		TW-3		
Lab Sample No.	9268081001		9268081002		9268081003		
Sampling Date	04/22/2010		04/22/2010		04/22/2010		
Matrix	Water		Water		Water		
Dilution Factor	1		1		1		5
Units	ug/L		ug/L		ug/L		ug/L
Anthracene	0.05	U	0.05	U	0.05	U	NA
Benzo(a)anthracene	0.05	U	0.05	U	0.05	U	NA
Benzo(a)pyrene	0.05	U	0.05	U	0.05	U	NA
Benzo(b)flouranthene	0.1	U	0.1	U	0.1	U	NA
Benzo(g,h,i)perylene	0.1	U	0.1	U	0.1	U	NA
Benzo(k)flouranthene	0.05	U	0.05	U	0.05	U	NA
Chrysene	0.05	U	0.05	U	0.05	U	NA
Dibenz(a,h)anthracene	0.1	U	0.1	U	0.1	U	NA
Fluoranthene	**0.02**	J	**0.02**	J	0.1	U	NA
Fluorene	0.1	U	0.1	U	0.1	U	NA
Indeno(1,2,3-cd)pyrene	0.05	U	0.05	U	0.05	U	NA
Napththalene	0.5	U	0.05	U	0.5	U	NA
Phenanthrene	0.05	U	0.05	U	0.05	U	NA
Pyrene	0.05	U	0.05	U	0.05	U	NA

U = Not detected at or above the reporting limit (RL) indicated

J = Estimated value

Concentration exceeds either the SCDHEC RBSL or EPA Region IX RSL

mg/kg = milligrams/kilogram

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May 14, 2010

Mr. Tom Varner
Potomac-Hudson Eng.
1161 Broad St.
Suite 318
Shrewsbury, NJ 07702

RE: Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Dear Mr. Varner:
Enclosed are the analytical results for sample(s) received by the laboratory on April 21, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Herring for
Brandon Helton
brandon.helton@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Charlotte Certification IDs
9800 Kincey Ave. - Ste 100 Huntersville, NC 28078
West Virginia Certification #: 357
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Tennessee Certification #: 04010
Virginia Certification #: 00213

Asheville Certification IDs
2225 Riverside Dr. Asheville, NC 28804
Connecticut Certification #: PH-0106
Louisiana/LELAP Certification #: 03095
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
Pennsylvania Certification #: 68-03578
South Carolina Bioassay Certification #: 9903002
South Carolina Certification #: 9903001
Tennessee Certification #: 2980
Virginia Certification #: 00072
West Virginia Certification #: 356
Florida/NELAP Certification #: E87648

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SAMPLE SUMMARY

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9267829001	**B-4-1**	Solid	04/20/10 10:10	04/21/10 14:44
9267829002	**B-5-1**	Solid	04/20/10 10:35	04/21/10 14:44
9267829003	**B-13-1**	Solid	04/20/10 13:15	04/21/10 14:44
9267829004	**B-18-1**	Solid	04/20/10 15:20	04/21/10 14:44
9267829005	**TRIP BLANK**	Solid	04/20/10 17:20	04/21/10 14:44

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SAMPLE ANALYTE COUNT

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9267829001	**B-4-1**	EPA 8015 Modified	RES	2	PASI-C
		EPA 6010	JMW	1	PASI-A
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9267829002	**B-5-1**	EPA 8015 Modified	RES	2	PASI-C
		EPA 6010	JMW	1	PASI-A
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9267829003	**B-13-1**	EPA 8015 Modified	RES	2	PASI-C
		EPA 6010	JMW	1	PASI-A
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9267829004	**B-18-1**	EPA 8015 Modified	RES	2	PASI-C
		EPA 6010	JMW	1	PASI-A
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9267829005	**TRIP BLANK**	EPA 8260	DLK	71	PASI-C

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PROJECT NARRATIVE

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Method: **EPA 8015 Modified**
Description: 8015 GCS THC-Diesel
Client: Potomac-Hudson Eng.
Date: May 14, 2010

General Information:
4 samples were analyzed for EPA 8015 Modified. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Method: **EPA 6010**
Description: 6010 MET ICP
Client: Potomac-Hudson Eng.
Date: May 14, 2010

General Information:
4 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/6250

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 9267829001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 436513)
  - Aluminum
  - Antimony
  - Calcium
  - Cobalt
  - Iron
  - Lead
  - Magnesium
  - Manganese
  - Potassium
  - Vanadium
  - Zinc

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Method: **EPA 8260**
Description: 8260/5035A SC Volatile Org
Client: Potomac-Hudson Eng.
Date: May 14, 2010

General Information:
5 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/10700

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 432289)
  - Vinyl acetate

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/10700

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 9267867001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 432755)
  - 1,1,1,2-Tetrachloroethane
  - 1,1,1-Trichloroethane
  - 1,1,2,2-Tetrachloroethane
  - 1,1,2-Trichloroethane
  - 1,1-Dichloroethane
  - 1,1-Dichloroethene
  - 1,1-Dichloropropene
  - 1,2,3-Trichlorobenzene

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PROJECT NARRATIVE

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Method: **EPA 8260**
Description: 8260/5035A SC Volatile Org
Client: Potomac-Hudson Eng.
Date: May 14, 2010

QC Batch: MSV/10700

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 9267867001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- 1,2,3-Trichloropropane
- 1,2,4-Trichlorobenzene
- 1,2,4-Trimethylbenzene
- 1,2-Dibromo-3-chloropropane
- 1,2-Dibromoethane (EDB)
- 1,2-Dichlorobenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,3,5-Trimethylbenzene
- 1,3-Dichlorobenzene
- 1,3-Dichloropropane
- 1,4-Dichlorobenzene
- 2,2-Dichloropropane
- 2-Chlorotoluene
- 4-Chlorotoluene
- 4-Methyl-2-pentanone (MIBK)
- Acetone
- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- Bromomethane
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- Dibromochloromethane
- Dibromomethane
- Diisopropyl ether
- Ethylbenzene
- Hexachloro-1,3-butadiene
- Isopropylbenzene (Cumene)
- Methyl-tert-butyl ether
- Methylene Chloride
- Styrene
- Tetrachloroethene
- Toluene
- Trichloroethene
- Vinyl acetate
- cis-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- m&p-Xylene
- n-Butylbenzene

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PROJECT NARRATIVE

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Method: **EPA 8260**
Description: 8260/5035A SC Volatile Org
Client: Potomac-Hudson Eng.
Date: May 14, 2010

QC Batch: MSV/10700

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 9267867001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- o-Xylene
- p-Isopropyltoluene
- sec-Butylbenzene
- tert-Butylbenzene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: MSV/10700

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- B-4-1 (Lab ID: 9267829001)
  - Dichlorodifluoromethane

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Sample: B-4-1 **Lab ID: 9267829001** Collected: 04/20/10 10:10 Received: 04/21/10 14:44 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	**16.5**	mg/kg	5.8	3.6	1	04/27/10 13:00	04/28/10 19:09	68334-30-5	
n-Pentacosane (S)	79	%	50-135		1	04/27/10 13:00	04/28/10 19:09	629-99-2	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**66.3**	mg/kg	0.53	0.51	1	05/03/10 15:10	05/04/10 13:21	7439-92-1	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	4240	424	50		04/22/10 19:20	67-64-1	
Benzene	ND	ug/kg	212	67.8	50		04/22/10 19:20	71-43-2	
Bromobenzene	ND	ug/kg	212	84.8	50		04/22/10 19:20	108-86-1	
Bromochloromethane	ND	ug/kg	212	72.1	50		04/22/10 19:20	74-97-5	
Bromodichloromethane	ND	ug/kg	212	80.6	50		04/22/10 19:20	75-27-4	
Bromoform	ND	ug/kg	212	97.5	50		04/22/10 19:20	75-25-2	
Bromomethane	ND	ug/kg	424	106	50		04/22/10 19:20	74-83-9	
2-Butanone (MEK)	ND	ug/kg	4240	123	50		04/22/10 19:20	78-93-3	
n-Butylbenzene	ND	ug/kg	212	76.3	50		04/22/10 19:20	104-51-8	
sec-Butylbenzene	ND	ug/kg	212	67.8	50		04/22/10 19:20	135-98-8	
tert-Butylbenzene	ND	ug/kg	212	84.8	50		04/22/10 19:20	98-06-6	
Carbon tetrachloride	ND	ug/kg	212	110	50		04/22/10 19:20	56-23-5	
Chlorobenzene	ND	ug/kg	212	80.6	50		04/22/10 19:20	108-90-7	
Chloroethane	ND	ug/kg	424	102	50		04/22/10 19:20	75-00-3	
Chloroform	ND	ug/kg	212	67.8	50		04/22/10 19:20	67-66-3	
Chloromethane	ND	ug/kg	424	102	50		04/22/10 19:20	74-87-3	
2-Chlorotoluene	ND	ug/kg	212	72.1	50		04/22/10 19:20	95-49-8	
4-Chlorotoluene	ND	ug/kg	212	76.3	50		04/22/10 19:20	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	212	153	50		04/22/10 19:20	96-12-8	
Dibromochloromethane	ND	ug/kg	212	76.3	50		04/22/10 19:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	212	76.3	50		04/22/10 19:20	106-93-4	
Dibromomethane	ND	ug/kg	212	106	50		04/22/10 19:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	212	80.6	50		04/22/10 19:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	212	84.8	50		04/22/10 19:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	212	72.1	50		04/22/10 19:20	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	424	153	50		04/22/10 19:20	75-71-8	D3
1,1-Dichloroethane	ND	ug/kg	212	63.6	50		04/22/10 19:20	75-34-3	
1,2-Dichloroethane	ND	ug/kg	212	93.3	50		04/22/10 19:20	107-06-2	
1,1-Dichloroethene	ND	ug/kg	212	76.3	50		04/22/10 19:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	212	59.4	50		04/22/10 19:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	212	80.6	50		04/22/10 19:20	156-60-5	
1,2-Dichloropropane	ND	ug/kg	212	72.1	50		04/22/10 19:20	78-87-5	
1,3-Dichloropropane	ND	ug/kg	212	80.6	50		04/22/10 19:20	142-28-9	
2,2-Dichloropropane	ND	ug/kg	212	72.1	50		04/22/10 19:20	594-20-7	
1,1-Dichloropropene	ND	ug/kg	212	63.6	50		04/22/10 19:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	212	76.3	50		04/22/10 19:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	212	63.6	50		04/22/10 19:20	10061-02-6	
Diisopropyl ether	ND	ug/kg	212	72.1	50		04/22/10 19:20	108-20-3	

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Sample: B-4-1 **Lab ID: 9267829001** Collected: 04/20/10 10:10 Received: 04/21/10 14:44 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
Ethylbenzene	ND	ug/kg	212	76.3	50		04/22/10 19:20	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	212	84.8	50		04/22/10 19:20	87-68-3	
2-Hexanone	ND	ug/kg	2120	165	50		04/22/10 19:20	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	212	80.6	50		04/22/10 19:20	98-82-8	
p-Isopropyltoluene	ND	ug/kg	212	72.1	50		04/22/10 19:20	99-87-6	
Methylene Chloride	ND	ug/kg	848	127	50		04/22/10 19:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	2120	157	50		04/22/10 19:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	212	63.6	50		04/22/10 19:20	1634-04-4	
Naphthalene	**141J**	ug/kg	212	50.9	50		04/22/10 19:20	91-20-3	
n-Propylbenzene	ND	ug/kg	212	72.1	50		04/22/10 19:20	103-65-1	
Styrene	ND	ug/kg	212	76.3	50		04/22/10 19:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	212	89.0	50		04/22/10 19:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	212	80.6	50		04/22/10 19:20	79-34-5	
Tetrachloroethene	ND	ug/kg	212	72.1	50		04/22/10 19:20	127-18-4	
Toluene	ND	ug/kg	212	76.3	50		04/22/10 19:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	212	93.3	50		04/22/10 19:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	212	67.8	50		04/22/10 19:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	212	76.3	50		04/22/10 19:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	212	89.0	50		04/22/10 19:20	79-00-5	
Trichloroethene	ND	ug/kg	212	89.0	50		04/22/10 19:20	79-01-6	
Trichlorofluoromethane	ND	ug/kg	212	93.3	50		04/22/10 19:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	212	67.8	50		04/22/10 19:20	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	212	84.8	50		04/22/10 19:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	212	76.3	50		04/22/10 19:20	108-67-8	
Vinyl acetate	ND	ug/kg	2120	373	50		04/22/10 19:20	108-05-4	
Vinyl chloride	ND	ug/kg	424	76.3	50		04/22/10 19:20	75-01-4	
Xylene (Total)	ND	ug/kg	424	153	50		04/22/10 19:20	1330-20-7	
m&p-Xylene	ND	ug/kg	424	153	50		04/22/10 19:20	179601-23-1	
o-Xylene	ND	ug/kg	212	80.6	50		04/22/10 19:20	95-47-6	
Dibromofluoromethane (S)	102	%	70-130		50		04/22/10 19:20	1868-53-7	
Toluene-d8 (S)	101	%	70-130		50		04/22/10 19:20	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		50		04/22/10 19:20	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		50		04/22/10 19:20	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.2**	%	0.10	0.10	1		04/26/10 09:14		

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Sample: B-5-1 **Lab ID: 9267829002** Collected: 04/20/10 10:35 Received: 04/21/10 14:44 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	**82.1**	mg/kg	6.3	3.9	1	04/27/10 13:00	04/29/10 12:54	68334-30-5	
n-Pentacosane (S)	73	%	50-135		1	04/27/10 13:00	04/29/10 12:54	629-99-2	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**30.5**	mg/kg	0.57	0.55	1	05/03/10 15:10	05/04/10 13:31	7439-92-1	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	4660	466	50		04/22/10 19:38	67-64-1	
Benzene	ND	ug/kg	233	74.6	50		04/22/10 19:38	71-43-2	
Bromobenzene	ND	ug/kg	233	93.2	50		04/22/10 19:38	108-86-1	
Bromochloromethane	ND	ug/kg	233	79.3	50		04/22/10 19:38	74-97-5	
Bromodichloromethane	ND	ug/kg	233	88.6	50		04/22/10 19:38	75-27-4	
Bromoform	ND	ug/kg	233	107	50		04/22/10 19:38	75-25-2	
Bromomethane	ND	ug/kg	466	117	50		04/22/10 19:38	74-83-9	
2-Butanone (MEK)	ND	ug/kg	4660	135	50		04/22/10 19:38	78-93-3	
n-Butylbenzene	ND	ug/kg	233	83.9	50		04/22/10 19:38	104-51-8	
sec-Butylbenzene	**100J**	ug/kg	233	74.6	50		04/22/10 19:38	135-98-8	
tert-Butylbenzene	ND	ug/kg	233	93.2	50		04/22/10 19:38	98-06-6	
Carbon tetrachloride	ND	ug/kg	233	121	50		04/22/10 19:38	56-23-5	
Chlorobenzene	ND	ug/kg	233	88.6	50		04/22/10 19:38	108-90-7	
Chloroethane	ND	ug/kg	466	112	50		04/22/10 19:38	75-00-3	
Chloroform	ND	ug/kg	233	74.6	50		04/22/10 19:38	67-66-3	
Chloromethane	ND	ug/kg	466	112	50		04/22/10 19:38	74-87-3	
2-Chlorotoluene	ND	ug/kg	233	79.3	50		04/22/10 19:38	95-49-8	
4-Chlorotoluene	ND	ug/kg	233	83.9	50		04/22/10 19:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	233	168	50		04/22/10 19:38	96-12-8	
Dibromochloromethane	ND	ug/kg	233	83.9	50		04/22/10 19:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	233	83.9	50		04/22/10 19:38	106-93-4	
Dibromomethane	ND	ug/kg	233	117	50		04/22/10 19:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	233	88.6	50		04/22/10 19:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	233	93.2	50		04/22/10 19:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	233	79.3	50		04/22/10 19:38	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	466	168	50		04/22/10 19:38	75-71-8	
1,1-Dichloroethane	ND	ug/kg	233	69.9	50		04/22/10 19:38	75-34-3	
1,2-Dichloroethane	ND	ug/kg	233	103	50		04/22/10 19:38	107-06-2	
1,1-Dichloroethene	ND	ug/kg	233	83.9	50		04/22/10 19:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	233	65.3	50		04/22/10 19:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	233	88.6	50		04/22/10 19:38	156-60-5	
1,2-Dichloropropane	ND	ug/kg	233	79.3	50		04/22/10 19:38	78-87-5	
1,3-Dichloropropane	ND	ug/kg	233	88.6	50		04/22/10 19:38	142-28-9	
2,2-Dichloropropane	ND	ug/kg	233	79.3	50		04/22/10 19:38	594-20-7	
1,1-Dichloropropene	ND	ug/kg	233	69.9	50		04/22/10 19:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	233	83.9	50		04/22/10 19:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	233	69.9	50		04/22/10 19:38	10061-02-6	
Diisopropyl ether	ND	ug/kg	233	79.3	50		04/22/10 19:38	108-20-3	

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Sample: B-5-1 **Lab ID: 9267829002** Collected: 04/20/10 10:35 Received: 04/21/10 14:44 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
Ethylbenzene	**377**	ug/kg	233	83.9	50		04/22/10 19:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	233	93.2	50		04/22/10 19:38	87-68-3	
2-Hexanone	ND	ug/kg	2330	182	50		04/22/10 19:38	591-78-6	
Isopropylbenzene (Cumene)	**101J**	ug/kg	233	88.6	50		04/22/10 19:38	98-82-8	
p-Isopropyltoluene	**442**	ug/kg	233	79.3	50		04/22/10 19:38	99-87-6	
Methylene Chloride	ND	ug/kg	932	140	50		04/22/10 19:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	2330	172	50		04/22/10 19:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	233	69.9	50		04/22/10 19:38	1634-04-4	
Naphthalene	**579**	ug/kg	233	55.9	50		04/22/10 19:38	91-20-3	
n-Propylbenzene	**378**	ug/kg	233	79.3	50		04/22/10 19:38	103-65-1	
Styrene	ND	ug/kg	233	83.9	50		04/22/10 19:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	233	97.9	50		04/22/10 19:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	233	88.6	50		04/22/10 19:38	79-34-5	
Tetrachloroethene	ND	ug/kg	233	79.3	50		04/22/10 19:38	127-18-4	
Toluene	ND	ug/kg	233	83.9	50		04/22/10 19:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	233	103	50		04/22/10 19:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	233	74.6	50		04/22/10 19:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	233	83.9	50		04/22/10 19:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	233	97.9	50		04/22/10 19:38	79-00-5	
Trichloroethene	ND	ug/kg	233	97.9	50		04/22/10 19:38	79-01-6	
Trichlorofluoromethane	ND	ug/kg	233	103	50		04/22/10 19:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	233	74.6	50		04/22/10 19:38	96-18-4	
1,2,4-Trimethylbenzene	**4830**	ug/kg	233	93.2	50		04/22/10 19:38	95-63-6	
1,3,5-Trimethylbenzene	**1980**	ug/kg	233	83.9	50		04/22/10 19:38	108-67-8	
Vinyl acetate	ND	ug/kg	2330	410	50		04/22/10 19:38	108-05-4	
Vinyl chloride	ND	ug/kg	466	83.9	50		04/22/10 19:38	75-01-4	
Xylene (Total)	**2900**	ug/kg	466	168	50		04/22/10 19:38	1330-20-7	
m&p-Xylene	**2610**	ug/kg	466	168	50		04/22/10 19:38	179601-23-1	
o-Xylene	**293**	ug/kg	233	88.6	50		04/22/10 19:38	95-47-6	
Dibromofluoromethane (S)	96	%	70-130		50		04/22/10 19:38	1868-53-7	
Toluene-d8 (S)	102	%	70-130		50		04/22/10 19:38	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		50		04/22/10 19:38	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		50		04/22/10 19:38	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.2**	%	0.10	0.10	1		04/26/10 09:14		

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Sample: B-13-1 **Lab ID: 9267829003** Collected: 04/20/10 13:15 Received: 04/21/10 14:44 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	6.3	3.9	1	04/27/10 13:00	04/28/10 19:38	68334-30-5	
n-Pentacosane (S)	82	%	50-135		1	04/27/10 13:00	04/28/10 19:38	629-99-2	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**24.9**	mg/kg	0.50	0.48	1	05/03/10 15:10	05/04/10 16:21	7439-92-1	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	98.5	9.8	1		04/22/10 13:32	67-64-1	
Benzene	ND	ug/kg	4.9	1.6	1		04/22/10 13:32	71-43-2	
Bromobenzene	ND	ug/kg	4.9	2.0	1		04/22/10 13:32	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1.7	1		04/22/10 13:32	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1.9	1		04/22/10 13:32	75-27-4	
Bromoform	ND	ug/kg	4.9	2.3	1		04/22/10 13:32	75-25-2	
Bromomethane	ND	ug/kg	9.8	2.5	1		04/22/10 13:32	74-83-9	
2-Butanone (MEK)	ND	ug/kg	98.5	2.9	1		04/22/10 13:32	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1.8	1		04/22/10 13:32	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1.6	1		04/22/10 13:32	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	2.0	1		04/22/10 13:32	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.9	2.6	1		04/22/10 13:32	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1.9	1		04/22/10 13:32	108-90-7	
Chloroethane	ND	ug/kg	9.8	2.4	1		04/22/10 13:32	75-00-3	
Chloroform	ND	ug/kg	4.9	1.6	1		04/22/10 13:32	67-66-3	
Chloromethane	ND	ug/kg	9.8	2.4	1		04/22/10 13:32	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1.7	1		04/22/10 13:32	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1.8	1		04/22/10 13:32	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	3.5	1		04/22/10 13:32	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1.8	1		04/22/10 13:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1.8	1		04/22/10 13:32	106-93-4	
Dibromomethane	ND	ug/kg	4.9	2.5	1		04/22/10 13:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1.9	1		04/22/10 13:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	2.0	1		04/22/10 13:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1.7	1		04/22/10 13:32	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.8	3.5	1		04/22/10 13:32	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1.5	1		04/22/10 13:32	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	2.2	1		04/22/10 13:32	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1.8	1		04/22/10 13:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1.4	1		04/22/10 13:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1.9	1		04/22/10 13:32	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		04/22/10 13:32	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1.9	1		04/22/10 13:32	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		04/22/10 13:32	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1.5	1		04/22/10 13:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1.8	1		04/22/10 13:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1.5	1		04/22/10 13:32	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.9	1.7	1		04/22/10 13:32	108-20-3	

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Sample: B-13-1 **Lab ID: 9267829003** Collected: 04/20/10 13:15 Received: 04/21/10 14:44 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
Ethylbenzene	**2.6J**	ug/kg	4.9	1.8	1		04/22/10 13:32	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	2.0	1		04/22/10 13:32	87-68-3	
2-Hexanone	ND	ug/kg	49.2	3.8	1		04/22/10 13:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1.9	1		04/22/10 13:32	98-82-8	
p-Isopropyltoluene	**2.0J**	ug/kg	4.9	1.7	1		04/22/10 13:32	99-87-6	
Methylene Chloride	ND	ug/kg	19.7	3.0	1		04/22/10 13:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	49.2	3.6	1		04/22/10 13:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1.5	1		04/22/10 13:32	1634-04-4	
Naphthalene	**18.0**	ug/kg	4.9	1.2	1		04/22/10 13:32	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1.7	1		04/22/10 13:32	103-65-1	
Styrene	ND	ug/kg	4.9	1.8	1		04/22/10 13:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	2.1	1		04/22/10 13:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1.9	1		04/22/10 13:32	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1.7	1		04/22/10 13:32	127-18-4	
Toluene	ND	ug/kg	4.9	1.8	1		04/22/10 13:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	2.2	1		04/22/10 13:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1.6	1		04/22/10 13:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1.8	1		04/22/10 13:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	2.1	1		04/22/10 13:32	79-00-5	
Trichloroethene	ND	ug/kg	4.9	2.1	1		04/22/10 13:32	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	2.2	1		04/22/10 13:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1.6	1		04/22/10 13:32	96-18-4	
1,2,4-Trimethylbenzene	**46.1**	ug/kg	4.9	2.0	1		04/22/10 13:32	95-63-6	
1,3,5-Trimethylbenzene	**21.1**	ug/kg	4.9	1.8	1		04/22/10 13:32	108-67-8	
Vinyl acetate	ND	ug/kg	49.2	8.7	1		04/22/10 13:32	108-05-4	
Vinyl chloride	ND	ug/kg	9.8	1.8	1		04/22/10 13:32	75-01-4	
Xylene (Total)	**21.9**	ug/kg	9.8	3.5	1		04/22/10 13:32	1330-20-7	
m&p-Xylene	**21.9**	ug/kg	9.8	3.5	1		04/22/10 13:32	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1.9	1		04/22/10 13:32	95-47-6	
Dibromofluoromethane (S)	102	%	70-130		1		04/22/10 13:32	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		04/22/10 13:32	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1		04/22/10 13:32	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/22/10 13:32	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.1**	%	0.10	0.10	1		04/26/10 09:14		

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Sample: B-18-1 **Lab ID: 9267829004** Collected: 04/20/10 15:20 Received: 04/21/10 14:44 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	5.5	3.4	1	04/27/10 13:00	04/29/10 13:22	68334-30-5	
n-Pentacosane (S)	93	%	50-135		1	04/27/10 13:00	04/29/10 13:22	629-99-2	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**10.2**	mg/kg	0.45	0.44	1	05/03/10 15:10	05/04/10 16:26	7439-92-1	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	118	11.8	1		04/22/10 14:09	67-64-1	
Benzene	ND	ug/kg	5.9	1.9	1		04/22/10 14:09	71-43-2	
Bromobenzene	ND	ug/kg	5.9	2.4	1		04/22/10 14:09	108-86-1	
Bromochloromethane	ND	ug/kg	5.9	2.0	1		04/22/10 14:09	74-97-5	
Bromodichloromethane	ND	ug/kg	5.9	2.2	1		04/22/10 14:09	75-27-4	
Bromoform	ND	ug/kg	5.9	2.7	1		04/22/10 14:09	75-25-2	
Bromomethane	ND	ug/kg	11.8	2.9	1		04/22/10 14:09	74-83-9	
2-Butanone (MEK)	ND	ug/kg	118	3.4	1		04/22/10 14:09	78-93-3	
n-Butylbenzene	ND	ug/kg	5.9	2.1	1		04/22/10 14:09	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.9	1.9	1		04/22/10 14:09	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.9	2.4	1		04/22/10 14:09	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.9	3.1	1		04/22/10 14:09	56-23-5	
Chlorobenzene	ND	ug/kg	5.9	2.2	1		04/22/10 14:09	108-90-7	
Chloroethane	ND	ug/kg	11.8	2.8	1		04/22/10 14:09	75-00-3	
Chloroform	ND	ug/kg	5.9	1.9	1		04/22/10 14:09	67-66-3	
Chloromethane	ND	ug/kg	11.8	2.8	1		04/22/10 14:09	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.9	2.0	1		04/22/10 14:09	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.9	2.1	1		04/22/10 14:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.9	4.2	1		04/22/10 14:09	96-12-8	
Dibromochloromethane	ND	ug/kg	5.9	2.1	1		04/22/10 14:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.9	2.1	1		04/22/10 14:09	106-93-4	
Dibromomethane	ND	ug/kg	5.9	2.9	1		04/22/10 14:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.9	2.2	1		04/22/10 14:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.9	2.4	1		04/22/10 14:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.9	2.0	1		04/22/10 14:09	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.8	4.2	1		04/22/10 14:09	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.9	1.8	1		04/22/10 14:09	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.9	2.6	1		04/22/10 14:09	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.9	2.1	1		04/22/10 14:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.9	1.6	1		04/22/10 14:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.9	2.2	1		04/22/10 14:09	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.9	2.0	1		04/22/10 14:09	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.9	2.2	1		04/22/10 14:09	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.9	2.0	1		04/22/10 14:09	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.9	1.8	1		04/22/10 14:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.9	2.1	1		04/22/10 14:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.9	1.8	1		04/22/10 14:09	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.9	2.0	1		04/22/10 14:09	108-20-3	

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Sample: B-18-1 **Lab ID: 9267829004** Collected: 04/20/10 15:20 Received: 04/21/10 14:44 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
Ethylbenzene	ND	ug/kg	5.9	2.1	1		04/22/10 14:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.9	2.4	1		04/22/10 14:09	87-68-3	
2-Hexanone	ND	ug/kg	58.9	4.6	1		04/22/10 14:09	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.9	2.2	1		04/22/10 14:09	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.9	2.0	1		04/22/10 14:09	99-87-6	
Methylene Chloride	ND	ug/kg	23.5	3.5	1		04/22/10 14:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	58.9	4.4	1		04/22/10 14:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.9	1.8	1		04/22/10 14:09	1634-04-4	
Naphthalene	ND	ug/kg	5.9	1.4	1		04/22/10 14:09	91-20-3	
n-Propylbenzene	ND	ug/kg	5.9	2.0	1		04/22/10 14:09	103-65-1	
Styrene	ND	ug/kg	5.9	2.1	1		04/22/10 14:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.9	2.5	1		04/22/10 14:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.9	2.2	1		04/22/10 14:09	79-34-5	
Tetrachloroethene	ND	ug/kg	5.9	2.0	1		04/22/10 14:09	127-18-4	
Toluene	ND	ug/kg	5.9	2.1	1		04/22/10 14:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.9	2.6	1		04/22/10 14:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.9	1.9	1		04/22/10 14:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.9	2.1	1		04/22/10 14:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.9	2.5	1		04/22/10 14:09	79-00-5	
Trichloroethene	ND	ug/kg	5.9	2.5	1		04/22/10 14:09	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.9	2.6	1		04/22/10 14:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.9	1.9	1		04/22/10 14:09	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.9	2.4	1		04/22/10 14:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.9	2.1	1		04/22/10 14:09	108-67-8	
Vinyl acetate	ND	ug/kg	58.9	10.4	1		04/22/10 14:09	108-05-4	
Vinyl chloride	ND	ug/kg	11.8	2.1	1		04/22/10 14:09	75-01-4	
Xylene (Total)	ND	ug/kg	11.8	4.2	1		04/22/10 14:09	1330-20-7	
m&p-Xylene	ND	ug/kg	11.8	4.2	1		04/22/10 14:09	179601-23-1	
o-Xylene	ND	ug/kg	5.9	2.2	1		04/22/10 14:09	95-47-6	
Dibromofluoromethane (S)	104	%	70-130		1		04/22/10 14:09	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		04/22/10 14:09	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		04/22/10 14:09	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/22/10 14:09	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.3**	%	0.10	0.10	1		04/26/10 09:15		

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Sample: TRIP BLANK **Lab ID: 9267829005** Collected: 04/20/10 17:20 Received: 04/21/10 14:44 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
Acetone	**11.9J**	ug/kg	100	10.0	1		04/22/10 11:42	67-64-1	
Benzene	ND	ug/kg	5.0	1.6	1		04/22/10 11:42	71-43-2	
Bromobenzene	ND	ug/kg	5.0	2.0	1		04/22/10 11:42	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1.7	1		04/22/10 11:42	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1.9	1		04/22/10 11:42	75-27-4	
Bromoform	ND	ug/kg	5.0	2.3	1		04/22/10 11:42	75-25-2	
Bromomethane	ND	ug/kg	10.0	2.5	1		04/22/10 11:42	74-83-9	
2-Butanone (MEK)	ND	ug/kg	100	2.9	1		04/22/10 11:42	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1.8	1		04/22/10 11:42	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1.6	1		04/22/10 11:42	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	2.0	1		04/22/10 11:42	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.0	2.6	1		04/22/10 11:42	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1.9	1		04/22/10 11:42	108-90-7	
Chloroethane	ND	ug/kg	10.0	2.4	1		04/22/10 11:42	75-00-3	
Chloroform	ND	ug/kg	5.0	1.6	1		04/22/10 11:42	67-66-3	
Chloromethane	ND	ug/kg	10.0	2.4	1		04/22/10 11:42	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1.7	1		04/22/10 11:42	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1.8	1		04/22/10 11:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	3.6	1		04/22/10 11:42	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1.8	1		04/22/10 11:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1.8	1		04/22/10 11:42	106-93-4	
Dibromomethane	ND	ug/kg	5.0	2.5	1		04/22/10 11:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1.9	1		04/22/10 11:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	2.0	1		04/22/10 11:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1.7	1		04/22/10 11:42	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.0	3.6	1		04/22/10 11:42	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1.5	1		04/22/10 11:42	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	2.2	1		04/22/10 11:42	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1.8	1		04/22/10 11:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1.4	1		04/22/10 11:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1.9	1		04/22/10 11:42	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1.7	1		04/22/10 11:42	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1.9	1		04/22/10 11:42	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1.7	1		04/22/10 11:42	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1.5	1		04/22/10 11:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1.8	1		04/22/10 11:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1.5	1		04/22/10 11:42	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.0	1.7	1		04/22/10 11:42	108-20-3	
Ethylbenzene	ND	ug/kg	5.0	1.8	1		04/22/10 11:42	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	2.0	1		04/22/10 11:42	87-68-3	
2-Hexanone	ND	ug/kg	50.0	3.9	1		04/22/10 11:42	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1.9	1		04/22/10 11:42	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1.7	1		04/22/10 11:42	99-87-6	
Methylene Chloride	ND	ug/kg	20.0	3.0	1		04/22/10 11:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.0	3.7	1		04/22/10 11:42	108-10-1	

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Sample: TRIP BLANK **Lab ID: 9267829005** Collected: 04/20/10 17:20 Received: 04/21/10 14:44 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	ND	ug/kg	5.0	1.5	1		04/22/10 11:42	1634-04-4	
Naphthalene	ND	ug/kg	5.0	1.2	1		04/22/10 11:42	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1.7	1		04/22/10 11:42	103-65-1	
Styrene	ND	ug/kg	5.0	1.8	1		04/22/10 11:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	2.1	1		04/22/10 11:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1.9	1		04/22/10 11:42	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1.7	1		04/22/10 11:42	127-18-4	
Toluene	ND	ug/kg	5.0	1.8	1		04/22/10 11:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	2.2	1		04/22/10 11:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1.6	1		04/22/10 11:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1.8	1		04/22/10 11:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	2.1	1		04/22/10 11:42	79-00-5	
Trichloroethene	ND	ug/kg	5.0	2.1	1		04/22/10 11:42	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	2.2	1		04/22/10 11:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1.6	1		04/22/10 11:42	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	2.0	1		04/22/10 11:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1.8	1		04/22/10 11:42	108-67-8	
Vinyl acetate	ND	ug/kg	50.0	8.8	1		04/22/10 11:42	108-05-4	
Vinyl chloride	ND	ug/kg	10.0	1.8	1		04/22/10 11:42	75-01-4	
Xylene (Total)	ND	ug/kg	10.0	3.6	1		04/22/10 11:42	1330-20-7	
m&p-Xylene	ND	ug/kg	10.0	3.6	1		04/22/10 11:42	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1.9	1		04/22/10 11:42	95-47-6	
Dibromofluoromethane (S)	103	%	70-130		1		04/22/10 11:42	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		04/22/10 11:42	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		04/22/10 11:42	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/22/10 11:42	17060-07-0	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

QC Batch: OEXT/9836 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 9267829001, 9267829002, 9267829003, 9267829004

METHOD BLANK: 434203 Matrix: Solid
Associated Lab Samples: 9267829001, 9267829002, 9267829003, 9267829004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	04/28/10 11:21	
n-Pentacosane (S)	%	91	50-135	04/28/10 11:21	

LABORATORY CONTROL SAMPLE: 434204

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/kg	167	152	91	50-114	
n-Pentacosane (S)	%			101	50-135	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 434205 434206

Parameter	Units	9268101001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diesel Components	mg/kg	61.2	207	207	259	190	96	63	50-107	30	30	
n-Pentacosane (S)	%						94	74	50-135			

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

QC Batch: MPRP/6250 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 9267829001, 9267829002, 9267829003, 9267829004

METHOD BLANK: 436511 Matrix: Solid
Associated Lab Samples: 9267829001, 9267829002, 9267829003, 9267829004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	0.50	05/04/10 13:13	

LABORATORY CONTROL SAMPLE: 436512

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	52.5	105	80-120	

MATRIX SPIKE SAMPLE: 436513

Parameter	Units	9267829001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	66.3	45.7	145	172	75-125	M0

SAMPLE DUPLICATE: 436514

Parameter	Units	9267829002 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	mg/kg	30.5	28.4	7	20	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

QC Batch: MSV/10700 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 9267829001, 9267829002, 9267829003, 9267829004, 9267829005

METHOD BLANK: 432288 Matrix: Solid
Associated Lab Samples: 9267829001, 9267829002, 9267829003, 9267829004, 9267829005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	04/22/10 11:06	
1,1,1-Trichloroethane	ug/kg	ND	5.0	04/22/10 11:06	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	04/22/10 11:06	
1,1,2-Trichloroethane	ug/kg	ND	5.0	04/22/10 11:06	
1,1-Dichloroethane	ug/kg	ND	5.0	04/22/10 11:06	
1,1-Dichloroethene	ug/kg	ND	5.0	04/22/10 11:06	
1,1-Dichloropropene	ug/kg	ND	5.0	04/22/10 11:06	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	04/22/10 11:06	
1,2,3-Trichloropropane	ug/kg	ND	5.0	04/22/10 11:06	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	04/22/10 11:06	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	04/22/10 11:06	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	04/22/10 11:06	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	04/22/10 11:06	
1,2-Dichlorobenzene	ug/kg	ND	5.0	04/22/10 11:06	
1,2-Dichloroethane	ug/kg	ND	5.0	04/22/10 11:06	
1,2-Dichloropropane	ug/kg	ND	5.0	04/22/10 11:06	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	04/22/10 11:06	
1,3-Dichlorobenzene	ug/kg	ND	5.0	04/22/10 11:06	
1,3-Dichloropropane	ug/kg	ND	5.0	04/22/10 11:06	
1,4-Dichlorobenzene	ug/kg	ND	5.0	04/22/10 11:06	
2,2-Dichloropropane	ug/kg	ND	5.0	04/22/10 11:06	
2-Butanone (MEK)	ug/kg	ND	100	04/22/10 11:06	
2-Chlorotoluene	ug/kg	ND	5.0	04/22/10 11:06	
2-Hexanone	ug/kg	ND	50.0	04/22/10 11:06	
4-Chlorotoluene	ug/kg	ND	5.0	04/22/10 11:06	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	04/22/10 11:06	
Acetone	ug/kg	ND	100	04/22/10 11:06	
Benzene	ug/kg	ND	5.0	04/22/10 11:06	
Bromobenzene	ug/kg	ND	5.0	04/22/10 11:06	
Bromochloromethane	ug/kg	ND	5.0	04/22/10 11:06	
Bromodichloromethane	ug/kg	ND	5.0	04/22/10 11:06	
Bromoform	ug/kg	ND	5.0	04/22/10 11:06	
Bromomethane	ug/kg	ND	10.0	04/22/10 11:06	
Carbon tetrachloride	ug/kg	ND	5.0	04/22/10 11:06	
Chlorobenzene	ug/kg	ND	5.0	04/22/10 11:06	
Chloroethane	ug/kg	ND	10.0	04/22/10 11:06	
Chloroform	ug/kg	ND	5.0	04/22/10 11:06	
Chloromethane	ug/kg	ND	10.0	04/22/10 11:06	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	04/22/10 11:06	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	04/22/10 11:06	
Dibromochloromethane	ug/kg	ND	5.0	04/22/10 11:06	
Dibromomethane	ug/kg	ND	5.0	04/22/10 11:06	
Dichlorodifluoromethane	ug/kg	ND	10.0	04/22/10 11:06	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

METHOD BLANK: 432288 Matrix: Solid

Associated Lab Samples: 9267829001, 9267829002, 9267829003, 9267829004, 9267829005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.0	04/22/10 11:06	
Ethylbenzene	ug/kg	ND	5.0	04/22/10 11:06	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	04/22/10 11:06	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	04/22/10 11:06	
m&p-Xylene	ug/kg	ND	10.0	04/22/10 11:06	
Methyl-tert-butyl ether	ug/kg	ND	5.0	04/22/10 11:06	
Methylene Chloride	ug/kg	ND	20.0	04/22/10 11:06	
n-Butylbenzene	ug/kg	ND	5.0	04/22/10 11:06	
n-Propylbenzene	ug/kg	ND	5.0	04/22/10 11:06	
Naphthalene	ug/kg	1.4J	5.0	04/22/10 11:06	
o-Xylene	ug/kg	ND	5.0	04/22/10 11:06	
p-Isopropyltoluene	ug/kg	ND	5.0	04/22/10 11:06	
sec-Butylbenzene	ug/kg	ND	5.0	04/22/10 11:06	
Styrene	ug/kg	ND	5.0	04/22/10 11:06	
tert-Butylbenzene	ug/kg	ND	5.0	04/22/10 11:06	
Tetrachloroethene	ug/kg	ND	5.0	04/22/10 11:06	
Toluene	ug/kg	ND	5.0	04/22/10 11:06	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	04/22/10 11:06	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	04/22/10 11:06	
Trichloroethene	ug/kg	ND	5.0	04/22/10 11:06	
Trichlorofluoromethane	ug/kg	ND	5.0	04/22/10 11:06	
Vinyl acetate	ug/kg	ND	50.0	04/22/10 11:06	
Vinyl chloride	ug/kg	ND	10.0	04/22/10 11:06	
Xylene (Total)	ug/kg	ND	10.0	04/22/10 11:06	
1,2-Dichloroethane-d4 (S)	%	103	70-130	04/22/10 11:06	
4-Bromofluorobenzene (S)	%	97	70-130	04/22/10 11:06	
Dibromofluoromethane (S)	%	104	70-130	04/22/10 11:06	
Toluene-d8 (S)	%	102	70-130	04/22/10 11:06	

LABORATORY CONTROL SAMPLE: 432289

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	45.0	90	70-130	
1,1,1-Trichloroethane	ug/kg	50	49.0	98	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	50	42.5	85	70-130	
1,1,2-Trichloroethane	ug/kg	50	45.3	91	70-130	
1,1-Dichloroethane	ug/kg	50	49.0	98	70-130	
1,1-Dichloroethene	ug/kg	50	48.3	97	70-130	
1,1-Dichloropropene	ug/kg	50	46.4	93	70-130	
1,2,3-Trichlorobenzene	ug/kg	50	50.1	100	70-130	
1,2,3-Trichloropropane	ug/kg	50	43.3	87	70-130	
1,2,4-Trichlorobenzene	ug/kg	50	54.3	109	70-130	
1,2,4-Trimethylbenzene	ug/kg	50	48.9	98	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	50	44.4	89	70-130	
1,2-Dibromoethane (EDB)	ug/kg	50	44.0	88	70-130	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

LABORATORY CONTROL SAMPLE: 432289

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	50	48.8	98	70-130	
1,2-Dichloroethane	ug/kg	50	44.0	88	70-130	
1,2-Dichloropropane	ug/kg	50	45.9	92	70-130	
1,3,5-Trimethylbenzene	ug/kg	50	49.2	98	70-130	
1,3-Dichlorobenzene	ug/kg	50	49.0	98	70-130	
1,3-Dichloropropane	ug/kg	50	44.4	89	70-130	
1,4-Dichlorobenzene	ug/kg	50	48.8	98	70-130	
2,2-Dichloropropane	ug/kg	50	57.0	114	70-130	
2-Butanone (MEK)	ug/kg	100	89.0J	89	70-130	
2-Chlorotoluene	ug/kg	50	48.5	97	70-130	
2-Hexanone	ug/kg	100	96.1	96	70-130	
4-Chlorotoluene	ug/kg	50	51.1	102	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	95.0	95	70-130	
Acetone	ug/kg	100	92.4J	92	70-130	
Benzene	ug/kg	50	45.7	91	70-130	
Bromobenzene	ug/kg	50	48.6	97	70-130	
Bromochloromethane	ug/kg	50	48.1	96	70-130	
Bromodichloromethane	ug/kg	50	44.9	90	70-130	
Bromoform	ug/kg	50	45.8	92	70-130	
Bromomethane	ug/kg	50	56.9	114	70-130	
Carbon tetrachloride	ug/kg	50	58.0	116	70-130	
Chlorobenzene	ug/kg	50	46.8	94	70-130	
Chloroethane	ug/kg	50	57.6	115	70-130	
Chloroform	ug/kg	50	49.4	99	70-130	
Chloromethane	ug/kg	50	50.1	100	70-130	
cis-1,2-Dichloroethene	ug/kg	50	52.3	105	70-130	
cis-1,3-Dichloropropene	ug/kg	50	47.6	95	70-130	
Dibromochloromethane	ug/kg	50	44.3	89	70-130	
Dibromomethane	ug/kg	50	47.7	95	70-130	
Dichlorodifluoromethane	ug/kg	50	41.1	82	70-130	
Diisopropyl ether	ug/kg	50	46.5	93	70-130	
Ethylbenzene	ug/kg	50	47.4	95	70-130	
Hexachloro-1,3-butadiene	ug/kg	50	47.6	95	70-130	
Isopropylbenzene (Cumene)	ug/kg	50	49.4	99	70-130	
m&p-Xylene	ug/kg	100	97.6	98	70-130	
Methyl-tert-butyl ether	ug/kg	50	45.9	92	70-130	
Methylene Chloride	ug/kg	50	45.1	90	70-130	
n-Butylbenzene	ug/kg	50	52.1	104	70-130	
n-Propylbenzene	ug/kg	50	51.2	102	70-130	
Naphthalene	ug/kg	50	46.3	93	70-130	
o-Xylene	ug/kg	50	48.6	97	70-130	
p-Isopropyltoluene	ug/kg	50	50.0	100	70-130	
sec-Butylbenzene	ug/kg	50	49.9	100	70-130	
Styrene	ug/kg	50	48.7	97	70-130	
tert-Butylbenzene	ug/kg	50	50.0	100	70-130	
Tetrachloroethene	ug/kg	50	48.3	97	70-130	
Toluene	ug/kg	50	46.7	93	70-130	
trans-1,2-Dichloroethene	ug/kg	50	47.6	95	70-130	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

LABORATORY CONTROL SAMPLE: 432289

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	50	47.3	95	70-130	
Trichloroethene	ug/kg	50	47.3	95	70-130	
Trichlorofluoromethane	ug/kg	50	53.6	107	70-130	
Vinyl acetate	ug/kg	100	237	237	70-130	L3
Vinyl chloride	ug/kg	50	49.2	98	70-130	
Xylene (Total)	ug/kg	150	146	97	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			102	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 432755

Parameter	Units	9267867001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	39.8	12.8	32	70-130	M0
1,1,1-Trichloroethane	ug/kg	ND	39.8	17.2	43	70-130	M0
1,1,2,2-Tetrachloroethane	ug/kg	ND	39.8	14.2	36	70-130	M0
1,1,2-Trichloroethane	ug/kg	ND	39.8	14.4	36	70-130	M0
1,1-Dichloroethane	ug/kg	ND	39.8	21.0	53	70-130	M0
1,1-Dichloroethene	ug/kg	ND	39.8	22.7	57	70-130	M0
1,1-Dichloropropene	ug/kg	ND	39.8	14.8	37	70-130	M0
1,2,3-Trichlorobenzene	ug/kg	ND	39.8	6.8	17	70-130	M0
1,2,3-Trichloropropane	ug/kg	ND	39.8	14.6	37	70-130	M0
1,2,4-Trichlorobenzene	ug/kg	ND	39.8	7.2	18	70-130	M0
1,2,4-Trimethylbenzene	ug/kg	ND	39.8	15.1	35	70-130	M0
1,2-Dibromo-3-chloropropane	ug/kg	ND	39.8	19.4	49	70-130	M0
1,2-Dibromoethane (EDB)	ug/kg	ND	39.8	16.9	42	70-130	M0
1,2-Dichlorobenzene	ug/kg	ND	39.8	11.5	29	70-130	M0
1,2-Dichloroethane	ug/kg	ND	39.8	19.1	48	70-130	M0
1,2-Dichloropropane	ug/kg	ND	39.8	14.1	35	70-130	M0
1,3,5-Trimethylbenzene	ug/kg	ND	39.8	12.4	31	70-130	M0
1,3-Dichlorobenzene	ug/kg	ND	39.8	11.4	29	70-130	M0
1,3-Dichloropropane	ug/kg	ND	39.8	17.6	44	70-130	M0
1,4-Dichlorobenzene	ug/kg	ND	39.8	11.5	29	70-130	M0
2,2-Dichloropropane	ug/kg	ND	39.8	15.7	39	70-130	M0
2-Butanone (MEK)	ug/kg	ND	79.7	93.0	117	70-130	
2-Chlorotoluene	ug/kg	ND	39.8	15.1	38	70-130	M0
2-Hexanone	ug/kg	ND	79.7	71.0	89	70-130	
4-Chlorotoluene	ug/kg	ND	39.8	14.1	35	70-130	M0
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	79.7	52.2	66	70-130	M0
Acetone	ug/kg	8.7J	79.7	302	368	70-130	M0
Benzene	ug/kg	ND	39.8	15.9	39	70-130	M0
Bromobenzene	ug/kg	ND	39.8	16.8	42	70-130	M0
Bromochloromethane	ug/kg	ND	39.8	19.8	50	70-130	M0
Bromodichloromethane	ug/kg	ND	39.8	14.4	36	70-130	M0
Bromoform	ug/kg	ND	39.8	14.9	37	70-130	M0
Bromomethane	ug/kg	ND	39.8	21.5	54	70-130	M0

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

MATRIX SPIKE SAMPLE: 432755

Parameter	Units	9267867001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	ND	39.8	15.5	39	70-130	M0
Chlorobenzene	ug/kg	ND	39.8	12.0	30	70-130	M0
Chloroethane	ug/kg	ND	39.8	33.7	85	70-130	
Chloroform	ug/kg	ND	39.8	16.0	40	70-130	M0
Chloromethane	ug/kg	ND	39.8	34.2	86	70-130	
cis-1,2-Dichloroethene	ug/kg	ND	39.8	16.6	42	70-130	M0
cis-1,3-Dichloropropene	ug/kg	ND	39.8	12.2	31	70-130	M0
Dibromochloromethane	ug/kg	ND	39.8	16.1	40	70-130	M0
Dibromomethane	ug/kg	ND	39.8	18.6	47	70-130	M0
Dichlorodifluoromethane	ug/kg	ND	39.8	37.6	94	70-130	
Diisopropyl ether	ug/kg	ND	39.8	20.1	50	70-130	M0
Ethylbenzene	ug/kg	3.8J	39.8	21.5	44	70-130	M0
Hexachloro-1,3-butadiene	ug/kg	ND	39.8	2.9J	7	70-130	M0
Isopropylbenzene (Cumene)	ug/kg	ND	39.8	13.9	32	70-130	M0
m&p-Xylene	ug/kg	ND	79.7	24.8	31	70-130	M0
Methyl-tert-butyl ether	ug/kg	ND	39.8	26.6	67	70-130	M0
Methylene Chloride	ug/kg	ND	39.8	77.3	194	70-130	M0
n-Butylbenzene	ug/kg	2.5J	39.8	16.2	34	70-130	M0
n-Propylbenzene	ug/kg	4.7	39.8	35.0	76	70-130	
Naphthalene	ug/kg	9.8	39.8	48.2	97	70-130	
o-Xylene	ug/kg	ND	39.8	11.7	29	70-130	M0
p-Isopropyltoluene	ug/kg	ND	39.8	11.1	28	70-130	M0
sec-Butylbenzene	ug/kg	1.3J	39.8	14.0	32	70-130	M0
Styrene	ug/kg	ND	39.8	8.5	21	70-130	M0
tert-Butylbenzene	ug/kg	ND	39.8	12.5	31	70-130	M0
Tetrachloroethene	ug/kg	ND	39.8	14.4	36	70-130	M0
Toluene	ug/kg	ND	39.8	13.4	33	70-130	M0
trans-1,2-Dichloroethene	ug/kg	ND	39.8	18.4	46	70-130	M0
trans-1,3-Dichloropropene	ug/kg	ND	39.8	12.9	32	70-130	M0
Trichloroethene	ug/kg	ND	39.8	13.6	34	70-130	M0
Trichlorofluoromethane	ug/kg	ND	39.8	28.7	72	70-130	
Vinyl acetate	ug/kg	ND	79.7	46.2	58	70-130	M0
Vinyl chloride	ug/kg	ND	39.8	32.0	80	70-130	
1,2-Dichloroethane-d4 (S)	%				107	70-130	
4-Bromofluorobenzene (S)	%				79	70-130	
Dibromofluoromethane (S)	%				107	70-130	
Toluene-d8 (S)	%				89	70-130	

SAMPLE DUPLICATE: 432756

Parameter	Units	9267829004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

SAMPLE DUPLICATE: 432756

Parameter	Units	9267829004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	ND	ND		30	
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Diisopropyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	3.7J		30	
o-Xylene	ug/kg	ND	ND		30	

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

SAMPLE DUPLICATE: 432756

Parameter	Units	9267829004 Result	Dup Result	RPD	Max RPD	Qualifiers
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	ND		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	102	104	20		
4-Bromofluorobenzene (S)	%	97	95	24		
Dibromofluoromethane (S)	%	104	96	29		
Toluene-d8 (S)	%	101	102	21		

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

QC Batch: PMST/3154 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 9267829001, 9267829002, 9267829003, 9267829004

SAMPLE DUPLICATE: 433317

Parameter	Units	9267549008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	38.0	34.1	11	25	

SAMPLE DUPLICATE: 433318

Parameter	Units	9268008001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.8	17.5	2	25	

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QUALIFIERS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9267829

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
9267829001	**B-4-1**	EPA 3546	OEXT/9836	EPA 8015 Modified	GCSV/7551
9267829002	**B-5-1**	EPA 3546	OEXT/9836	EPA 8015 Modified	GCSV/7551
9267829003	**B-13-1**	EPA 3546	OEXT/9836	EPA 8015 Modified	GCSV/7551
9267829004	**B-18-1**	EPA 3546	OEXT/9836	EPA 8015 Modified	GCSV/7551
9267829001	**B-4-1**	EPA 3050	MPRP/6250	EPA 6010	ICP/5765
9267829002	**B-5-1**	EPA 3050	MPRP/6250	EPA 6010	ICP/5765
9267829003	**B-13-1**	EPA 3050	MPRP/6250	EPA 6010	ICP/5765
9267829004	**B-18-1**	EPA 3050	MPRP/6250	EPA 6010	ICP/5765
9267829001	**B-4-1**	EPA 8260	MSV/10700		
9267829002	**B-5-1**	EPA 8260	MSV/10700		
9267829003	**B-13-1**	EPA 8260	MSV/10700		
9267829004	**B-18-1**	EPA 8260	MSV/10700		
9267829005	**TRIP BLANK**	EPA 8260	MSV/10700		
9267829001	**B-4-1**	ASTM D2974-87	PMST/3154		
9267829002	**B-5-1**	ASTM D2974-87	PMST/3154		
9267829003	**B-13-1**	ASTM D2974-87	PMST/3154		
9267829004	**B-18-1**	ASTM D2974-87	PMST/3154		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1381062

Section A Required Client Information:

Company: Potomac-Hudson Eng.
Address: 1161 Broad St. Suite 318, Shrewsbury, NJ
Email To: tomv@phe.com
Phone: 732.578.9078 Fax: 732.578.0192
Requested Due Date/TAT: 2 wk.

Section B Required Project Information:

Report To: SAME
Copy To:
Purchase Order No.:
Project Name: GSA - Greenville
Project Number: 1203-002

Section C Invoice Information:

Attention: Tom Varner
Company Name: SAME
Address:
Pace Quote Reference: 920329 2010.400
Pace Project Manager: B. Helton
Pace Profile #: 3766-1

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☒ UST ☐ RCRA ☒ OTHER _____

Site Location STATE: SC

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: Tot Vols	MTBE	Tot Naphthalene	Tot PAH SIMS	TPH-DRO	Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	B-4-1	SL	G	4/20/10	10:10	4/20/10	10:10		6	3				X	2	1			X	X	X	X	X	X		001
2	B-5-1	SL	G	4/20/10	10:35	4/20/10	10:35		6	3					2	1			X	X	X	X	X	X		002
3	B-13-1	SL	G	4/20/10	13:15	4/20/10	13:15		6	3					2	1			X	X	X	X	X	X		003
4	B-18-1	SL	G			4/20/10	15:20		6	3					2	1			X	X	X	X	X	X		004
5	TRIP BLANK	OT	G			4/20/10	17:20		4	1					2	1			X	X						005
6																											
7																											
8																											
9																											
10																											
11																											
12																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Prep via 3550 for TPH DRO	(PHE)	4/21/10	0946	Jyoti Pace	4/21/10	946				
★ MDLs must meet DHEC standards ★	Jyoti Pace	4/21/10	1444	Jyoti Pace	4/21/10	444	9.6	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical

Sample Condition Upon Receipt

Client Name: Potomac Project # 9267829

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Optional
Proj. Due Date: N/A
Proj. Name: N/A

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Thermometer Used T060 Type of Ice: ☑ Wet Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 9.6 Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: VML 4/21

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☑No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☑No ☐N/A	9. TB received a 8260 kit
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SL		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16. VML 4/21
Trip Blank Custody Seals Present	☐Yes ☑No ☐N/A	TB 8260 kit NO C.Seal.
Pace Trip Blank Lot # (if purchased): N/A		

Client Notification/ Resolution: Field Data Required? Y / N / N/A

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: BMH Date: 4-21-10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

April 28, 2010

Brandon Helton
Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville NC 28078

TEL: (704) 875-9092
FAX: (704) 875-9091

RE: 9267829

Dear Brandon Helton: Order No: 1004H11

Analytical Environmental Services, Inc. received 4 samples on 4/22/2010 10:30:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/09-06/30/10.
-AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/11.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Janice Winn-Shilling
Project Manager

1004H11

Chain of Custody

Pace Analytical®
www.pacelabs.com

Workorder: 9267829 Workorder Name: GSA-GREENVILLE 1203-002 Results Requested: 5/5/2010

Report / Invoice To	Subcontract To
Brandon Helton Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092 Email brandon.helton@pacelabs.com	AES P.O. CHS06887

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers	Requested Analysis: TCL PAH Sims 8270	LAB USE ONLY
1	B-4-1	4/20/2010 10:10	9267829001	Solid			
2	B-5-1	4/20/2010 10:35	9267829002	Solid			
3	B-13-1	4/20/2010 13:15	9267829003	Solid			
4	B-18-1	4/20/2010 15:20	9267829004	Solid			
5							

Transfers	Released By	Date/Time	Received By	Date/Time
1	Brandon Helton - PACE	4-20-10 1700	FedEx	4-20-10 1700
2	FedEx		MJ 4/22/10 10:30	
3				
4				
5				

Comments

Analytical Environmental Services, Inc **Date:** 14-May-10

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	B-4-1
Project Name:	9267829	**Collection Date:**	4/20/2010 10:10:00 AM
Lab ID:	1004H11-001	**Matrix:**	Solid

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3550C)									
1-Methylnaphthalene	11	J	2.9	20	ug/Kg-dry	128371	1	04/23/2010 14:05	YH
2-Methylnaphthalene	19	J	3.1	20	ug/Kg-dry	128371	1	04/23/2010 14:05	YH
Acenaphthene	BRL		2.9	20	ug/Kg-dry	128371	1	04/23/2010 14:05	YH
Acenaphthylene	BRL		6.6	39	ug/Kg-dry	128371	1	04/23/2010 14:05	YH
Anthracene	BRL		0.47	2.0	ug/Kg-dry	128371	1	04/23/2010 14:05	YH
Benz(a)anthracene	2.8		0.60	2.0	ug/Kg-dry	128371	1	04/23/2010 14:05	YH
Benzo(a)pyrene	2.8		0.60	2.0	ug/Kg-dry	128371	1	04/23/2010 14:05	YH
Benzo(b)fluoranthene	3.2	J	0.66	3.9	ug/Kg-dry	128371	1	04/23/2010 14:05	YH
Benzo(g,h,i)perylene	2.4	J	0.94	3.9	ug/Kg-dry	128371	1	04/23/2010 14:05	YH
Benzo(k)fluoranthene	2.0	J	0.71	2.0	ug/Kg-dry	128371	1	04/23/2010 14:05	YH
Chrysene	2.8		0.60	2.0	ug/Kg-dry	128371	1	04/23/2010 14:05	YH
Dibenz(a,h)anthracene	BRL		0.94	3.9	ug/Kg-dry	128371	1	04/23/2010 14:05	YH
Fluoranthene	4.7		0.66	3.9	ug/Kg-dry	128371	1	04/23/2010 14:05	YH
Fluorene	1.6	J	0.47	3.9	ug/Kg-dry	128371	1	04/23/2010 14:05	YH
Indeno(1,2,3-cd)pyrene	1.6	J	0.47	2.0	ug/Kg-dry	128371	1	04/23/2010 14:05	YH
Naphthalene	5.5	J	3.6	20	ug/Kg-dry	128371	1	04/23/2010 14:05	YH
Phenanthrene	4.7		0.60	2.0	ug/Kg-dry	128371	1	04/23/2010 14:05	YH
Pyrene	5.9		0.60	2.0	ug/Kg-dry	128371	1	04/23/2010 14:05	YH
Surr: 4-Terphenyl-d14	92.5		0	33.1-123	%REC	128371	1	04/23/2010 14:05	YH
PERCENT MOISTURE D2216									
Percent Moisture	15.5		0	0	wt%	R170611	1	04/28/2010 10:00	AS

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value

Analytical Environmental Services, Inc **Date:** 14-May-10

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	B-5-1
Project Name:	9267829	**Collection Date:**	4/20/2010 10:35:00 AM
Lab ID:	1004H11-002	**Matrix:**	Solid

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3550C)									
1-Methylnaphthalene	66		3.1	21	ug/Kg-dry	128371	1	04/23/2010 14:31	YH
2-Methylnaphthalene	150		3.3	21	ug/Kg-dry	128371	1	04/23/2010 14:31	YH
Acenaphthene	BRL		3.1	21	ug/Kg-dry	128371	1	04/23/2010 14:31	YH
Acenaphthylene	BRL		7.0	42	ug/Kg-dry	128371	1	04/23/2010 14:31	YH
Anthracene	BRL		0.50	2.1	ug/Kg-dry	128371	1	04/23/2010 14:31	YH
Benz(a)anthracene	0.84	J	0.64	2.1	ug/Kg-dry	128371	1	04/23/2010 14:31	YH
Benzo(a)pyrene	BRL		0.64	2.1	ug/Kg-dry	128371	1	04/23/2010 14:31	YH
Benzo(b)fluoranthene	BRL		0.71	4.2	ug/Kg-dry	128371	1	04/23/2010 14:31	YH
Benzo(g,h,i)perylene	BRL		1.0	4.2	ug/Kg-dry	128371	1	04/23/2010 14:31	YH
Benzo(k)fluoranthene	BRL		0.76	2.1	ug/Kg-dry	128371	1	04/23/2010 14:31	YH
Chrysene	BRL		0.65	2.1	ug/Kg-dry	128371	1	04/23/2010 14:31	YH
Dibenz(a,h)anthracene	BRL		1.0	4.2	ug/Kg-dry	128371	1	04/23/2010 14:31	YH
Fluoranthene	BRL		0.71	4.2	ug/Kg-dry	128371	1	04/23/2010 14:31	YH
Fluorene	1.7	J	0.50	4.2	ug/Kg-dry	128371	1	04/23/2010 14:31	YH
Indeno(1,2,3-cd)pyrene	BRL		0.50	2.1	ug/Kg-dry	128371	1	04/23/2010 14:31	YH
Naphthalene	80		3.9	21	ug/Kg-dry	128371	1	04/23/2010 14:31	YH
Phenanthrene	4.6		0.65	2.1	ug/Kg-dry	128371	1	04/23/2010 14:31	YH
Pyrene	0.84	J	0.65	2.1	ug/Kg-dry	128371	1	04/23/2010 14:31	YH
Surr: 4-Terphenyl-d14	85		0	33.1-123	%REC	128371	1	04/23/2010 14:31	YH
PERCENT MOISTURE D2216									
Percent Moisture	20.9		0	0	wt%	R170611	1	04/28/2010 10:00	AS

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value

Analytical Environmental Services, Inc **Date:** 14-May-10

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	B-13-1
Project Name:	9267829	**Collection Date:**	4/20/2010 1:15:00 PM
Lab ID:	1004H11-003	**Matrix:**	Solid

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3550C)									
1-Methylnaphthalene	BRL		3.0	20	ug/Kg-dry	128371	1	04/23/2010 14:57	YH
2-Methylnaphthalene	5.2	J	3.1	20	ug/Kg-dry	128371	1	04/23/2010 14:57	YH
Acenaphthene	BRL		3.0	20	ug/Kg-dry	128371	1	04/23/2010 14:57	YH
Acenaphthylene	BRL		6.7	40	ug/Kg-dry	128371	1	04/23/2010 14:57	YH
Anthracene	BRL		0.48	2.0	ug/Kg-dry	128371	1	04/23/2010 14:57	YH
Benz(a)anthracene	BRL		0.62	2.0	ug/Kg-dry	128371	1	04/23/2010 14:57	YH
Benzo(a)pyrene	BRL		0.62	2.0	ug/Kg-dry	128371	1	04/23/2010 14:57	YH
Benzo(b)fluoranthene	BRL		0.68	4.0	ug/Kg-dry	128371	1	04/23/2010 14:57	YH
Benzo(g,h,i)perylene	BRL		0.95	4.0	ug/Kg-dry	128371	1	04/23/2010 14:57	YH
Benzo(k)fluoranthene	BRL		0.73	2.0	ug/Kg-dry	128371	1	04/23/2010 14:57	YH
Chrysene	BRL		0.62	2.0	ug/Kg-dry	128371	1	04/23/2010 14:57	YH
Dibenz(a,h)anthracene	BRL		0.95	4.0	ug/Kg-dry	128371	1	04/23/2010 14:57	YH
Fluoranthene	BRL		0.68	4.0	ug/Kg-dry	128371	1	04/23/2010 14:57	YH
Fluorene	BRL		0.48	4.0	ug/Kg-dry	128371	1	04/23/2010 14:57	YH
Indeno(1,2,3-cd)pyrene	BRL		0.48	2.0	ug/Kg-dry	128371	1	04/23/2010 14:57	YH
Naphthalene	BRL		3.7	20	ug/Kg-dry	128371	1	04/23/2010 14:57	YH
Phenanthrene	0.80	J	0.62	2.0	ug/Kg-dry	128371	1	04/23/2010 14:57	YH
Pyrene	BRL		0.62	2.0	ug/Kg-dry	128371	1	04/23/2010 14:57	YH
Surr: 4-Terphenyl-d14	83.5		0	33.1-123	%REC	128371	1	04/23/2010 14:57	YH
PERCENT MOISTURE D2216									
Percent Moisture	17.2		0	0	wt%	R170611	1	04/28/2010 10:00	AS

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value

Analytical Environmental Services, Inc **Date:** 14-May-10

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	B-18-1
Project Name:	9267829	**Collection Date:**	4/20/2010 3:20:00 PM
Lab ID:	1004H11-004	**Matrix:**	Solid

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3550C)									
1-Methylnaphthalene	BRL		2.6	18	ug/Kg-dry	128371	1	04/23/2010 15:23	YH
2-Methylnaphthalene	BRL		2.8	18	ug/Kg-dry	128371	1	04/23/2010 15:23	YH
Acenaphthene	BRL		2.6	18	ug/Kg-dry	128371	1	04/23/2010 15:23	YH
Acenaphthylene	BRL		5.9	35	ug/Kg-dry	128371	1	04/23/2010 15:23	YH
Anthracene	BRL		0.42	1.8	ug/Kg-dry	128371	1	04/23/2010 15:23	YH
Benz(a)anthracene	BRL		0.55	1.8	ug/Kg-dry	128371	1	04/23/2010 15:23	YH
Benzo(a)pyrene	BRL		0.55	1.8	ug/Kg-dry	128371	1	04/23/2010 15:23	YH
Benzo(b)fluoranthene	BRL		0.60	3.5	ug/Kg-dry	128371	1	04/23/2010 15:23	YH
Benzo(g,h,i)perylene	BRL		0.85	3.5	ug/Kg-dry	128371	1	04/23/2010 15:23	YH
Benzo(k)fluoranthene	BRL		0.65	1.8	ug/Kg-dry	128371	1	04/23/2010 15:23	YH
Chrysene	BRL		0.55	1.8	ug/Kg-dry	128371	1	04/23/2010 15:23	YH
Dibenz(a,h)anthracene	BRL		0.85	3.5	ug/Kg-dry	128371	1	04/23/2010 15:23	YH
Fluoranthene	BRL		0.60	3.5	ug/Kg-dry	128371	1	04/23/2010 15:23	YH
Fluorene	BRL		0.42	3.5	ug/Kg-dry	128371	1	04/23/2010 15:23	YH
Indeno(1,2,3-cd)pyrene	BRL		0.42	1.8	ug/Kg-dry	128371	1	04/23/2010 15:23	YH
Naphthalene	BRL		3.3	18	ug/Kg-dry	128371	1	04/23/2010 15:23	YH
Phenanthrene	BRL		0.55	1.8	ug/Kg-dry	128371	1	04/23/2010 15:23	YH
Pyrene	BRL		0.55	1.8	ug/Kg-dry	128371	1	04/23/2010 15:23	YH
Surr: 4-Terphenyl-d14	79		0	33.1-123	%REC	128371	1	04/23/2010 15:23	YH
PERCENT MOISTURE D2216									
Percent Moisture	6.81		0	0	wt%	R170611	1	04/28/2010 10:00	AS

Qualifiers:

* Value exceeds maximum contaminant level	E Estimated value above quantitation range
BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
N Analyte not NELAC certified	> Greater than Result value
B Analyte detected in the associated method blank	< Less than Result value

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Pace Work Order Number 1004 H11

Checklist completed by [signature] 4-22-10
Signature Date

Carrier name: FedEx ✓ UPS __ Courier __ Client __ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.5° Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes __ No __ Not Applicable ✓

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Analytical Environmental Services, Inc

Date: 28-Apr-10

Client: Pace Analytical Services, Inc.
Project: 9267829
Lab Order: 1004H11

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1004H11-001A	B-4-1	4/20/2010 10:10:00AM	Solid	Polynuclear Aromatic Hydrocarbons		04/22/2010	04/23/2010
1004H11-001A	B-4-1	4/20/2010 10:10:00AM	Solid	PERCENT MOISTURE			04/28/2010
1004H11-002A	B-5-1	4/20/2010 10:35:00AM	Solid	Polynuclear Aromatic Hydrocarbons		04/22/2010	04/23/2010
1004H11-002A	B-5-1	4/20/2010 10:35:00AM	Solid	PERCENT MOISTURE			04/28/2010
1004H11-003A	B-13-1	4/20/2010 1:15:00PM	Solid	Polynuclear Aromatic Hydrocarbons		04/22/2010	04/23/2010
1004H11-003A	B-13-1	4/20/2010 1:15:00PM	Solid	PERCENT MOISTURE			04/28/2010
1004H11-004A	B-18-1	4/20/2010 3:20:00PM	Solid	Polynuclear Aromatic Hydrocarbons		04/22/2010	04/23/2010
1004H11-004A	B-18-1	4/20/2010 3:20:00PM	Solid	PERCENT MOISTURE			04/28/2010

Client: Pace Analytical Services, Inc.
Project Name: 9267829
Workorder: 1004H11

ANALYTICAL QC SUMMARY REPORT

BatchID: 128371

Sample ID: **MB-128371** Client ID: Units: **ug/Kg** Prep Date: **04/22/2010** Run No: **170394**
SampleType: **MBLK** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **128371** Analysis Date: **04/23/2010** Seq No: **3538698**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	17	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	17	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	17	0	0	0	0	0	0	0	0	
Acenaphthylene	BRL	33	0	0	0	0	0	0	0	0	
Anthracene	BRL	1.7	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	1.7	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	1.7	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	3.3	0	0	0	0	0	0	0	0	
Benzo(g,h,i)perylene	BRL	3.3	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	1.7	0	0	0	0	0	0	0	0	
Chrysene	BRL	1.7	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	3.3	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	3.3	0	0	0	0	0	0	0	0	
Fluorene	BRL	3.3	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	1.7	0	0	0	0	0	0	0	0	
Naphthalene	BRL	17	0	0	0	0	0	0	0	0	
Phenanthrene	BRL	1.7	0	0	0	0	0	0	0	0	
Pyrene	BRL	1.7	0	0	0	0	0	0	0	0	
Surr: 4-Terphenyl-d14	53.33	0	66.7	0	80	33.1	123	0	0	0	

Sample ID: **LCS-128371** Client ID: Units: **ug/Kg** Prep Date: **04/22/2010** Run No: **170394**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **128371** Analysis Date: **04/23/2010** Seq No: **3538705**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	40.00	17	66.7	0	60	14	116	0	0	0	
2-Methylnaphthalene	41.33	17	66.7	0	62	20	115	0	0	0	
Acenaphthene	40.67	17	66.7	0	61	27.2	115	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Pace Analytical Services, Inc.
Project Name: 9267829
Workorder: 1004H11

ANALYTICAL QC SUMMARY REPORT

BatchID: 128371

Sample ID: **LCS-128371** Client ID: Units: **ug/Kg** Prep Date: **04/22/2010** Run No: **170394**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **128371** Analysis Date: **04/23/2010** Seq No: **3538705**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthylene	41.33	33	66.7	0	62	30.8	115	0	0	0	
Anthracene	41.00	1.7	66.7	0	61.5	34.1	115	0	0	0	
Benz(a)anthracene	46.33	1.7	66.7	0	69.5	27.2	129	0	0	0	
Benzo(a)pyrene	36.00	1.7	66.7	0	54	32.5	115	0	0	0	
Benzo(b)fluoranthene	41.67	3.3	66.7	0	62.5	27.1	125	0	0	0	
Benzo(g,h,i)perylene	38.67	3.3	66.7	0	58	39.6	119	0	0	0	
Benzo(k)fluoranthene	58.33	1.7	66.7	0	87.5	30.7	115	0	0	0	
Chrysene	49.33	1.7	66.7	0	74	42.3	115	0	0	0	
Dibenz(a,h)anthracene	37.00	3.3	66.7	0	55.5	38.4	115	0	0	0	
Fluoranthene	50.00	3.3	66.7	0	75	51.9	115	0	0	0	
Fluorene	45.33	3.3	66.7	0	68	31.7	115	0	0	0	
Indeno(1,2,3-cd)pyrene	39.67	1.7	66.7	0	59.5	47.7	115	0	0	0	
Naphthalene	40.00	17	66.7	0	60	17.2	115	0	0	0	
Phenanthrene	48.33	1.7	66.7	0	72.5	47.5	115	0	0	0	
Pyrene	49.00	1.7	66.7	0	73.5	49.7	115	0	0	0	
Surr: 4-Terphenyl-d14	48.00	0	66.7	0	72	33.1	123	0	0	0	

Sample ID: **1004F90-002AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **04/22/2010** Run No: **170394**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **128371** Analysis Date: **04/23/2010** Seq No: **3538716**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	50.39	20	79.4	0	63.5	14	116	0	0	0	
2-Methylnaphthalene	51.58	20	79.4	0	65	20	115	0	0	0	
Acenaphthene	50.00	20	79.4	0	63	10.2	115	0	0	0	
Acenaphthylene	53.57	39	79.4	0	67.5	8.29	115	0	0	0	
Anthracene	53.17	2.0	79.4	0	67	23.7	115	0	0	0	
Benz(a)anthracene	55.16	2.0	79.4	0	69.5	29.5	131	0	0	0	
Benzo(a)pyrene	51.19	2.0	79.4	0	64.5	36.7	116	0	0	0	

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Pace Analytical Services, Inc.
Project Name: 9267829
Workorder: 1004H11

ANALYTICAL QC SUMMARY REPORT

BatchID: 128371

Sample ID: **1004F90-002AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **04/22/2010** Run No: **170394**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **128371** Analysis Date: **04/23/2010** Seq No: **3538716**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(b)fluoranthene	50.00	3.9	79.4	0	63	32	118	0	0	0	
Benzo(g,h,i)perylene	48.41	3.9	79.4	0	61	30.8	128	0	0	0	
Benzo(k)fluoranthene	69.04	2.0	79.4	0	87	29.3	119	0	0	0	
Chrysene	57.93	2.0	79.4	0	73	39.2	115	0	0	0	
Dibenz(a,h)anthracene	46.43	3.9	79.4	0	58.5	40	115	0	0	0	
Fluoranthene	57.54	3.9	79.4	0	72.5	43.6	115	0	0	0	
Fluorene	54.76	3.9	79.4	0	69	16	115	0	0	0	
Indeno(1,2,3-cd)pyrene	49.60	2.0	79.4	0	62.5	45.4	115	0	0	0	
Naphthalene	51.19	20	79.4	0	64.5	5.7	115	0	0	0	
Phenanthrene	58.73	2.0	79.4	0	74	32.4	115	0	0	0	
Pyrene	56.74	2.0	79.4	0	71.5	42.1	115	0	0	0	
Surr: 4-Terphenyl-d14	53.97	0	79.4	0	68	33.1	123	0	0	0	

Sample ID: **1004F90-002AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **04/22/2010** Run No: **170394**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **128371** Analysis Date: **04/23/2010** Seq No: **3538718**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	51.58	20	79.4	0	65	14	116	50.39	2.33	52	
2-Methylnaphthalene	54.36	20	79.4	0	68.5	20	115	51.58	5.24	65	
Acenaphthene	51.58	20	79.4	0	65	10.2	115	50.00	3.12	79.1	
Acenaphthylene	53.57	39	79.4	0	67.5	8.29	115	53.57	0	77.6	
Anthracene	54.36	2.0	79.4	0	68.5	23.7	115	53.17	2.21	44.4	
Benz(a)anthracene	57.93	2.0	79.4	0	73	29.5	131	55.16	4.91	50.8	
Benzo(a)pyrene	52.77	2.0	79.4	0	66.5	36.7	116	51.19	3.05	31.5	
Benzo(b)fluoranthene	51.58	3.9	79.4	0	65	32	118	50.00	3.12	55.9	
Benzo(g,h,i)perylene	53.57	3.9	79.4	0	67.5	30.8	128	48.41	10.1	32.4	
Benzo(k)fluoranthene	72.62	2.0	79.4	0	91.5	29.3	119	69.04	5.04	55.3	
Chrysene	60.71	2.0	79.4	0	76.5	39.2	115	57.93	4.68	31.8	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Pace Analytical Services, Inc.
Project Name: 9267829
Workorder: 1004H11

ANALYTICAL QC SUMMARY REPORT

BatchID: 128371

Sample ID: **1004F90-002AMSD** Client ID:
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D**
Units: **ug/Kg-dry** Prep Date: **04/22/2010** Run No: **170394**
BatchID: **128371** Analysis Date: **04/23/2010** Seq No: **3538718**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dibenz(a,h)anthracene	50.79	3.9	79.4	0	64	40	115	46.43	8.98	31.9	
Fluoranthene	63.49	3.9	79.4	0	80	43.6	115	57.54	9.84	38.8	
Fluorene	57.14	3.9	79.4	0	72	16	115	54.76	4.26	87.2	
Indeno(1,2,3-cd)pyrene	54.36	2.0	79.4	0	68.5	45.4	115	49.60	9.16	33.3	
Naphthalene	54.36	20	79.4	0	68.5	5.7	115	51.19	6.02	61.8	
Phenanthrene	62.70	2.0	79.4	0	79	32.4	115	58.73	6.54	51.4	
Pyrene	61.11	2.0	79.4	0	77	42.1	115	56.74	7.41	37.3	
Surr: 4-Terphenyl-d14	59.12	0	79.4	0	74.5	33.1	123	53.97	0	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Pace Analytical®
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Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

May 14, 2010

Mr. Tom Varner
Potomac-Hudson Eng.
1161 Broad St.
Suite 318
Shrewsbury, NJ 07702

RE: Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Dear Mr. Varner:
Enclosed are the analytical results for sample(s) received by the laboratory on April 23, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Herring for
Brandon Helton
brandon.helton@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Charlotte Certification IDs
9800 Kincey Ave. - Ste 100 Huntersville, NC 28078
West Virginia Certification #: 357
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Tennessee Certification #: 04010
Virginia Certification #: 00213

Asheville Certification IDs
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Connecticut Certification #: PH-0106
Louisiana/LELAP Certification #: 03095
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
Pennsylvania Certification #: 68-03578
South Carolina Bioassay Certification #: 9903002
South Carolina Certification #: 9903001
Tennessee Certification #: 2980
Virginia Certification #: 00072
West Virginia Certification #: 356
Florida/NELAP Certification #: E87648

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SAMPLE SUMMARY

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9268051001	**B-29-1**	Solid	04/21/10 11:20	04/23/10 16:00
9268051002	**D-1**	Solid	04/21/10 11:20	04/23/10 16:00
9268051003	**B-29-2**	Solid	04/21/10 11:20	04/23/10 16:00

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SAMPLE ANALYTE COUNT

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9268051001	**B-29-1**	EPA 8015 Modified	RES	2	PASI-C
		EPA 8082	CAH	8	PASI-C
		EPA 6010	JMW	21	PASI-A
		EPA 7471	SHB	1	PASI-A
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9268051002	**D-1**	EPA 8015 Modified	RES	2	PASI-C
		EPA 8082	CAH	8	PASI-C
		EPA 6010	JMW	21	PASI-A
		EPA 7471	SHB	1	PASI-A
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
9268051003	**B-29-2**	EPA 8015 Modified	RES	2	PASI-C
		EPA 8082	CAH	8	PASI-C
		EPA 6010	JMW	21	PASI-A
		EPA 7471	SHB	1	PASI-A
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C

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PROJECT NARRATIVE

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Method: **EPA 8015 Modified**
Description: 8015 GCS THC-Diesel
Client: Potomac-Hudson Eng.
Date: May 14, 2010

General Information:
3 samples were analyzed for EPA 8015 Modified. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Method: **EPA 8082**
Description: 8082 GCS PCB SC
Client: Potomac-Hudson Eng.
Date: May 14, 2010

General Information:
3 samples were analyzed for EPA 8082. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3545 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Method: **EPA 6010**
Description: 6010 MET ICP
Client: Potomac-Hudson Eng.
Date: May 14, 2010

General Information:
3 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/6250

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 9267829001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 436513)
  - Aluminum
  - Antimony
  - Calcium
  - Cobalt
  - Iron
  - Lead
  - Magnesium
  - Manganese
  - Potassium
  - Vanadium
  - Zinc

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Method: **EPA 7471**
Description: 7471 Mercury
Client: Potomac-Hudson Eng.
Date: May 14, 2010

General Information:
3 samples were analyzed for EPA 7471. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MERP/2788

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 9268137001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 434607)
  - Mercury

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: MERP/2784

R1: RPD value was outside control limits.

- DUP (Lab ID: 433839)
  - Mercury

Additional Comments:

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PROJECT NARRATIVE

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Method: **EPA 8260**
Description: 8260/5035A SC Volatile Org
Client: Potomac-Hudson Eng.
Date: May 14, 2010

General Information:
3 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/10731

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 433612)
  - Vinyl acetate

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Sample: B-29-1 **Lab ID: 9268051001** Collected: 04/21/10 11:20 Received: 04/23/10 16:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	**6.5**	mg/kg	6.2	3.8	1	04/27/10 13:00	04/29/10 13:51	68334-30-5	
n-Pentacosane (S)	103	%	50-135		1	04/27/10 13:00	04/29/10 13:51	629-99-2	
8082 GCS PCB SC	Analytical Method: EPA 8082 Preparation Method: EPA 3545								
PCB-1016 (Aroclor 1016)	ND	ug/kg	8.7	8.7	1	04/28/10 09:00	04/29/10 14:02	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	18.5	18.5	1	04/28/10 09:00	04/29/10 14:02	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	18.5	18.5	1	04/28/10 09:00	04/29/10 14:02	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	18.5	18.5	1	04/28/10 09:00	04/29/10 14:02	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	18.5	18.5	1	04/28/10 09:00	04/29/10 14:02	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	18.5	18.5	1	04/28/10 09:00	04/29/10 14:02	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	7.4	7.4	1	04/28/10 09:00	04/29/10 14:02	11096-82-5	
Decachlorobiphenyl (S)	95	%	10-128		1	04/28/10 09:00	04/29/10 14:02	2051-24-3	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**29000**	mg/kg	213	55.0	20	05/03/10 15:10	05/05/10 12:03	7429-90-5	
Antimony	**1.2**	mg/kg	0.53	0.30	1	05/03/10 15:10	05/04/10 17:15	7440-36-0	
Arsenic	**2.9**	mg/kg	0.53	0.34	1	05/03/10 15:10	05/04/10 17:15	7440-38-2	
Beryllium	**0.29**	mg/kg	0.11	0.021	1	05/03/10 15:10	05/04/10 17:15	7440-41-7	
Cadmium	**1.4**	mg/kg	0.11	0.064	1	05/03/10 15:10	05/04/10 17:15	7440-43-9	
Calcium	**825**	mg/kg	10.7	2.8	1	05/03/10 15:10	05/04/10 17:15	7440-70-2	
Chromium	**20.0**	mg/kg	0.53	0.032	1	05/03/10 15:10	05/04/10 17:15	7440-47-3	
Cobalt	ND	mg/kg	0.53	0.15	1	05/03/10 15:10	05/04/10 17:15	7440-48-4	
Copper	**3.4**	mg/kg	0.53	0.043	1	05/03/10 15:10	05/04/10 17:15	7440-50-8	
Iron	**40600**	mg/kg	107	9.8	20	05/03/10 15:10	05/05/10 12:03	7439-89-6	
Lead	**25.3**	mg/kg	0.53	0.51	1	05/03/10 15:10	05/04/10 17:15	7439-92-1	
Magnesium	**195**	mg/kg	10.7	0.32	1	05/03/10 15:10	05/04/10 17:15	7439-95-4	
Manganese	**63.0**	mg/kg	0.53	0.032	1	05/03/10 15:10	05/04/10 17:15	7439-96-5	
Nickel	**4.8**	mg/kg	0.53	0.19	1	05/03/10 15:10	05/04/10 17:15	7440-02-0	
Potassium	**393J**	mg/kg	533	0.45	1	05/03/10 15:10	05/04/10 17:15	7440-09-7	
Selenium	ND	mg/kg	1.1	0.41	1	05/03/10 15:10	05/04/10 17:15	7782-49-2	
Silver	ND	mg/kg	0.53	0.032	1	05/03/10 15:10	05/04/10 17:15	7440-22-4	
Sodium	**61.2J**	mg/kg	533	0.66	1	05/03/10 15:10	05/04/10 17:15	7440-23-5	
Thallium	**0.45J**	mg/kg	1.1	0.28	1	05/03/10 15:10	05/04/10 17:15	7440-28-0	
Vanadium	**60.3**	mg/kg	0.53	0.043	1	05/03/10 15:10	05/04/10 17:15	7440-62-2	
Zinc	**11.3**	mg/kg	1.1	0.28	1	05/03/10 15:10	05/04/10 17:15	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.054**	mg/kg	0.0062	0.00012	1	04/27/10 09:55	04/28/10 18:24	7439-97-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
Acetone	**16.2J**	ug/kg	93.2	9.3	1		04/24/10 16:41	67-64-1	
Benzene	ND	ug/kg	4.7	1.5	1		04/24/10 16:41	71-43-2	
Bromobenzene	ND	ug/kg	4.7	1.9	1		04/24/10 16:41	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	1.6	1		04/24/10 16:41	74-97-5	

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Sample: B-29-1 **Lab ID: 9268051001** Collected: 04/21/10 11:20 Received: 04/23/10 16:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
Bromodichloromethane	ND	ug/kg	4.7	1.8	1		04/24/10 16:41	75-27-4	
Bromoform	ND	ug/kg	4.7	2.1	1		04/24/10 16:41	75-25-2	
Bromomethane	ND	ug/kg	9.3	2.3	1		04/24/10 16:41	74-83-9	
2-Butanone (MEK)	ND	ug/kg	93.2	2.7	1		04/24/10 16:41	78-93-3	
n-Butylbenzene	ND	ug/kg	4.7	1.7	1		04/24/10 16:41	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1.5	1		04/24/10 16:41	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.7	1.9	1		04/24/10 16:41	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.7	2.4	1		04/24/10 16:41	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1.8	1		04/24/10 16:41	108-90-7	
Chloroethane	ND	ug/kg	9.3	2.2	1		04/24/10 16:41	75-00-3	
Chloroform	ND	ug/kg	4.7	1.5	1		04/24/10 16:41	67-66-3	
Chloromethane	ND	ug/kg	9.3	2.2	1		04/24/10 16:41	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	1.6	1		04/24/10 16:41	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	1.7	1		04/24/10 16:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.7	3.4	1		04/24/10 16:41	96-12-8	
Dibromochloromethane	ND	ug/kg	4.7	1.7	1		04/24/10 16:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1.7	1		04/24/10 16:41	106-93-4	
Dibromomethane	ND	ug/kg	4.7	2.3	1		04/24/10 16:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1.8	1		04/24/10 16:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1.9	1		04/24/10 16:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1.6	1		04/24/10 16:41	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.3	3.4	1		04/24/10 16:41	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1.4	1		04/24/10 16:41	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	2.1	1		04/24/10 16:41	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1.7	1		04/24/10 16:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1.3	1		04/24/10 16:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1.8	1		04/24/10 16:41	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1.6	1		04/24/10 16:41	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1.8	1		04/24/10 16:41	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1.6	1		04/24/10 16:41	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1.4	1		04/24/10 16:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1.7	1		04/24/10 16:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1.4	1		04/24/10 16:41	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.7	1.6	1		04/24/10 16:41	108-20-3	
Ethylbenzene	ND	ug/kg	4.7	1.7	1		04/24/10 16:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1.9	1		04/24/10 16:41	87-68-3	
2-Hexanone	ND	ug/kg	46.6	3.6	1		04/24/10 16:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1.8	1		04/24/10 16:41	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1.6	1		04/24/10 16:41	99-87-6	
Methylene Chloride	ND	ug/kg	18.6	2.8	1		04/24/10 16:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.6	3.5	1		04/24/10 16:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1.4	1		04/24/10 16:41	1634-04-4	
Naphthalene	ND	ug/kg	4.7	1.1	1		04/24/10 16:41	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1.6	1		04/24/10 16:41	103-65-1	
Styrene	ND	ug/kg	4.7	1.7	1		04/24/10 16:41	100-42-5	

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Sample: B-29-1 **Lab ID: 9268051001** Collected: 04/21/10 11:20 Received: 04/23/10 16:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	2.0	1		04/24/10 16:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1.8	1		04/24/10 16:41	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1.6	1		04/24/10 16:41	127-18-4	
Toluene	ND	ug/kg	4.7	1.7	1		04/24/10 16:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	2.1	1		04/24/10 16:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1.5	1		04/24/10 16:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1.7	1		04/24/10 16:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	2.0	1		04/24/10 16:41	79-00-5	
Trichloroethene	ND	ug/kg	4.7	2.0	1		04/24/10 16:41	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	2.1	1		04/24/10 16:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1.5	1		04/24/10 16:41	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1.9	1		04/24/10 16:41	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1.7	1		04/24/10 16:41	108-67-8	
Vinyl acetate	ND	ug/kg	46.6	8.2	1		04/24/10 16:41	108-05-4	
Vinyl chloride	ND	ug/kg	9.3	1.7	1		04/24/10 16:41	75-01-4	
Xylene (Total)	ND	ug/kg	9.3	3.4	1		04/24/10 16:41	1330-20-7	
m&p-Xylene	ND	ug/kg	9.3	3.4	1		04/24/10 16:41	179601-23-1	
o-Xylene	ND	ug/kg	4.7	1.8	1		04/24/10 16:41	95-47-6	
Dibromofluoromethane (S)	100	%	70-130		1		04/24/10 16:41	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		04/24/10 16:41	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1		04/24/10 16:41	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		04/24/10 16:41	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.1**	%	0.10	0.10	1		04/27/10 18:58		

Sample: D-1 **Lab ID: 9268051002** Collected: 04/21/10 11:20 Received: 04/23/10 16:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	5.9	3.7	1	04/27/10 13:00	04/28/10 20:36	68334-30-5	
n-Pentacosane (S)	80	%	50-135		1	04/27/10 13:00	04/28/10 20:36	629-99-2	
8082 GCS PCB SC	Analytical Method: EPA 8082 Preparation Method: EPA 3545								
PCB-1016 (Aroclor 1016)	ND	ug/kg	8.2	8.2	1	04/28/10 09:00	04/29/10 14:25	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	17.7	17.7	1	04/28/10 09:00	04/29/10 14:25	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	17.7	17.7	1	04/28/10 09:00	04/29/10 14:25	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	17.7	17.7	1	04/28/10 09:00	04/29/10 14:25	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	17.7	17.7	1	04/28/10 09:00	04/29/10 14:25	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	17.7	17.7	1	04/28/10 09:00	04/29/10 14:25	11097-69-1	
PCB-1260 (Aroclor 1260)	**55.4**	ug/kg	7.1	7.1	1	04/28/10 09:00	04/29/10 14:25	11096-82-5	

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Sample: D-1 **Lab ID: 9268051002** Collected: 04/21/10 11:20 Received: 04/23/10 16:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SC	Analytical Method: EPA 8082 Preparation Method: EPA 3545								
Decachlorobiphenyl (S)	76	%	10-128		1	04/28/10 09:00	04/29/10 14:25	2051-24-3	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**28900**	mg/kg	218	56.3	20	05/03/10 15:10	05/05/10 12:07	7429-90-5	
Antimony	**0.96**	mg/kg	0.55	0.31	1	05/03/10 15:10	05/04/10 17:20	7440-36-0	
Arsenic	**3.0**	mg/kg	0.55	0.35	1	05/03/10 15:10	05/04/10 17:20	7440-38-2	
Beryllium	**0.30**	mg/kg	0.11	0.022	1	05/03/10 15:10	05/04/10 17:20	7440-41-7	
Cadmium	**1.0**	mg/kg	0.11	0.065	1	05/03/10 15:10	05/04/10 17:20	7440-43-9	
Calcium	**1040**	mg/kg	10.9	2.8	1	05/03/10 15:10	05/04/10 17:20	7440-70-2	
Chromium	**20.6**	mg/kg	0.55	0.033	1	05/03/10 15:10	05/04/10 17:20	7440-47-3	
Cobalt	ND	mg/kg	0.55	0.15	1	05/03/10 15:10	05/04/10 17:20	7440-48-4	
Copper	**3.6**	mg/kg	0.55	0.044	1	05/03/10 15:10	05/04/10 17:20	7440-50-8	
Iron	**37600**	mg/kg	109	10.0	20	05/03/10 15:10	05/05/10 12:07	7439-89-6	
Lead	**23.5**	mg/kg	0.55	0.52	1	05/03/10 15:10	05/04/10 17:20	7439-92-1	
Magnesium	**198**	mg/kg	10.9	0.33	1	05/03/10 15:10	05/04/10 17:20	7439-95-4	
Manganese	**55.6**	mg/kg	0.55	0.033	1	05/03/10 15:10	05/04/10 17:20	7439-96-5	
Nickel	**4.8**	mg/kg	0.55	0.20	1	05/03/10 15:10	05/04/10 17:20	7440-02-0	
Potassium	**381J**	mg/kg	546	0.46	1	05/03/10 15:10	05/04/10 17:20	7440-09-7	
Selenium	**0.53J**	mg/kg	1.1	0.41	1	05/03/10 15:10	05/04/10 17:20	7782-49-2	
Silver	ND	mg/kg	0.55	0.033	1	05/03/10 15:10	05/04/10 17:20	7440-22-4	
Sodium	**72.7J**	mg/kg	546	0.68	1	05/03/10 15:10	05/04/10 17:20	7440-23-5	
Thallium	**0.39J**	mg/kg	1.1	0.28	1	05/03/10 15:10	05/04/10 17:20	7440-28-0	
Vanadium	**58.8**	mg/kg	0.55	0.044	1	05/03/10 15:10	05/04/10 17:20	7440-62-2	
Zinc	**10.9**	mg/kg	1.1	0.28	1	05/03/10 15:10	05/04/10 17:20	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.069**	mg/kg	0.0042	0.000084	1	04/30/10 10:55	04/30/10 17:30	7439-97-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
Acetone	**19.1J**	ug/kg	90.1	9.0	1		04/24/10 16:59	67-64-1	
Benzene	ND	ug/kg	4.5	1.4	1		04/24/10 16:59	71-43-2	
Bromobenzene	ND	ug/kg	4.5	1.8	1		04/24/10 16:59	108-86-1	
Bromochloromethane	ND	ug/kg	4.5	1.5	1		04/24/10 16:59	74-97-5	
Bromodichloromethane	ND	ug/kg	4.5	1.7	1		04/24/10 16:59	75-27-4	
Bromoform	ND	ug/kg	4.5	2.1	1		04/24/10 16:59	75-25-2	
Bromomethane	ND	ug/kg	9.0	2.3	1		04/24/10 16:59	74-83-9	
2-Butanone (MEK)	ND	ug/kg	90.1	2.6	1		04/24/10 16:59	78-93-3	
n-Butylbenzene	ND	ug/kg	4.5	1.6	1		04/24/10 16:59	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.5	1.4	1		04/24/10 16:59	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.5	1.8	1		04/24/10 16:59	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.5	2.3	1		04/24/10 16:59	56-23-5	
Chlorobenzene	ND	ug/kg	4.5	1.7	1		04/24/10 16:59	108-90-7	
Chloroethane	ND	ug/kg	9.0	2.2	1		04/24/10 16:59	75-00-3	
Chloroform	ND	ug/kg	4.5	1.4	1		04/24/10 16:59	67-66-3	
Chloromethane	ND	ug/kg	9.0	2.2	1		04/24/10 16:59	74-87-3	

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Sample: D-1 **Lab ID: 9268051002** Collected: 04/21/10 11:20 Received: 04/23/10 16:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
2-Chlorotoluene	ND	ug/kg	4.5	1.5	1		04/24/10 16:59	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.5	1.6	1		04/24/10 16:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.5	3.2	1		04/24/10 16:59	96-12-8	
Dibromochloromethane	ND	ug/kg	4.5	1.6	1		04/24/10 16:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.5	1.6	1		04/24/10 16:59	106-93-4	
Dibromomethane	ND	ug/kg	4.5	2.3	1		04/24/10 16:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.5	1.7	1		04/24/10 16:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.5	1.8	1		04/24/10 16:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.5	1.5	1		04/24/10 16:59	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.0	3.2	1		04/24/10 16:59	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.5	1.4	1		04/24/10 16:59	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.5	2.0	1		04/24/10 16:59	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.5	1.6	1		04/24/10 16:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.5	1.3	1		04/24/10 16:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.5	1.7	1		04/24/10 16:59	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.5	1.5	1		04/24/10 16:59	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.5	1.7	1		04/24/10 16:59	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.5	1.5	1		04/24/10 16:59	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.5	1.4	1		04/24/10 16:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.5	1.6	1		04/24/10 16:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.5	1.4	1		04/24/10 16:59	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.5	1.5	1		04/24/10 16:59	108-20-3	
Ethylbenzene	ND	ug/kg	4.5	1.6	1		04/24/10 16:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.5	1.8	1		04/24/10 16:59	87-68-3	
2-Hexanone	ND	ug/kg	45.0	3.5	1		04/24/10 16:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.5	1.7	1		04/24/10 16:59	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.5	1.5	1		04/24/10 16:59	99-87-6	
Methylene Chloride	ND	ug/kg	18.0	2.7	1		04/24/10 16:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	45.0	3.3	1		04/24/10 16:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.5	1.4	1		04/24/10 16:59	1634-04-4	
Naphthalene	ND	ug/kg	4.5	1.1	1		04/24/10 16:59	91-20-3	
n-Propylbenzene	ND	ug/kg	4.5	1.5	1		04/24/10 16:59	103-65-1	
Styrene	ND	ug/kg	4.5	1.6	1		04/24/10 16:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.5	1.9	1		04/24/10 16:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.5	1.7	1		04/24/10 16:59	79-34-5	
Tetrachloroethene	ND	ug/kg	4.5	1.5	1		04/24/10 16:59	127-18-4	
Toluene	ND	ug/kg	4.5	1.6	1		04/24/10 16:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.5	2.0	1		04/24/10 16:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.5	1.4	1		04/24/10 16:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.5	1.6	1		04/24/10 16:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.5	1.9	1		04/24/10 16:59	79-00-5	
Trichloroethene	ND	ug/kg	4.5	1.9	1		04/24/10 16:59	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.5	2.0	1		04/24/10 16:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.5	1.4	1		04/24/10 16:59	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.5	1.8	1		04/24/10 16:59	95-63-6	

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Sample: D-1 **Lab ID: 9268051002** Collected: 04/21/10 11:20 Received: 04/23/10 16:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
1,3,5-Trimethylbenzene	ND	ug/kg	4.5	1.6	1		04/24/10 16:59	108-67-8	
Vinyl acetate	ND	ug/kg	45.0	7.9	1		04/24/10 16:59	108-05-4	
Vinyl chloride	ND	ug/kg	9.0	1.6	1		04/24/10 16:59	75-01-4	
Xylene (Total)	ND	ug/kg	9.0	3.2	1		04/24/10 16:59	1330-20-7	
m&p-Xylene	ND	ug/kg	9.0	3.2	1		04/24/10 16:59	179601-23-1	
o-Xylene	ND	ug/kg	4.5	1.7	1		04/24/10 16:59	95-47-6	
Dibromofluoromethane (S)	101	%	70-130		1		04/24/10 16:59	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		04/24/10 16:59	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		04/24/10 16:59	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		04/24/10 16:59	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.1**	%	0.10	0.10	1		04/27/10 18:58		

Sample: B-29-2 **Lab ID: 9268051003** Collected: 04/21/10 11:20 Received: 04/23/10 16:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	5.2	3.2	1	04/27/10 13:00	04/29/10 14:19	68334-30-5	
n-Pentacosane (S)	73	%	50-135		1	04/27/10 13:00	04/29/10 14:19	629-99-2	
8082 GCS PCB SC	Analytical Method: EPA 8082 Preparation Method: EPA 3545								
PCB-1016 (Aroclor 1016)	ND	ug/kg	7.3	7.3	1	04/28/10 09:00	04/29/10 14:47	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	15.7	15.7	1	04/28/10 09:00	04/29/10 14:47	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	15.7	15.7	1	04/28/10 09:00	04/29/10 14:47	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	15.7	15.7	1	04/28/10 09:00	04/29/10 14:47	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	15.7	15.7	1	04/28/10 09:00	04/29/10 14:47	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	15.7	15.7	1	04/28/10 09:00	04/29/10 14:47	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	6.3	6.3	1	04/28/10 09:00	04/29/10 14:47	11096-82-5	
Decachlorobiphenyl (S)	81	%	10-128		1	04/28/10 09:00	04/29/10 14:47	2051-24-3	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**17000**	mg/kg	183	47.2	20	05/03/10 15:10	05/05/10 12:11	7429-90-5	
Antimony	**0.59**	mg/kg	0.46	0.26	1	05/03/10 15:10	05/04/10 17:25	7440-36-0	
Arsenic	**0.94**	mg/kg	0.46	0.29	1	05/03/10 15:10	05/04/10 17:25	7440-38-2	
Beryllium	**0.42**	mg/kg	0.092	0.018	1	05/03/10 15:10	05/04/10 17:25	7440-41-7	
Cadmium	**0.18**	mg/kg	0.092	0.055	1	05/03/10 15:10	05/04/10 17:25	7440-43-9	
Calcium	**277**	mg/kg	9.2	2.4	1	05/03/10 15:10	05/04/10 17:25	7440-70-2	
Chromium	**14.2**	mg/kg	0.46	0.027	1	05/03/10 15:10	05/04/10 17:25	7440-47-3	
Cobalt	**1.0**	mg/kg	0.46	0.13	1	05/03/10 15:10	05/04/10 17:25	7440-48-4	
Copper	**3.0**	mg/kg	0.46	0.037	1	05/03/10 15:10	05/04/10 17:25	7440-50-8	

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Sample: B-29-2 **Lab ID: 9268051003** Collected: 04/21/10 11:20 Received: 04/23/10 16:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Iron	**19000**	mg/kg	91.5	8.4	20	05/03/10 15:10	05/05/10 12:11	7439-89-6	
Lead	**8.2**	mg/kg	0.46	0.44	1	05/03/10 15:10	05/04/10 17:25	7439-92-1	
Magnesium	**1800**	mg/kg	9.2	0.27	1	05/03/10 15:10	05/04/10 17:25	7439-95-4	
Manganese	**166**	mg/kg	0.46	0.027	1	05/03/10 15:10	05/04/10 17:25	7439-96-5	
Nickel	**4.6**	mg/kg	0.46	0.16	1	05/03/10 15:10	05/04/10 17:25	7440-02-0	
Potassium	**3750**	mg/kg	458	0.38	1	05/03/10 15:10	05/04/10 17:25	7440-09-7	
Selenium	**0.43J**	mg/kg	0.92	0.35	1	05/03/10 15:10	05/04/10 17:25	7782-49-2	
Silver	ND	mg/kg	0.46	0.027	1	05/03/10 15:10	05/04/10 17:25	7440-22-4	
Sodium	**179J**	mg/kg	458	0.57	1	05/03/10 15:10	05/04/10 17:25	7440-23-5	
Thallium	**0.82J**	mg/kg	0.92	0.24	1	05/03/10 15:10	05/04/10 17:25	7440-28-0	
Vanadium	**22.0**	mg/kg	0.46	0.037	1	05/03/10 15:10	05/04/10 17:25	7440-62-2	
Zinc	**35.2**	mg/kg	0.92	0.24	1	05/03/10 15:10	05/04/10 17:25	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.014**	mg/kg	0.0036	0.000073	1	04/30/10 10:55	04/30/10 17:32	7439-97-6	
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	112	11.2	1		04/24/10 17:17	67-64-1	
Benzene	ND	ug/kg	5.6	1.8	1		04/24/10 17:17	71-43-2	
Bromobenzene	ND	ug/kg	5.6	2.2	1		04/24/10 17:17	108-86-1	
Bromochloromethane	ND	ug/kg	5.6	1.9	1		04/24/10 17:17	74-97-5	
Bromodichloromethane	ND	ug/kg	5.6	2.1	1		04/24/10 17:17	75-27-4	
Bromoform	ND	ug/kg	5.6	2.6	1		04/24/10 17:17	75-25-2	
Bromomethane	ND	ug/kg	11.2	2.8	1		04/24/10 17:17	74-83-9	
2-Butanone (MEK)	ND	ug/kg	112	3.3	1		04/24/10 17:17	78-93-3	
n-Butylbenzene	ND	ug/kg	5.6	2.0	1		04/24/10 17:17	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.6	1.8	1		04/24/10 17:17	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.6	2.2	1		04/24/10 17:17	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.6	2.9	1		04/24/10 17:17	56-23-5	
Chlorobenzene	ND	ug/kg	5.6	2.1	1		04/24/10 17:17	108-90-7	
Chloroethane	ND	ug/kg	11.2	2.7	1		04/24/10 17:17	75-00-3	
Chloroform	ND	ug/kg	5.6	1.8	1		04/24/10 17:17	67-66-3	
Chloromethane	ND	ug/kg	11.2	2.7	1		04/24/10 17:17	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.6	1.9	1		04/24/10 17:17	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.6	2.0	1		04/24/10 17:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.6	4.0	1		04/24/10 17:17	96-12-8	
Dibromochloromethane	ND	ug/kg	5.6	2.0	1		04/24/10 17:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.6	2.0	1		04/24/10 17:17	106-93-4	
Dibromomethane	ND	ug/kg	5.6	2.8	1		04/24/10 17:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.6	2.1	1		04/24/10 17:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.6	2.2	1		04/24/10 17:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.6	1.9	1		04/24/10 17:17	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.2	4.0	1		04/24/10 17:17	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.6	1.7	1		04/24/10 17:17	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.6	2.5	1		04/24/10 17:17	107-06-2	

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Sample: B-29-2 **Lab ID: 9268051003** Collected: 04/21/10 11:20 Received: 04/23/10 16:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A SC Volatile Org	Analytical Method: EPA 8260								
1,1-Dichloroethene	ND	ug/kg	5.6	2.0	1		04/24/10 17:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.6	1.6	1		04/24/10 17:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.6	2.1	1		04/24/10 17:17	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.6	1.9	1		04/24/10 17:17	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.6	2.1	1		04/24/10 17:17	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.6	1.9	1		04/24/10 17:17	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.6	1.7	1		04/24/10 17:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.6	2.0	1		04/24/10 17:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.6	1.7	1		04/24/10 17:17	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.6	1.9	1		04/24/10 17:17	108-20-3	
Ethylbenzene	ND	ug/kg	5.6	2.0	1		04/24/10 17:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.6	2.2	1		04/24/10 17:17	87-68-3	
2-Hexanone	ND	ug/kg	56.2	4.4	1		04/24/10 17:17	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.6	2.1	1		04/24/10 17:17	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.6	1.9	1		04/24/10 17:17	99-87-6	
Methylene Chloride	ND	ug/kg	22.5	3.4	1		04/24/10 17:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	56.2	4.2	1		04/24/10 17:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.6	1.7	1		04/24/10 17:17	1634-04-4	
Naphthalene	ND	ug/kg	5.6	1.3	1		04/24/10 17:17	91-20-3	
n-Propylbenzene	ND	ug/kg	5.6	1.9	1		04/24/10 17:17	103-65-1	
Styrene	ND	ug/kg	5.6	2.0	1		04/24/10 17:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.6	2.4	1		04/24/10 17:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.6	2.1	1		04/24/10 17:17	79-34-5	
Tetrachloroethene	ND	ug/kg	5.6	1.9	1		04/24/10 17:17	127-18-4	
Toluene	ND	ug/kg	5.6	2.0	1		04/24/10 17:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.6	2.5	1		04/24/10 17:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.6	1.8	1		04/24/10 17:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.6	2.0	1		04/24/10 17:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.6	2.4	1		04/24/10 17:17	79-00-5	
Trichloroethene	ND	ug/kg	5.6	2.4	1		04/24/10 17:17	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.6	2.5	1		04/24/10 17:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.6	1.8	1		04/24/10 17:17	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.6	2.2	1		04/24/10 17:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.6	2.0	1		04/24/10 17:17	108-67-8	
Vinyl acetate	ND	ug/kg	56.2	9.9	1		04/24/10 17:17	108-05-4	
Vinyl chloride	ND	ug/kg	11.2	2.0	1		04/24/10 17:17	75-01-4	
Xylene (Total)	ND	ug/kg	11.2	4.0	1		04/24/10 17:17	1330-20-7	
m&p-Xylene	ND	ug/kg	11.2	4.0	1		04/24/10 17:17	179601-23-1	
o-Xylene	ND	ug/kg	5.6	2.1	1		04/24/10 17:17	95-47-6	
Dibromofluoromethane (S)	110	%	70-130		1		04/24/10 17:17	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		04/24/10 17:17	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		1		04/24/10 17:17	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%	70-130		1		04/24/10 17:17	17060-07-0	

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Sample: B-29-2 **Lab ID: 9268051003** Collected: 04/21/10 11:20 Received: 04/23/10 16:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.2**	%	0.10	0.10	1		04/27/10 18:59		

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

QC Batch: OEXT/9836 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 9268051001, 9268051002, 9268051003

METHOD BLANK: 434203 Matrix: Solid
Associated Lab Samples: 9268051001, 9268051002, 9268051003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	04/28/10 11:21	
n-Pentacosane (S)	%	91	50-135	04/28/10 11:21	

LABORATORY CONTROL SAMPLE: 434204

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/kg	167	152	91	50-114	
n-Pentacosane (S)	%			101	50-135	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 434205 434206

Parameter	Units	9268101001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diesel Components	mg/kg	61.2	207	207	259	190	96	63	50-107	30	30	
n-Pentacosane (S)	%						94	74	50-135			

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

QC Batch: OEXT/9843 Analysis Method: EPA 8082
QC Batch Method: EPA 3545 Analysis Description: 8082 GCS PCB SC
Associated Lab Samples: 9268051001, 9268051002, 9268051003

METHOD BLANK: 434660 Matrix: Solid
Associated Lab Samples: 9268051001, 9268051002, 9268051003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	7.0	04/29/10 13:18	
PCB-1221 (Aroclor 1221)	ug/kg	ND	15.0	04/29/10 13:18	
PCB-1232 (Aroclor 1232)	ug/kg	ND	15.0	04/29/10 13:18	
PCB-1242 (Aroclor 1242)	ug/kg	ND	15.0	04/29/10 13:18	
PCB-1248 (Aroclor 1248)	ug/kg	ND	15.0	04/29/10 13:18	
PCB-1254 (Aroclor 1254)	ug/kg	ND	15.0	04/29/10 13:18	
PCB-1260 (Aroclor 1260)	ug/kg	ND	6.0	04/29/10 13:18	
Decachlorobiphenyl (S)	%	72	10-128	04/29/10 13:18	

LABORATORY CONTROL SAMPLE: 434661

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	164	98	42-137	
PCB-1260 (Aroclor 1260)	ug/kg	167	168	101	46-140	
Decachlorobiphenyl (S)	%			101	10-128	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

QC Batch: MPRP/6250 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 9268051001, 9268051002, 9268051003

METHOD BLANK: 436511 Matrix: Solid
Associated Lab Samples: 9268051001, 9268051002, 9268051003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	10.0	05/04/10 13:13	
Antimony	mg/kg	ND	0.50	05/04/10 13:13	
Arsenic	mg/kg	ND	0.50	05/04/10 13:13	
Beryllium	mg/kg	ND	0.10	05/04/10 13:13	
Cadmium	mg/kg	ND	0.10	05/04/10 13:13	
Calcium	mg/kg	ND	10.0	05/04/10 13:13	
Chromium	mg/kg	0.20J	0.50	05/04/10 13:13	
Cobalt	mg/kg	ND	0.50	05/04/10 13:13	
Copper	mg/kg	ND	0.50	05/04/10 13:13	
Iron	mg/kg	8.8	5.0	05/04/10 13:13	P8
Lead	mg/kg	ND	0.50	05/04/10 13:13	
Magnesium	mg/kg	0.50J	10.0	05/04/10 13:13	
Manganese	mg/kg	0.10J	0.50	05/04/10 13:13	
Nickel	mg/kg	ND	0.50	05/04/10 13:13	
Potassium	mg/kg	3.4J	500	05/04/10 13:13	
Selenium	mg/kg	ND	1.0	05/04/10 13:13	
Silver	mg/kg	ND	0.50	05/04/10 13:13	
Sodium	mg/kg	18.3J	500	05/04/10 13:13	
Thallium	mg/kg	ND	1.0	05/04/10 13:13	
Vanadium	mg/kg	ND	0.50	05/04/10 13:13	
Zinc	mg/kg	0.92J	1.0	05/04/10 13:13	

LABORATORY CONTROL SAMPLE: 436512

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	507	101	80-120	
Antimony	mg/kg	50	50.4	101	80-120	
Arsenic	mg/kg	50	51.6	103	80-120	
Beryllium	mg/kg	50	53.7	107	80-120	
Cadmium	mg/kg	50	52.6	105	80-120	
Calcium	mg/kg	500	535	107	80-120	
Chromium	mg/kg	50	52.9	106	80-120	
Cobalt	mg/kg	50	52.8	106	80-120	
Copper	mg/kg	50	52.0	104	80-120	
Iron	mg/kg	500	535	107	80-120	
Lead	mg/kg	50	52.5	105	80-120	
Magnesium	mg/kg	500	518	104	80-120	
Manganese	mg/kg	50	53.4	107	80-120	
Nickel	mg/kg	50	52.8	106	80-120	
Potassium	mg/kg	500	522	104	80-120	
Selenium	mg/kg	50	53.2	106	80-120	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

LABORATORY CONTROL SAMPLE: 436512

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Silver	mg/kg	25	24.2	97	80-120	
Sodium	mg/kg	500	497J	99	80-120	
Thallium	mg/kg	50	50.6	101	80-120	
Vanadium	mg/kg	50	52.8	106	80-120	
Zinc	mg/kg	50	52.6	105	80-120	

MATRIX SPIKE SAMPLE: 436513

Parameter	Units	9267829001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	21500	457	29700	1792	75-125	M0
Antimony	mg/kg	0.64	45.7	29.7	64	75-125	M0
Arsenic	mg/kg	2.4	45.7	41.9	87	75-125	
Beryllium	mg/kg	0.31	45.7	42.3	92	75-125	
Cadmium	mg/kg	1.3	45.7	40.9	87	75-125	
Calcium	mg/kg	1500	457	5110	791	75-125	M0
Chromium	mg/kg	14.5	45.7	59.1	98	75-125	
Cobalt	mg/kg	ND	45.7	31.2	68	75-125	M0
Copper	mg/kg	5.9	45.7	51.4	99	75-125	
Iron	mg/kg	21000	457	18000	-648	75-125	M0
Lead	mg/kg	66.3	45.7	145	172	75-125	M0
Magnesium	mg/kg	432	457	1070	140	75-125	M0
Manganese	mg/kg	72.1	45.7	159	191	75-125	M0
Nickel	mg/kg	4.6	45.7	44.6	88	75-125	
Potassium	mg/kg	759	457	1740	214	75-125	M0
Selenium	mg/kg	ND	45.7	37.4	81	75-125	
Silver	mg/kg	ND	22.8	19.7	86	75-125	
Sodium	mg/kg	101J	457	649	120	75-125	
Thallium	mg/kg	0.48J	45.7	34.6	75	75-125	
Vanadium	mg/kg	50.0	45.7	82.3	71	75-125	M0
Zinc	mg/kg	91.8	45.7	314	486	75-125	M0

SAMPLE DUPLICATE: 436514

Parameter	Units	9267829002 Result	Dup Result	RPD	Max RPD	Qualifiers
Aluminum	mg/kg	15900	14700	8	20	
Antimony	mg/kg	0.73	0.31J		20	
Arsenic	mg/kg	2.0	1.9	3	20	
Beryllium	mg/kg	0.29	0.27	4	20	
Cadmium	mg/kg	0.71	0.76	7	20	
Calcium	mg/kg	206	219	6	20	
Chromium	mg/kg	12.2	10.9	11	20	
Cobalt	mg/kg	1.4	1.5	8	20	
Copper	mg/kg	3.8	3.8	1	20	
Iron	mg/kg	20000	18700	7	20	
Lead	mg/kg	30.5	28.4	7	20	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

SAMPLE DUPLICATE: 436514

Parameter	Units	9267829002 Result	Dup Result	RPD	Max RPD	Qualifiers
Magnesium	mg/kg	471	513	8	20	
Manganese	mg/kg	51.9	51.6	1	20	
Nickel	mg/kg	4.3	4.3	1	20	
Potassium	mg/kg	898	1010	11	20	
Selenium	mg/kg	ND	0.55J		20	
Silver	mg/kg	ND	ND		20	
Sodium	mg/kg	62.3J	69.9J		20	
Thallium	mg/kg	0.50J	0.42J		20	
Vanadium	mg/kg	42.7	40.5	5	20	
Zinc	mg/kg	13.3	15.1	12	20	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

QC Batch: MERP/2784
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Associated Lab Samples: 9268051001

METHOD BLANK: 433836 Matrix: Solid
Associated Lab Samples: 9268051001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	0.00032J	0.0050	04/28/10 15:18	

LABORATORY CONTROL SAMPLE: 433837

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.066	99	80-120	

MATRIX SPIKE SAMPLE: 433838

Parameter	Units	9267900004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.017	.05	0.055	76	75-125	

SAMPLE DUPLICATE: 433839

Parameter	Units	9267900005 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.0096	0.016	48	20	R1

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

QC Batch: MERP/2788
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Associated Lab Samples: 9268051002, 9268051003

METHOD BLANK: 434605 Matrix: Solid
Associated Lab Samples: 9268051002, 9268051003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	04/30/10 17:20	

LABORATORY CONTROL SAMPLE: 434606

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.073	110	80-120	

MATRIX SPIKE SAMPLE: 434607

Parameter	Units	9268137001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	ND	.042	0.014	34	75-125	M0

SAMPLE DUPLICATE: 435847

Parameter	Units	9268051003 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.014	0.013	7	20	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

QC Batch: MSV/10731 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 9268051001, 9268051002, 9268051003

METHOD BLANK: 433611 Matrix: Solid
Associated Lab Samples: 9268051001, 9268051002, 9268051003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	04/24/10 11:47	
1,1,1-Trichloroethane	ug/kg	ND	5.0	04/24/10 11:47	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	04/24/10 11:47	
1,1,2-Trichloroethane	ug/kg	ND	5.0	04/24/10 11:47	
1,1-Dichloroethane	ug/kg	ND	5.0	04/24/10 11:47	
1,1-Dichloroethene	ug/kg	ND	5.0	04/24/10 11:47	
1,1-Dichloropropene	ug/kg	ND	5.0	04/24/10 11:47	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	04/24/10 11:47	
1,2,3-Trichloropropane	ug/kg	ND	5.0	04/24/10 11:47	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	04/24/10 11:47	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	04/24/10 11:47	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	04/24/10 11:47	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	04/24/10 11:47	
1,2-Dichlorobenzene	ug/kg	ND	5.0	04/24/10 11:47	
1,2-Dichloroethane	ug/kg	ND	5.0	04/24/10 11:47	
1,2-Dichloropropane	ug/kg	ND	5.0	04/24/10 11:47	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	04/24/10 11:47	
1,3-Dichlorobenzene	ug/kg	ND	5.0	04/24/10 11:47	
1,3-Dichloropropane	ug/kg	ND	5.0	04/24/10 11:47	
1,4-Dichlorobenzene	ug/kg	ND	5.0	04/24/10 11:47	
2,2-Dichloropropane	ug/kg	ND	5.0	04/24/10 11:47	
2-Butanone (MEK)	ug/kg	ND	100	04/24/10 11:47	
2-Chlorotoluene	ug/kg	ND	5.0	04/24/10 11:47	
2-Hexanone	ug/kg	ND	50.0	04/24/10 11:47	
4-Chlorotoluene	ug/kg	ND	5.0	04/24/10 11:47	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	04/24/10 11:47	
Acetone	ug/kg	ND	100	04/24/10 11:47	
Benzene	ug/kg	ND	5.0	04/24/10 11:47	
Bromobenzene	ug/kg	ND	5.0	04/24/10 11:47	
Bromochloromethane	ug/kg	ND	5.0	04/24/10 11:47	
Bromodichloromethane	ug/kg	ND	5.0	04/24/10 11:47	
Bromoform	ug/kg	ND	5.0	04/24/10 11:47	
Bromomethane	ug/kg	ND	10.0	04/24/10 11:47	
Carbon tetrachloride	ug/kg	ND	5.0	04/24/10 11:47	
Chlorobenzene	ug/kg	ND	5.0	04/24/10 11:47	
Chloroethane	ug/kg	ND	10.0	04/24/10 11:47	
Chloroform	ug/kg	ND	5.0	04/24/10 11:47	
Chloromethane	ug/kg	ND	10.0	04/24/10 11:47	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	04/24/10 11:47	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	04/24/10 11:47	
Dibromochloromethane	ug/kg	ND	5.0	04/24/10 11:47	
Dibromomethane	ug/kg	ND	5.0	04/24/10 11:47	
Dichlorodifluoromethane	ug/kg	ND	10.0	04/24/10 11:47	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

METHOD BLANK: 433611 Matrix: Solid

Associated Lab Samples: 9268051001, 9268051002, 9268051003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.0	04/24/10 11:47	
Ethylbenzene	ug/kg	ND	5.0	04/24/10 11:47	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	04/24/10 11:47	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	04/24/10 11:47	
m&p-Xylene	ug/kg	ND	10.0	04/24/10 11:47	
Methyl-tert-butyl ether	ug/kg	ND	5.0	04/24/10 11:47	
Methylene Chloride	ug/kg	ND	20.0	04/24/10 11:47	
n-Butylbenzene	ug/kg	ND	5.0	04/24/10 11:47	
n-Propylbenzene	ug/kg	ND	5.0	04/24/10 11:47	
Naphthalene	ug/kg	ND	5.0	04/24/10 11:47	
o-Xylene	ug/kg	ND	5.0	04/24/10 11:47	
p-Isopropyltoluene	ug/kg	ND	5.0	04/24/10 11:47	
sec-Butylbenzene	ug/kg	ND	5.0	04/24/10 11:47	
Styrene	ug/kg	ND	5.0	04/24/10 11:47	
tert-Butylbenzene	ug/kg	ND	5.0	04/24/10 11:47	
Tetrachloroethene	ug/kg	ND	5.0	04/24/10 11:47	
Toluene	ug/kg	ND	5.0	04/24/10 11:47	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	04/24/10 11:47	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	04/24/10 11:47	
Trichloroethene	ug/kg	ND	5.0	04/24/10 11:47	
Trichlorofluoromethane	ug/kg	ND	5.0	04/24/10 11:47	
Vinyl acetate	ug/kg	ND	50.0	04/24/10 11:47	
Vinyl chloride	ug/kg	ND	10.0	04/24/10 11:47	
Xylene (Total)	ug/kg	ND	10.0	04/24/10 11:47	
1,2-Dichloroethane-d4 (S)	%	106	70-130	04/24/10 11:47	
4-Bromofluorobenzene (S)	%	97	70-130	04/24/10 11:47	
Dibromofluoromethane (S)	%	108	70-130	04/24/10 11:47	
Toluene-d8 (S)	%	102	70-130	04/24/10 11:47	

LABORATORY CONTROL SAMPLE: 433612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	47.2	94	70-130	
1,1,1-Trichloroethane	ug/kg	50	48.4	97	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	50	46.0	92	70-130	
1,1,2-Trichloroethane	ug/kg	50	49.0	98	70-130	
1,1-Dichloroethane	ug/kg	50	50.4	101	70-130	
1,1-Dichloroethene	ug/kg	50	46.9	94	70-130	
1,1-Dichloropropene	ug/kg	50	46.7	93	70-130	
1,2,3-Trichlorobenzene	ug/kg	50	56.1	112	70-130	
1,2,3-Trichloropropane	ug/kg	50	48.4	97	70-130	
1,2,4-Trichlorobenzene	ug/kg	50	57.1	114	70-130	
1,2,4-Trimethylbenzene	ug/kg	50	50.1	100	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	50	46.5	93	70-130	
1,2-Dibromoethane (EDB)	ug/kg	50	47.4	95	70-130	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

LABORATORY CONTROL SAMPLE: 433612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	50	50.8	102	70-130	
1,2-Dichloroethane	ug/kg	50	46.4	93	70-130	
1,2-Dichloropropane	ug/kg	50	47.1	94	70-130	
1,3,5-Trimethylbenzene	ug/kg	50	50.8	102	70-130	
1,3-Dichlorobenzene	ug/kg	50	50.6	101	70-130	
1,3-Dichloropropane	ug/kg	50	47.6	95	70-130	
1,4-Dichlorobenzene	ug/kg	50	50.9	102	70-130	
2,2-Dichloropropane	ug/kg	50	49.6	99	70-130	
2-Butanone (MEK)	ug/kg	100	94.7J	95	70-130	
2-Chlorotoluene	ug/kg	50	49.8	100	70-130	
2-Hexanone	ug/kg	100	92.9	93	70-130	
4-Chlorotoluene	ug/kg	50	52.5	105	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	97.0	97	70-130	
Acetone	ug/kg	100	103	103	70-130	
Benzene	ug/kg	50	47.8	96	70-130	
Bromobenzene	ug/kg	50	49.9	100	70-130	
Bromochloromethane	ug/kg	50	49.1	98	70-130	
Bromodichloromethane	ug/kg	50	45.9	92	70-130	
Bromoform	ug/kg	50	45.0	90	70-130	
Bromomethane	ug/kg	50	48.8	98	70-130	
Carbon tetrachloride	ug/kg	50	48.9	98	70-130	
Chlorobenzene	ug/kg	50	48.9	98	70-130	
Chloroethane	ug/kg	50	51.0	102	70-130	
Chloroform	ug/kg	50	47.6	95	70-130	
Chloromethane	ug/kg	50	46.1	92	70-130	
cis-1,2-Dichloroethene	ug/kg	50	49.8	100	70-130	
cis-1,3-Dichloropropene	ug/kg	50	49.2	98	70-130	
Dibromochloromethane	ug/kg	50	46.9	94	70-130	
Dibromomethane	ug/kg	50	48.4	97	70-130	
Dichlorodifluoromethane	ug/kg	50	38.4	77	70-130	
Diisopropyl ether	ug/kg	50	47.8	96	70-130	
Ethylbenzene	ug/kg	50	49.3	99	70-130	
Hexachloro-1,3-butadiene	ug/kg	50	51.0	102	70-130	
Isopropylbenzene (Cumene)	ug/kg	50	48.8	98	70-130	
m&p-Xylene	ug/kg	100	101	101	70-130	
Methyl-tert-butyl ether	ug/kg	50	47.7	95	70-130	
Methylene Chloride	ug/kg	50	44.2	88	70-130	
n-Butylbenzene	ug/kg	50	53.0	106	70-130	
n-Propylbenzene	ug/kg	50	52.4	105	70-130	
Naphthalene	ug/kg	50	50.7	101	70-130	
o-Xylene	ug/kg	50	50.4	101	70-130	
p-Isopropyltoluene	ug/kg	50	49.7	99	70-130	
sec-Butylbenzene	ug/kg	50	51.9	104	70-130	
Styrene	ug/kg	50	47.1	94	70-130	
tert-Butylbenzene	ug/kg	50	49.2	98	70-130	
Tetrachloroethene	ug/kg	50	49.6	99	70-130	
Toluene	ug/kg	50	47.9	96	70-130	
trans-1,2-Dichloroethene	ug/kg	50	47.0	94	70-130	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

LABORATORY CONTROL SAMPLE: 433612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	50	47.6	95	70-130	
Trichloroethene	ug/kg	50	49.5	99	70-130	
Trichlorofluoromethane	ug/kg	50	47.9	96	70-130	
Vinyl acetate	ug/kg	100	131	131	70-130	L3
Vinyl chloride	ug/kg	50	44.5	89	70-130	
Xylene (Total)	ug/kg	150	152	101	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 433654

Parameter	Units	9268061001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg			45.1			
1,1,1-Trichloroethane	ug/kg			42.8			
1,1,2,2-Tetrachloroethane	ug/kg			38.5			
1,1,2-Trichloroethane	ug/kg			44.1			
1,1-Dichloroethane	ug/kg			48.1			
1,1-Dichloroethene	ug/kg			45.8			
1,1-Dichloropropene	ug/kg			44.7			
1,2,3-Trichlorobenzene	ug/kg			45.6			
1,2,3-Trichloropropane	ug/kg			39.8			
1,2,4-Trichlorobenzene	ug/kg			47.0			
1,2,4-Trimethylbenzene	ug/kg			48.2			
1,2-Dibromo-3-chloropropane	ug/kg			35.1			
1,2-Dibromoethane (EDB)	ug/kg			40.8			
1,2-Dichlorobenzene	ug/kg			45.0			
1,2-Dichloroethane	ug/kg			42.0			
1,2-Dichloropropane	ug/kg			45.7			
1,3,5-Trimethylbenzene	ug/kg			48.6			
1,3-Dichlorobenzene	ug/kg			46.2			
1,3-Dichloropropane	ug/kg			41.1			
1,4-Dichlorobenzene	ug/kg			45.2			
2,2-Dichloropropane	ug/kg			44.1			
2-Butanone (MEK)	ug/kg			72.2J			
2-Chlorotoluene	ug/kg			46.8			
2-Hexanone	ug/kg			75.2			
4-Chlorotoluene	ug/kg			48.5			
4-Methyl-2-pentanone (MIBK)	ug/kg			79.5			
Acetone	ug/kg			83.9J			
Benzene	ug/kg	ND	49.1	47.4	96	70-130	
Bromobenzene	ug/kg			44.2			
Bromochloromethane	ug/kg			44.1			
Bromodichloromethane	ug/kg			43.9			
Bromoform	ug/kg			38.8			
Bromomethane	ug/kg			45.2			

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

MATRIX SPIKE SAMPLE: 433654

Parameter	Units	9268061001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg			52.8			
Chlorobenzene	ug/kg			46.9			
Chloroethane	ug/kg			46.7			
Chloroform	ug/kg			41.1			
Chloromethane	ug/kg			42.3			
cis-1,2-Dichloroethene	ug/kg			43.7			
cis-1,3-Dichloropropene	ug/kg			46.4			
Dibromochloromethane	ug/kg			42.5			
Dibromomethane	ug/kg			44.8			
Dichlorodifluoromethane	ug/kg			36.3			
Diisopropyl ether	ug/kg			45.3			
Ethylbenzene	ug/kg	ND	49.1	50.3	101	70-130	
Hexachloro-1,3-butadiene	ug/kg			44.5			
Isopropylbenzene (Cumene)	ug/kg			48.8			
m&p-Xylene	ug/kg	ND	98.2	103	103	70-130	
Methyl-tert-butyl ether	ug/kg	ND	49.1	41.4	84	70-130	
Methylene Chloride	ug/kg			40.1			
n-Butylbenzene	ug/kg			49.9			
n-Propylbenzene	ug/kg			50.6			
Naphthalene	ug/kg	ND	49.1	43.7	89	70-130	
o-Xylene	ug/kg	ND	49.1	50.5	102	70-130	
p-Isopropyltoluene	ug/kg			47.3			
sec-Butylbenzene	ug/kg			49.2			
Styrene	ug/kg			44.8			
tert-Butylbenzene	ug/kg			47.2			
Tetrachloroethene	ug/kg			50.7			
Toluene	ug/kg	11.7	49.1	62.4	103	70-130	
trans-1,2-Dichloroethene	ug/kg			45.6			
trans-1,3-Dichloropropene	ug/kg			43.0			
Trichloroethene	ug/kg			50.7			
Trichlorofluoromethane	ug/kg			47.1			
Vinyl acetate	ug/kg			103			
Vinyl chloride	ug/kg			42.5			
1,2-Dichloroethane-d4 (S)	%				94	70-130	
4-Bromofluorobenzene (S)	%				102	70-130	
Dibromofluoromethane (S)	%				92	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 433655

Parameter	Units	9268051001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

SAMPLE DUPLICATE: 433655

Parameter	Units	9268051001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	16.2J	11.3J		30	
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Diisopropyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	4.1J		30	
o-Xylene	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

SAMPLE DUPLICATE: 433655

Parameter	Units	9268051001 Result	Dup Result	RPD	Max RPD	Qualifiers
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	ND		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	106	100	11		
4-Bromofluorobenzene (S)	%	100	96	9		
Dibromofluoromethane (S)	%	100	104	1		
Toluene-d8 (S)	%	103	101	6		

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

QC Batch: PMST/3157 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 9268051001, 9268051002, 9268051003

SAMPLE DUPLICATE: 434048

Parameter	Units	9268043005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.9	21.2	3	25	

SAMPLE DUPLICATE: 434049

Parameter	Units	9268070002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.4	20.9	2	25	

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(704)875-9092

QUALIFIERS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P8	Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.
R1	RPD value was outside control limits.

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(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268051

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
9268051001	**B-29-1**	EPA 3546	OEXT/9836	EPA 8015 Modified	GCSV/7551
9268051002	**D-1**	EPA 3546	OEXT/9836	EPA 8015 Modified	GCSV/7551
9268051003	**B-29-2**	EPA 3546	OEXT/9836	EPA 8015 Modified	GCSV/7551
9268051001	**B-29-1**	EPA 3545	OEXT/9843	EPA 8082	GCSV/7555
9268051002	**D-1**	EPA 3545	OEXT/9843	EPA 8082	GCSV/7555
9268051003	**B-29-2**	EPA 3545	OEXT/9843	EPA 8082	GCSV/7555
9268051001	**B-29-1**	EPA 3050	MPRP/6250	EPA 6010	ICP/5765
9268051002	**D-1**	EPA 3050	MPRP/6250	EPA 6010	ICP/5765
9268051003	**B-29-2**	EPA 3050	MPRP/6250	EPA 6010	ICP/5765
9268051001	**B-29-1**	EPA 7471	MERP/2784	EPA 7471	MERC/2749
9268051002	**D-1**	EPA 7471	MERP/2788	EPA 7471	MERC/2755
9268051003	**B-29-2**	EPA 7471	MERP/2788	EPA 7471	MERC/2755
9268051001	**B-29-1**	EPA 8260	MSV/10731		
9268051002	**D-1**	EPA 8260	MSV/10731		
9268051003	**B-29-2**	EPA 8260	MSV/10731		
9268051001	**B-29-1**	ASTM D2974-87	PMST/3157		
9268051002	**D-1**	ASTM D2974-87	PMST/3157		
9268051003	**B-29-2**	ASTM D2974-87	PMST/3157		

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1381063

Section A Required Client Information:

Company: Potomac-Hudson Eng.
Address: 1161 Broad St. Suite 318, Shrewsbury, NJ
Email To: tomv@phe.com
Phone: 732.578.9078 Fax: 732.578.0192
Requested Due Date/TAT: 2

Section B Required Project Information:

Report To: Tom Varner
Copy To:
Purchase Order No.:
Project Name: GSA-Greenville
Project Number: 1203-002

Section C Invoice Information:

Attention: SAME
Company Name:
Address:
Pace Quote Reference: 920329010.400
Pace Project Manager: B. Helton
Pace Profile #: 3766-1

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☒ UST ☐ RCRA ☐ OTHER

Site Location STATE: SC

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: TCL VOCs	MTBE	PAH - SIMS (TCL)	Pesticides (TCL)	PCBs (TCL)	TAL Metals	TPH DRO	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	B-29-1	SL	G	4/21/10	11:20	4/21/10	11:20		7	4					2	1		X	X	X	X	X	X	X		9268051
2	D-1	SL	G	4/21/10	11:20	4/21/10	11:20		7	4					2	1		X	X	X	X	X	X	X		001
3	B-29-2	SL	G	4/21/10	11:20	4/21/10	11:20		7	4					2	1		X	X	X	X	X	X	X		002
4																										003
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
ALL MDLs to meet DHEC Standards/action levels	Tom Varner	4/22/10	8:30		4/22/10	8:20				
	Beaver	04/23/10	1340		04/23/10	1340				
		04/23/10	1600	FPAC	4/23/10	1600	4.2	Y	N	Y
Prep Via Method 3550 for DRO										

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical

Sample Condition Upon Receipt

Client Name: _____ Project # 9268051

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used T060 Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 4.2 Biological Tissue is Frozen: Yes No (N/A)

Temp should be above freezing to 6°C

Optional
Proj. Due Date: N/A
Proj. Name: N/A

Date and initials of person examining contents: EDB 4/23/10

Comments:

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☑No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☑Yes ☐No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SL		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): N/A		

Client Notification/ Resolution:

Field Data Required? Y / N / N/A

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: BMH Date: 4-23-10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

May 04, 2010

Brandon Helton
Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville NC 28078

TEL: (704) 875-9092
FAX: (704) 875-9091

RE: 9268051

Dear Brandon Helton: Order No: 1004K46

Analytical Environmental Services, Inc. received 3 samples on 4/27/2010 10:45:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/09-06/30/10.
-AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/11.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Janice Winn-Shilling
Project Manager

1004K46

Chain of Custody

Pace Analytical
www.pacelabs.com

Workorder: 9268051 Workorder Name: GSA-GREENVILLE 1203-002 Results Requested 5/7/2010

Report / Invoice To	Subcontract To
Brandon Helton Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092 Email: brandon.helton@pacelabs.com	AES P.O. CHSD0905

Requested Analysis

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers	PAH SIM + UST PAH	Pest by 8081	LAB USE ONLY
1	B-29-1	4/21/2010 11:20	9268051001	Solid				
2	D-1	4/21/2010 11:20	9268051002	Solid				
3	B-29-2	4/21/2010 11:20	9268051003	Solid				
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Brandon Helton - PACE	4-23-10 1700 (26)	FedEx	4-23-10 1700 (26)
2	FedEx	(26)	Mail	4-27-10 1045
3				
4				
5				

Comments

PAH SIM by 8270

* SC Sampled *

Analytical Environmental Services, Inc

Date: 14-May-10

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	B-29-1
Project Name:	9268051	**Collection Date:**	4/21/2010 11:20:00 AM
Lab ID:	1004K46-001	**Matrix:**	Solid

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D					**(SW3550C)**				
1-Methylnaphthalene	BRL		3.0	21	ug/Kg-dry	128660	1	04/29/2010 16:04	YH
2-Methylnaphthalene	BRL		3.2	21	ug/Kg-dry	128660	1	04/29/2010 16:04	YH
Acenaphthene	BRL		3.0	21	ug/Kg-dry	128660	1	04/29/2010 16:04	YH
Acenaphthylene	BRL		6.8	40	ug/Kg-dry	128660	1	04/29/2010 16:04	YH
Anthracene	2.9		0.48	2.1	ug/Kg-dry	128660	1	04/29/2010 16:04	YH
Benz(a)anthracene	22		0.62	2.1	ug/Kg-dry	128660	1	04/29/2010 16:04	YH
Benzo(a)pyrene	21		0.62	2.1	ug/Kg-dry	128660	1	04/29/2010 16:04	YH
Benzo(b)fluoranthene	35		0.68	4.0	ug/Kg-dry	128660	1	04/29/2010 16:04	YH
Benzo(g,h,i)perylene	19		0.97	4.0	ug/Kg-dry	128660	1	04/29/2010 16:04	YH
Benzo(k)fluoranthene	18		0.74	2.1	ug/Kg-dry	128660	1	04/29/2010 16:04	YH
Chrysene	31		0.63	2.1	ug/Kg-dry	128660	1	04/29/2010 16:04	YH
Dibenz(a,h)anthracene	1.2	J	0.97	4.0	ug/Kg-dry	128660	1	04/29/2010 16:04	YH
Fluoranthene	75		0.68	4.0	ug/Kg-dry	128660	1	04/29/2010 16:04	YH
Fluorene	BRL		0.48	4.0	ug/Kg-dry	128660	1	04/29/2010 16:04	YH
Indeno(1,2,3-cd)pyrene	18		0.48	2.1	ug/Kg-dry	128660	1	04/29/2010 16:04	YH
Naphthalene	BRL		3.8	21	ug/Kg-dry	128660	1	04/29/2010 16:04	YH
Phenanthrene	26		0.63	2.1	ug/Kg-dry	128660	1	04/29/2010 16:04	YH
Pyrene	53		0.63	2.1	ug/Kg-dry	128660	1	04/29/2010 16:04	YH
Surr: 4-Terphenyl-d14	93.5		0	33.1-123	%REC	128660	1	04/29/2010 16:04	YH
CHLORINATED PESTICIDES, TCL SW8081B					**(SW3550C)**				
4,4´-DDD	BRL		0.91	4.1	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
4,4´-DDE	BRL		0.88	4.1	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
4,4´-DDT	BRL		1.0	4.1	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
Aldrin	BRL		0.29	2.0	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
alpha-BHC	BRL		0.32	2.0	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
alpha-Chlordane	BRL		0.39	2.0	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
beta-BHC	BRL		1.8	2.0	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
delta-BHC	BRL		0.36	2.0	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
Dieldrin	BRL		0.98	4.1	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
Endosulfan I	BRL		0.52	2.0	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
Endosulfan II	BRL		0.77	4.1	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
Endosulfan sulfate	BRL		1.0	4.1	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
Endrin	BRL		0.93	4.1	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
Endrin aldehyde	BRL		0.87	4.1	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
Endrin ketone	BRL		1.0	4.1	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
gamma-BHC	BRL		0.30	4.1	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
gamma-Chlordane	BRL		0.44	2.0	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
Heptachlor	BRL		0.53	2.0	ug/Kg-dry	128635	1	05/03/2010 16:27	KD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value

Analytical Environmental Services, Inc **Date:** 14-May-10

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	B-29-1
Project Name:	9268051	**Collection Date:**	4/21/2010 11:20:00 AM
Lab ID:	1004K46-001	**Matrix:**	Solid

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES, TCL SW8081B (SW3550C)									
Heptachlor epoxide	BRL		0.34	2.0	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
Methoxychlor	BRL		5.9	20	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
Toxaphene	BRL		13	200	ug/Kg-dry	128635	1	05/03/2010 16:27	KD
Surr: Decachlorobiphenyl	84.5		0	31.9-146	%REC	128635	1	05/03/2010 16:27	KD
Surr: Tetrachloro-m-xylene	83.1		0	26-118	%REC	128635	1	05/03/2010 16:27	KD
PERCENT MOISTURE D2216									
Percent Moisture	18.5		0	0	wt%	R170750	1	04/29/2010 19:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value

Analytical Environmental Services, Inc **Date:** 14-May-10

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	D-1
Project Name:	9268051	**Collection Date:**	4/21/2010 11:20:00 AM
Lab ID:	1004K46-002	**Matrix:**	Solid

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D					**(SW3550C)**				
1-Methylnaphthalene	BRL		3.0	21	ug/Kg-dry	128660	1	04/29/2010 16:29	YH
2-Methylnaphthalene	BRL		3.2	21	ug/Kg-dry	128660	1	04/29/2010 16:29	YH
Acenaphthene	BRL		3.0	21	ug/Kg-dry	128660	1	04/29/2010 16:29	YH
Acenaphthylene	BRL		6.8	41	ug/Kg-dry	128660	1	04/29/2010 16:29	YH
Anthracene	4.5		0.49	2.1	ug/Kg-dry	128660	1	04/29/2010 16:29	YH
Benz(a)anthracene	35		0.63	2.1	ug/Kg-dry	128660	1	04/29/2010 16:29	YH
Benzo(a)pyrene	35		0.63	2.1	ug/Kg-dry	128660	1	04/29/2010 16:29	YH
Benzo(b)fluoranthene	70		0.69	4.1	ug/Kg-dry	128660	1	04/29/2010 16:29	YH
Benzo(g,h,i)perylene	32		0.98	4.1	ug/Kg-dry	128660	1	04/29/2010 16:29	YH
Benzo(k)fluoranthene	18		0.75	2.1	ug/Kg-dry	128660	1	04/29/2010 16:29	YH
Chrysene	51		0.63	2.1	ug/Kg-dry	128660	1	04/29/2010 16:29	YH
Dibenz(a,h)anthracene	2.1	J	0.98	4.1	ug/Kg-dry	128660	1	04/29/2010 16:29	YH
Fluoranthene	120		0.69	4.1	ug/Kg-dry	128660	1	04/29/2010 16:29	YH
Fluorene	2.5	J	0.49	4.1	ug/Kg-dry	128660	1	04/29/2010 16:29	YH
Indeno(1,2,3-cd)pyrene	29		0.49	2.1	ug/Kg-dry	128660	1	04/29/2010 16:29	YH
Naphthalene	BRL		3.8	21	ug/Kg-dry	128660	1	04/29/2010 16:29	YH
Phenanthrene	39		0.63	2.1	ug/Kg-dry	128660	1	04/29/2010 16:29	YH
Pyrene	83		0.63	2.1	ug/Kg-dry	128660	1	04/29/2010 16:29	YH
Surr: 4-Terphenyl-d14	94.5		0	33.1-123	%REC	128660	1	04/29/2010 16:29	YH
CHLORINATED PESTICIDES, TCL SW8081B					**(SW3550C)**				
4,4´-DDD	BRL		0.92	4.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
4,4´-DDE	BRL		0.89	4.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
4,4´-DDT	BRL		1.0	4.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
Aldrin	BRL		0.29	2.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
alpha-BHC	BRL		0.32	2.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
alpha-Chlordane	BRL		0.39	2.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
beta-BHC	BRL		1.8	2.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
delta-BHC	BRL		0.36	2.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
Dieldrin	BRL		0.98	4.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
Endosulfan I	BRL		0.52	2.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
Endosulfan II	BRL		0.78	4.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
Endosulfan sulfate	BRL		1.0	4.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
Endrin	BRL		0.93	4.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
Endrin aldehyde	BRL		0.88	4.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
Endrin ketone	BRL		1.0	4.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
gamma-BHC	BRL		0.30	4.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
gamma-Chlordane	BRL		0.44	2.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
Heptachlor	BRL		0.53	2.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value

Analytical Environmental Services, Inc **Date:** 14-May-10

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	D-1
Project Name:	9268051	**Collection Date:**	4/21/2010 11:20:00 AM
Lab ID:	1004K46-002	**Matrix:**	Solid

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES, TCL SW8081B (SW3550C)									
Heptachlor epoxide	BRL		0.34	2.1	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
Methoxychlor	BRL		6.0	21	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
Toxaphene	BRL		13	210	ug/Kg-dry	128635	1	05/03/2010 16:38	KD
Surr: Decachlorobiphenyl	85.4		0	31.9-146	%REC	128635	1	05/03/2010 16:38	KD
Surr: Tetrachloro-m-xylene	76.9		0	26-118	%REC	128635	1	05/03/2010 16:38	KD
PERCENT MOISTURE D2216									
Percent Moisture	18.9		0	0	wt%	R170750	1	04/29/2010 19:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value

Analytical Environmental Services, Inc **Date:** 14-May-10

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	B-29-2
Project Name:	9268051	**Collection Date:**	4/21/2010 11:20:00 AM
Lab ID:	1004K46-003	**Matrix:**	Solid

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D					**(SW3550C)**				
1-Methylnaphthalene	BRL		3.0	21	ug/Kg-dry	128660	1	04/29/2010 16:55	YH
2-Methylnaphthalene	BRL		3.2	21	ug/Kg-dry	128660	1	04/29/2010 16:55	YH
Acenaphthene	BRL		3.0	21	ug/Kg-dry	128660	1	04/29/2010 16:55	YH
Acenaphthylene	BRL		6.7	40	ug/Kg-dry	128660	1	04/29/2010 16:55	YH
Anthracene	BRL		0.48	2.1	ug/Kg-dry	128660	1	04/29/2010 16:55	YH
Benz(a)anthracene	0.81	J	0.62	2.1	ug/Kg-dry	128660	1	04/29/2010 16:55	YH
Benzo(a)pyrene	0.81	J	0.62	2.1	ug/Kg-dry	128660	1	04/29/2010 16:55	YH
Benzo(b)fluoranthene	1.6	J	0.68	4.0	ug/Kg-dry	128660	1	04/29/2010 16:55	YH
Benzo(g,h,i)perylene	1.6	J	0.96	4.0	ug/Kg-dry	128660	1	04/29/2010 16:55	YH
Benzo(k)fluoranthene	0.81	J	0.73	2.1	ug/Kg-dry	128660	1	04/29/2010 16:55	YH
Chrysene	1.2	J	0.62	2.1	ug/Kg-dry	128660	1	04/29/2010 16:55	YH
Dibenz(a,h)anthracene	BRL		0.96	4.0	ug/Kg-dry	128660	1	04/29/2010 16:55	YH
Fluoranthene	2.4	J	0.68	4.0	ug/Kg-dry	128660	1	04/29/2010 16:55	YH
Fluorene	BRL		0.48	4.0	ug/Kg-dry	128660	1	04/29/2010 16:55	YH
Indeno(1,2,3-cd)pyrene	1.2	J	0.48	2.1	ug/Kg-dry	128660	1	04/29/2010 16:55	YH
Naphthalene	BRL		3.7	21	ug/Kg-dry	128660	1	04/29/2010 16:55	YH
Phenanthrene	1.2	J	0.62	2.1	ug/Kg-dry	128660	1	04/29/2010 16:55	YH
Pyrene	1.6	J	0.62	2.1	ug/Kg-dry	128660	1	04/29/2010 16:55	YH
Surr: 4-Terphenyl-d14	75.5		0	33.1-123	%REC	128660	1	04/29/2010 16:55	YH
CHLORINATED PESTICIDES, TCL SW8081B					**(SW3550C)**				
4,4´-DDD	BRL		0.91	4.1	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
4,4´-DDE	BRL		0.88	4.1	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
4,4´-DDT	BRL		1.0	4.1	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
Aldrin	BRL		0.29	2.0	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
alpha-BHC	BRL		0.32	2.0	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
alpha-Chlordane	BRL		0.39	2.0	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
beta-BHC	BRL		1.8	2.0	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
delta-BHC	BRL		0.35	2.0	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
Dieldrin	BRL		0.97	4.1	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
Endosulfan I	BRL		0.52	2.0	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
Endosulfan II	BRL		0.77	4.1	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
Endosulfan sulfate	BRL		1.0	4.1	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
Endrin	BRL		0.92	4.1	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
Endrin aldehyde	BRL		0.87	4.1	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
Endrin ketone	BRL		1.0	4.1	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
gamma-BHC	BRL		0.30	4.1	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
gamma-Chlordane	BRL		0.44	2.0	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
Heptachlor	BRL		0.52	2.0	ug/Kg-dry	128635	1	05/03/2010 15:11	KD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value

Analytical Environmental Services, Inc **Date:** 14-May-10

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	B-29-2
Project Name:	9268051	**Collection Date:**	4/21/2010 11:20:00 AM
Lab ID:	1004K46-003	**Matrix:**	Solid

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES, TCL SW8081B (SW3550C)									
Heptachlor epoxide	BRL		0.34	2.0	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
Methoxychlor	BRL		5.9	20	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
Toxaphene	BRL		13	200	ug/Kg-dry	128635	1	05/03/2010 15:11	KD
Surr: Decachlorobiphenyl	75.8		0	31.9-146	%REC	128635	1	05/03/2010 15:11	KD
Surr: Tetrachloro-m-xylene	63.6		0	26-118	%REC	128635	1	05/03/2010 15:11	KD
PERCENT MOISTURE D2216									
Percent Moisture	18.0		0	0	wt%	R170750	1	04/29/2010 19:00	AS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Pace Work Order Number 1004K46

Checklist completed by Signature 4/27/10 Date

Carrier name: FedEx ✓ UPS __ Courier __ Client __ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.5°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes __ No __ Not Applicable ✓

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Analytical Environmental Services, Inc

Date: 4-May-10

Client: Pace Analytical Services, Inc.
Project: 9268051
Lab Order: 1004K46

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1004K46-001A	B-29-1	4/21/2010 11:20:00AM	Solid	TCL-CHLORINATED PESTICIDES		04/28/2010	05/03/2010
1004K46-001A	B-29-1	4/21/2010 11:20:00AM	Solid	Polynuclear Aromatic Hydrocarbons		04/29/2010	04/29/2010
1004K46-001A	B-29-1	4/21/2010 11:20:00AM	Solid	PERCENT MOISTURE			04/29/2010
1004K46-002A	D-1	4/21/2010 11:20:00AM	Solid	TCL-CHLORINATED PESTICIDES		04/28/2010	05/03/2010
1004K46-002A	D-1	4/21/2010 11:20:00AM	Solid	Polynuclear Aromatic Hydrocarbons		04/29/2010	04/29/2010
1004K46-002A	D-1	4/21/2010 11:20:00AM	Solid	PERCENT MOISTURE			04/29/2010
1004K46-003A	B-29-2	4/21/2010 11:20:00AM	Solid	TCL-CHLORINATED PESTICIDES		04/28/2010	05/03/2010
1004K46-003A	B-29-2	4/21/2010 11:20:00AM	Solid	Polynuclear Aromatic Hydrocarbons		04/29/2010	04/29/2010
1004K46-003A	B-29-2	4/21/2010 11:20:00AM	Solid	PERCENT MOISTURE			04/29/2010

Client: Pace Analytical Services, Inc.
Project Name: 9268051
Workorder: 1004K46

ANALYTICAL QC SUMMARY REPORT

BatchID: 128635

Sample ID: **MB-128635** Client ID: Units: **ug/Kg** Prep Date: **04/28/2010** Run No: **170962**
SampleType: **MBLK** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **128635** Analysis Date: **05/03/2010** Seq No: **3550134**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDD	BRL	3.3	0	0	0	0	0	0	0	0	
4,4´-DDE	BRL	3.3	0	0	0	0	0	0	0	0	
4,4´-DDT	BRL	3.3	0	0	0	0	0	0	0	0	
Aldrin	BRL	1.7	0	0	0	0	0	0	0	0	
alpha-BHC	BRL	1.7	0	0	0	0	0	0	0	0	
alpha-Chlordane	BRL	1.7	0	0	0	0	0	0	0	0	
beta-BHC	BRL	1.7	0	0	0	0	0	0	0	0	
delta-BHC	BRL	1.7	0	0	0	0	0	0	0	0	
Dieldrin	BRL	3.3	0	0	0	0	0	0	0	0	
Endosulfan I	BRL	1.7	0	0	0	0	0	0	0	0	
Endosulfan II	BRL	3.3	0	0	0	0	0	0	0	0	
Endosulfan sulfate	BRL	3.3	0	0	0	0	0	0	0	0	
Endrin	BRL	3.3	0	0	0	0	0	0	0	0	
Endrin aldehyde	BRL	3.3	0	0	0	0	0	0	0	0	
Endrin ketone	BRL	3.3	0	0	0	0	0	0	0	0	
gamma-BHC	BRL	3.3	0	0	0	0	0	0	0	0	
gamma-Chlordane	BRL	1.7	0	0	0	0	0	0	0	0	
Heptachlor	BRL	1.7	0	0	0	0	0	0	0	0	
Heptachlor epoxide	BRL	1.7	0	0	0	0	0	0	0	0	
Methoxychlor	BRL	17	0	0	0	0	0	0	0	0	
Toxaphene	BRL	170	0	0	0	0	0	0	0	0	
Surr: Decachlorobiphenyl	15.49	0	16.67	0	92.9	31.9	146	0	0	0	
Surr: Tetrachloro-m-xylene	12.28	0	16.67	0	73.6	26	118	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Pace Analytical Services, Inc.
Project Name: 9268051
Workorder: 1004K46

ANALYTICAL QC SUMMARY REPORT

BatchID: 128635

Sample ID: **LCS-128635** Client ID: Units: **ug/Kg** Prep Date: **04/28/2010** Run No: **170962**
SampleType: **LCS** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **128635** Analysis Date: **05/03/2010** Seq No: **3550136**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	40.28	3.3	41.67	0	96.7	42.9	120	0	0	0	
Aldrin	12.28	1.7	16.67	0	73.7	40.3	113	0	0	0	
Dieldrin	38.35	3.3	41.67	0	92	51	120	0	0	0	
Endrin	39.01	3.3	41.67	0	93.6	46.2	124	0	0	0	
gamma-BHC	13.65	3.3	16.67	0	81.9	42.1	117	0	0	0	
Heptachlor	14.11	1.7	16.67	0	84.6	36.9	119	0	0	0	
Surr: Decachlorobiphenyl	15.52	0	16.67	0	93.1	31.9	146	0	0	0	
Surr: Tetrachloro-m-xylene	11.86	0	16.67	0	71.1	26	118	0	0	0	

Sample ID: **1004K46-003AMS** Client ID: **B-29-2** Units: **ug/Kg-dry** Prep Date: **04/28/2010** Run No: **170962**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **128635** Analysis Date: **05/03/2010** Seq No: **3550148**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	51.24	4.1	50.71	0	101	18.1	144	0	0	0	
Aldrin	16.16	2.0	20.29	0	79.6	31.8	131	0	0	0	
Dieldrin	49.51	4.1	50.71	0	97.6	37	135	0	0	0	
Endrin	51.31	4.1	50.71	0	101	32.7	139	0	0	0	
gamma-BHC	18.68	4.1	20.29	0	92.1	31.1	135	0	0	0	
Heptachlor	19.20	2.0	20.29	0	94.6	38.2	119	0	0	0	
Surr: Decachlorobiphenyl	14.28	0	20.29	0	70.4	31.9	146	0	0	0	
Surr: Tetrachloro-m-xylene	15.34	0	20.29	0	75.6	26	118	0	0	0	

Sample ID: **1004K46-003AMSD** Client ID: **B-29-2** Units: **ug/Kg-dry** Prep Date: **04/28/2010** Run No: **170962**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **128635** Analysis Date: **05/03/2010** Seq No: **3550151**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	45.28	4.1	50.71	0	89.3	18.1	144	51.24	12.4	35.5	
Aldrin	15.38	2.0	20.29	0	75.8	31.8	131	16.16	4.91	30.1	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Pace Analytical Services, Inc.
Project Name: 9268051
Workorder: 1004K46

ANALYTICAL QC SUMMARY REPORT

BatchID: 128635

Sample ID: **1004K46-003AMSD** Client ID: **B-29-2** Units: **ug/Kg-dry** Prep Date: **04/28/2010** Run No: **170962**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **128635** Analysis Date: **05/03/2010** Seq No: **3550151**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dieldrin	45.88	4.1	50.71	0	90.5	37	135	49.51	7.62	26.6	
Endrin	48.03	4.1	50.71	0	94.7	32.7	139	51.31	6.61	28.9	
gamma-BHC	18.01	4.1	20.29	0	88.8	31.1	135	18.68	3.64	31.7	
Heptachlor	18.75	2.0	20.29	0	92.4	38.2	119	19.20	2.38	26.6	
Surr: Decachlorobiphenyl	12.76	0	20.29	0	62.9	31.9	146	14.28	0	0	
Surr: Tetrachloro-m-xylene	15.20	0	20.29	0	74.9	26	118	15.34	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Pace Analytical Services, Inc.
Project Name: 9268051
Workorder: 1004K46

ANALYTICAL QC SUMMARY REPORT

BatchID: 128660

Sample ID: **MB-128660**	Client ID:		Units: **ug/Kg**	Prep Date: **04/29/2010**	Run No: **170682**
SampleType: **MBLK**	TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D**		BatchID: **128660**	Analysis Date: **04/29/2010**	Seq No: **3543462**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	17	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	17	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	17	0	0	0	0	0	0	0	0	
Acenaphthylene	BRL	33	0	0	0	0	0	0	0	0	
Anthracene	BRL	1.7	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	1.7	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	1.7	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	3.3	0	0	0	0	0	0	0	0	
Benzo(g,h,i)perylene	BRL	3.3	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	1.7	0	0	0	0	0	0	0	0	
Chrysene	BRL	1.7	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	3.3	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	3.3	0	0	0	0	0	0	0	0	
Fluorene	BRL	3.3	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	1.7	0	0	0	0	0	0	0	0	
Naphthalene	BRL	17	0	0	0	0	0	0	0	0	
Phenanthrene	BRL	1.7	0	0	0	0	0	0	0	0	
Pyrene	BRL	1.7	0	0	0	0	0	0	0	0	
Surr: 4-Terphenyl-d14	55.67	0	66.7	0	83.5	33.1	123	0	0	0	

Sample ID: **LCS-128660**	Client ID:		Units: **ug/Kg**	Prep Date: **04/29/2010**	Run No: **170682**
SampleType: **LCS**	TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D**		BatchID: **128660**	Analysis Date: **04/29/2010**	Seq No: **3543468**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	43.00	17	66.7	0	64.5	14	116	0	0	0	
2-Methylnaphthalene	45.67	17	66.7	0	68.5	20	115	0	0	0	
Acenaphthene	46.67	17	66.7	0	70	27.2	115	0	0	0	
Acenaphthylene	49.33	33	66.7	0	74	30.8	115	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Pace Analytical Services, Inc.
Project Name: 9268051
Workorder: 1004K46

ANALYTICAL QC SUMMARY REPORT

BatchID: 128660

Sample ID: **LCS-128660** Client ID: Units: **ug/Kg** Prep Date: **04/29/2010** Run No: **170682**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **128660** Analysis Date: **04/29/2010** Seq No: **3543468**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	46.33	1.7	66.7	0	69.5	34.1	115	0	0	0	
Benz(a)anthracene	54.67	1.7	66.7	0	82	27.2	129	0	0	0	
Benzo(a)pyrene	45.00	1.7	66.7	0	67.5	32.5	115	0	0	0	
Benzo(b)fluoranthene	51.00	3.3	66.7	0	76.5	27.1	125	0	0	0	
Benzo(g,h,i)perylene	53.67	3.3	66.7	0	80.5	39.6	119	0	0	0	
Benzo(k)fluoranthene	66.33	1.7	66.7	0	99.5	30.7	115	0	0	0	
Chrysene	56.67	1.7	66.7	0	85	42.3	115	0	0	0	
Dibenz(a,h)anthracene	55.67	3.3	66.7	0	83.5	38.4	115	0	0	0	
Fluoranthene	57.33	3.3	66.7	0	86	51.9	115	0	0	0	
Fluorene	51.67	3.3	66.7	0	77.5	31.7	115	0	0	0	
Indeno(1,2,3-cd)pyrene	57.00	1.7	66.7	0	85.5	47.7	115	0	0	0	
Naphthalene	43.67	17	66.7	0	65.5	17.2	115	0	0	0	
Phenanthrene	55.00	1.7	66.7	0	82.5	47.5	115	0	0	0	
Pyrene	55.33	1.7	66.7	0	83	49.7	115	0	0	0	
Surr: 4-Terphenyl-d14	54.33	0	66.7	0	81.5	33.1	123	0	0	0	

Sample ID: **1004J25-001AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **04/29/2010** Run No: **170682**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **128660** Analysis Date: **04/29/2010** Seq No: **3544891**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	53.27	22	84.6	0	63	14	116	0	0	0	
2-Methylnaphthalene	56.65	22	84.6	0	67	20	115	0	0	0	
Acenaphthene	58.34	22	84.6	0	69	10.2	115	0	0	0	
Acenaphthylene	63.84	42	84.6	0	75.5	8.29	115	0	0	0	
Anthracene	63.42	2.2	84.6	1.696	73	23.7	115	0	0	0	
Benz(a)anthracene	76.52	2.2	84.6	2.120	87.9	29.5	131	0	0	0	
Benzo(a)pyrene	76.10	2.2	84.6	3.392	85.9	36.7	116	0	0	0	
Benzo(b)fluoranthene	79.91	4.2	84.6	4.665	88.9	32	118	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Pace Analytical Services, Inc.
Project Name: 9268051
Workorder: 1004K46

ANALYTICAL QC SUMMARY REPORT

BatchID: 128660

Sample ID: **1004J25-001AMS**	Client ID:		Units: **ug/Kg-dry**	Prep Date: **04/29/2010**	Run No: **170682**
SampleType: **MS**	TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D**		BatchID: **128660**	Analysis Date: **04/29/2010**	Seq No: **3544891**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(g,h,i)perylene	80.33	4.2	84.6	5.937	87.9	30.8	128	0	0	0	
Benzo(k)fluoranthene	83.29	2.2	84.6	1.696	96.4	29.3	119	0	0	0	
Chrysene	79.06	2.2	84.6	2.544	90.4	39.2	115	0	0	0	
Dibenz(a,h)anthracene	71.03	4.2	84.6	0	84	40	115	0	0	0	
Fluoranthene	81.60	4.2	84.6	2.544	93.4	43.6	115	0	0	0	
Fluorene	65.96	4.2	84.6	0	78	16	115	0	0	0	
Indeno(1,2,3-cd)pyrene	78.64	2.2	84.6	2.968	89.4	45.4	115	0	0	0	
Naphthalene	53.69	22	84.6	0	63.5	5.7	115	0	0	0	
Phenanthrene	72.72	2.2	84.6	1.696	84	32.4	115	0	0	0	
Pyrene	78.64	2.2	84.6	2.544	89.9	42.1	115	0	0	0	
Surr: 4-Terphenyl-d14	69.34	0	84.6	0	82	33.1	123	0	0	0	

Sample ID: **1004J25-001AMSD**	Client ID:		Units: **ug/Kg-dry**	Prep Date: **04/29/2010**	Run No: **170682**
SampleType: **MSD**	TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D**		BatchID: **128660**	Analysis Date: **04/29/2010**	Seq No: **3544895**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	56.34	22	84.77	0	66.5	14	116	53.27	5.6	52	
2-Methylnaphthalene	60.16	22	84.77	0	71	20	115	56.65	6	65	
Acenaphthene	60.16	22	84.77	0	71	10.2	115	58.34	3.06	79.1	
Acenaphthylene	65.66	42	84.77	0	77.5	8.29	115	63.84	2.81	77.6	
Anthracene	67.78	2.2	84.77	1.696	78	23.7	115	63.42	6.65	44.4	
Benz(a)anthracene	76.25	2.2	84.77	2.120	87.5	29.5	131	76.52	0.355	50.8	
Benzo(a)pyrene	71.59	2.2	84.77	3.392	80.5	36.7	116	76.10	6.1	31.5	
Benzo(b)fluoranthene	74.98	4.2	84.77	4.665	83	32	118	79.91	6.36	55.9	
Benzo(g,h,i)perylene	76.68	4.2	84.77	5.937	83.5	30.8	128	80.33	4.65	32.4	
Benzo(k)fluoranthene	78.80	2.2	84.77	1.696	91	29.3	119	83.29	5.55	55.3	
Chrysene	78.80	2.2	84.77	2.544	90	39.2	115	79.06	0.337	31.8	
Dibenz(a,h)anthracene	72.86	4.2	84.77	0	86	40	115	71.03	2.55	31.9	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Pace Analytical Services, Inc.
Project Name: 9268051
Workorder: 1004K46

ANALYTICAL QC SUMMARY REPORT

BatchID: 128660

Sample ID: **1004J25-001AMSD** Client ID:
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D**
Units: **ug/Kg-dry** Prep Date: **04/29/2010** Run No: **170682**
BatchID: **128660** Analysis Date: **04/29/2010** Seq No: **3544895**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Fluoranthene	79.64	4.2	84.77	2.544	91	43.6	115	81.60	2.43	38.8	
Fluorene	68.63	4.2	84.77	0	81	16	115	65.96	3.97	87.2	
Indeno(1,2,3-cd)pyrene	80.07	2.2	84.77	2.968	91	45.4	115	78.64	1.8	33.3	
Naphthalene	55.92	22	84.77	0	66	5.7	115	53.69	4.06	61.8	
Phenanthrene	76.68	2.2	84.77	1.696	88.5	32.4	115	72.72	5.3	51.4	
Pyrene	79.22	2.2	84.77	2.544	90.5	42.1	115	78.64	0.735	37.3	
Surr: 4-Terphenyl-d14	74.14	0	84.77	0	87.5	33.1	123	69.34	0	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

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May 14, 2010

Mr. Tom Varner
Potomac-Hudson Eng.
1161 Broad St.
Suite 318
Shrewsbury, NJ 07702

RE: Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

Dear Mr. Varner:
Enclosed are the analytical results for sample(s) received by the laboratory on April 24, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Herring for
Brandon Helton
brandon.helton@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

Charlotte Certification IDs
9800 Kincey Ave. - Ste 100 Huntersville, NC 28078
West Virginia Certification #: 357
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Tennessee Certification #: 04010
Virginia Certification #: 00213

Asheville Certification IDs
2225 Riverside Dr. Asheville, NC 28804
Connecticut Certification #: PH-0106
Louisiana/LELAP Certification #: 03095
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
Pennsylvania Certification #: 68-03578
South Carolina Bioassay Certification #: 9903002
South Carolina Certification #: 9903001
Tennessee Certification #: 2980
Virginia Certification #: 00072
West Virginia Certification #: 356
Florida/NELAP Certification #: E87648

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SAMPLE SUMMARY

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9268081001	**TW-1**	Water	04/22/10 14:50	04/24/10 09:00
9268081002	**TW-2**	Water	04/22/10 15:40	04/24/10 09:00
9268081003	**TW-3**	Water	04/22/10 16:20	04/24/10 09:00

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SAMPLE ANALYTE COUNT

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9268081001	**TW-1**	EPA 6010	JMW	1	PASI-A
		EPA 8260	MCK	63	PASI-C
9268081002	**TW-2**	EPA 6010	JMW	1	PASI-A
		EPA 8260	MCK	63	PASI-C
9268081003	**TW-3**	EPA 6010	JMW	1	PASI-A
		EPA 8260	MCK	63	PASI-C

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PROJECT NARRATIVE

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

Method: **EPA 6010**
Description: 6010 MET ICP
Client: Potomac-Hudson Eng.
Date: May 14, 2010

General Information:
3 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: MPRP/6241

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- TW-3 (Lab ID: 9268081003)
  - Lead

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PROJECT NARRATIVE

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

Method: **EPA 8260**
Description: 8260 MSV Low Level SC
Client: Potomac-Hudson Eng.
Date: May 14, 2010

General Information:
3 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/10750

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 9268044007

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 433849)
  - Vinyl acetate
- MSD (Lab ID: 433850)
  - Vinyl acetate

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

Sample: TW-1 **Lab ID: 9268081001** Collected: 04/22/10 14:50 Received: 04/24/10 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**7.3**	ug/L	5.0	4.0	1	04/30/10 14:15	05/04/10 18:31	7439-92-1	
8260 MSV Low Level SC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/27/10 17:58	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		04/27/10 17:58	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		04/27/10 17:58	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/27/10 17:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/27/10 17:58	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/27/10 17:58	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/27/10 17:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/27/10 17:58	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/27/10 17:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/27/10 17:58	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/27/10 17:58	75-00-3	
Chloroform	**1.1**	ug/L	1.0	0.14	1		04/27/10 17:58	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/27/10 17:58	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		04/27/10 17:58	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		04/27/10 17:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/27/10 17:58	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/27/10 17:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/27/10 17:58	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/27/10 17:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/27/10 17:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		04/27/10 17:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/27/10 17:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		04/27/10 17:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/27/10 17:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/27/10 17:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/27/10 17:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/27/10 17:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/27/10 17:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/27/10 17:58	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		04/27/10 17:58	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		04/27/10 17:58	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		04/27/10 17:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/27/10 17:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/27/10 17:58	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		04/27/10 17:58	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/27/10 17:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		04/27/10 17:58	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/27/10 17:58	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		04/27/10 17:58	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/27/10 17:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/27/10 17:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		04/27/10 17:58	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		04/27/10 17:58	91-20-3	

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

Sample: TW-1 **Lab ID: 9268081001** Collected: 04/22/10 14:50 Received: 04/24/10 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260								
Styrene	ND	ug/L	1.0	0.26	1		04/27/10 17:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/27/10 17:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/27/10 17:58	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/27/10 17:58	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/27/10 17:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		04/27/10 17:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		04/27/10 17:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/27/10 17:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/27/10 17:58	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/27/10 17:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/27/10 17:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/27/10 17:58	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/27/10 17:58	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/27/10 17:58	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/27/10 17:58	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/27/10 17:58	95-47-6	
4-Bromofluorobenzene (S)	100	%	70-130		1		04/27/10 17:58	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		04/27/10 17:58	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		04/27/10 17:58	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/27/10 17:58	2037-26-5	

Sample: TW-2 **Lab ID: 9268081002** Collected: 04/22/10 15:40 Received: 04/24/10 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**9.5**	ug/L	5.0	4.0	1	04/30/10 14:15	05/04/10 18:34	7439-92-1	
8260 MSV Low Level SC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/27/10 18:27	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		04/27/10 18:27	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		04/27/10 18:27	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/27/10 18:27	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/27/10 18:27	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/27/10 18:27	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/27/10 18:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/27/10 18:27	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/27/10 18:27	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/27/10 18:27	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/27/10 18:27	75-00-3	
Chloroform	**0.42J**	ug/L	1.0	0.14	1		04/27/10 18:27	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/27/10 18:27	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		04/27/10 18:27	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		04/27/10 18:27	106-43-4	

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

Sample: TW-2 **Lab ID: 9268081002** Collected: 04/22/10 15:40 Received: 04/24/10 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260								
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/27/10 18:27	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/27/10 18:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/27/10 18:27	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/27/10 18:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/27/10 18:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		04/27/10 18:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/27/10 18:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		04/27/10 18:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/27/10 18:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/27/10 18:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/27/10 18:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/27/10 18:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/27/10 18:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/27/10 18:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		04/27/10 18:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		04/27/10 18:27	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		04/27/10 18:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/27/10 18:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/27/10 18:27	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		04/27/10 18:27	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/27/10 18:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		04/27/10 18:27	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/27/10 18:27	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		04/27/10 18:27	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/27/10 18:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/27/10 18:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		04/27/10 18:27	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		04/27/10 18:27	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		04/27/10 18:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/27/10 18:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/27/10 18:27	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/27/10 18:27	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/27/10 18:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		04/27/10 18:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		04/27/10 18:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/27/10 18:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/27/10 18:27	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/27/10 18:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/27/10 18:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/27/10 18:27	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/27/10 18:27	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/27/10 18:27	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/27/10 18:27	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/27/10 18:27	95-47-6	
4-Bromofluorobenzene (S)	102	%	70-130		1		04/27/10 18:27	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		04/27/10 18:27	1868-53-7	

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

Sample: TW-2 **Lab ID: 9268081002** Collected: 04/22/10 15:40 Received: 04/24/10 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260								
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/27/10 18:27	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/27/10 18:27	2037-26-5	

Sample: TW-3 **Lab ID: 9268081003** Collected: 04/22/10 16:20 Received: 04/24/10 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**163**	ug/L	25.0	20.0	5	04/30/10 14:15	05/05/10 12:56	7439-92-1	D3
8260 MSV Low Level SC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		04/27/10 18:51	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		04/27/10 18:51	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		04/27/10 18:51	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/27/10 18:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/27/10 18:51	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/27/10 18:51	75-25-2	
Bromomethane	ND	ug/L	5.0	0.29	1		04/27/10 18:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/27/10 18:51	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/27/10 18:51	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/27/10 18:51	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/27/10 18:51	75-00-3	
Chloroform	**0.58J**	ug/L	1.0	0.14	1		04/27/10 18:51	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/27/10 18:51	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		04/27/10 18:51	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		04/27/10 18:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	3.0	2.5	1		04/27/10 18:51	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/27/10 18:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/27/10 18:51	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/27/10 18:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/27/10 18:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		04/27/10 18:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/27/10 18:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		04/27/10 18:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/27/10 18:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/27/10 18:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/27/10 18:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		04/27/10 18:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/27/10 18:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/27/10 18:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		04/27/10 18:51	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		04/27/10 18:51	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		04/27/10 18:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/27/10 18:51	10061-01-5	

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ANALYTICAL RESULTS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

Sample: TW-3 **Lab ID: 9268081003** Collected: 04/22/10 16:20 Received: 04/24/10 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/27/10 18:51	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		04/27/10 18:51	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/27/10 18:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		04/27/10 18:51	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/27/10 18:51	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		04/27/10 18:51	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/27/10 18:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/27/10 18:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		04/27/10 18:51	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		04/27/10 18:51	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		04/27/10 18:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/27/10 18:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/27/10 18:51	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		04/27/10 18:51	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		04/27/10 18:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		04/27/10 18:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		04/27/10 18:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/27/10 18:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/27/10 18:51	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/27/10 18:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/27/10 18:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/27/10 18:51	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/27/10 18:51	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/27/10 18:51	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/27/10 18:51	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/27/10 18:51	95-47-6	
4-Bromofluorobenzene (S)	100	%	70-130		1		04/27/10 18:51	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		04/27/10 18:51	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		04/27/10 18:51	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/27/10 18:51	2037-26-5	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

QC Batch: MPRP/6241 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 9268081001, 9268081002, 9268081003

METHOD BLANK: 435839 Matrix: Water
Associated Lab Samples: 9268081001, 9268081002, 9268081003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	5.0	05/04/10 14:45	

LABORATORY CONTROL SAMPLE: 435840

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	510	102	80-120	

MATRIX SPIKE SAMPLE: 435841

Parameter	Units	9267994001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	ND	500	508	101	75-125	

SAMPLE DUPLICATE: 435842

Parameter	Units	9267994002 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

QC Batch: MSV/10750 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level SC
Associated Lab Samples: 9268081001, 9268081002, 9268081003

METHOD BLANK: 433847 Matrix: Water
Associated Lab Samples: 9268081001, 9268081002, 9268081003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/27/10 10:22	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/27/10 10:22	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/27/10 10:22	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/27/10 10:22	
1,1-Dichloroethane	ug/L	ND	1.0	04/27/10 10:22	
1,1-Dichloroethene	ug/L	ND	1.0	04/27/10 10:22	
1,1-Dichloropropene	ug/L	ND	1.0	04/27/10 10:22	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	04/27/10 10:22	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/27/10 10:22	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	04/27/10 10:22	
1,2-Dibromo-3-chloropropane	ug/L	ND	3.0	04/27/10 10:22	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/27/10 10:22	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/27/10 10:22	
1,2-Dichloroethane	ug/L	ND	1.0	04/27/10 10:22	
1,2-Dichloropropane	ug/L	ND	1.0	04/27/10 10:22	
1,3-Dichlorobenzene	ug/L	ND	1.0	04/27/10 10:22	
1,3-Dichloropropane	ug/L	ND	1.0	04/27/10 10:22	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/27/10 10:22	
2,2-Dichloropropane	ug/L	ND	1.0	04/27/10 10:22	
2-Butanone (MEK)	ug/L	ND	5.0	04/27/10 10:22	
2-Chlorotoluene	ug/L	ND	1.0	04/27/10 10:22	
2-Hexanone	ug/L	ND	5.0	04/27/10 10:22	
4-Chlorotoluene	ug/L	ND	1.0	04/27/10 10:22	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	04/27/10 10:22	
Acetone	ug/L	ND	25.0	04/27/10 10:22	
Benzene	ug/L	ND	1.0	04/27/10 10:22	
Bromobenzene	ug/L	ND	1.0	04/27/10 10:22	
Bromochloromethane	ug/L	ND	1.0	04/27/10 10:22	
Bromodichloromethane	ug/L	ND	1.0	04/27/10 10:22	
Bromoform	ug/L	ND	1.0	04/27/10 10:22	
Bromomethane	ug/L	ND	5.0	04/27/10 10:22	
Carbon tetrachloride	ug/L	ND	1.0	04/27/10 10:22	
Chlorobenzene	ug/L	ND	1.0	04/27/10 10:22	
Chloroethane	ug/L	ND	1.0	04/27/10 10:22	
Chloroform	ug/L	ND	1.0	04/27/10 10:22	
Chloromethane	ug/L	ND	1.0	04/27/10 10:22	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/27/10 10:22	
cis-1,3-Dichloropropene	ug/L	ND	1.0	04/27/10 10:22	
Dibromochloromethane	ug/L	ND	1.0	04/27/10 10:22	
Dibromomethane	ug/L	ND	1.0	04/27/10 10:22	
Dichlorodifluoromethane	ug/L	ND	1.0	04/27/10 10:22	
Diisopropyl ether	ug/L	ND	1.0	04/27/10 10:22	
Ethylbenzene	ug/L	ND	1.0	04/27/10 10:22	

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(704)875-9092

QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

METHOD BLANK: 433847 Matrix: Water

Associated Lab Samples: 9268081001, 9268081002, 9268081003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	04/27/10 10:22	
m&p-Xylene	ug/L	ND	2.0	04/27/10 10:22	
Methyl-tert-butyl ether	ug/L	ND	1.0	04/27/10 10:22	
Methylene Chloride	ug/L	ND	2.0	04/27/10 10:22	
Naphthalene	ug/L	ND	1.0	04/27/10 10:22	
o-Xylene	ug/L	ND	1.0	04/27/10 10:22	
p-Isopropyltoluene	ug/L	ND	1.0	04/27/10 10:22	
Styrene	ug/L	ND	1.0	04/27/10 10:22	
Tetrachloroethene	ug/L	ND	1.0	04/27/10 10:22	
Toluene	ug/L	ND	1.0	04/27/10 10:22	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/27/10 10:22	
trans-1,3-Dichloropropene	ug/L	ND	1.0	04/27/10 10:22	
Trichloroethene	ug/L	ND	1.0	04/27/10 10:22	
Trichlorofluoromethane	ug/L	ND	1.0	04/27/10 10:22	
Vinyl acetate	ug/L	ND	2.0	04/27/10 10:22	
Vinyl chloride	ug/L	ND	1.0	04/27/10 10:22	
1,2-Dichloroethane-d4 (S)	%	96	70-130	04/27/10 10:22	
4-Bromofluorobenzene (S)	%	102	70-130	04/27/10 10:22	
Dibromofluoromethane (S)	%	102	70-130	04/27/10 10:22	
Toluene-d8 (S)	%	99	70-130	04/27/10 10:22	

LABORATORY CONTROL SAMPLE: 433848

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.0	100	70-130	
1,1,1-Trichloroethane	ug/L	50	50.9	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	45.0	90	70-130	
1,1,2-Trichloroethane	ug/L	50	51.9	104	70-130	
1,1-Dichloroethane	ug/L	50	52.4	105	70-130	
1,1-Dichloroethene	ug/L	50	48.2	96	70-130	
1,1-Dichloropropene	ug/L	50	48.8	98	70-130	
1,2,3-Trichlorobenzene	ug/L	50	54.3	109	70-130	
1,2,3-Trichloropropane	ug/L	50	50.4	101	70-130	
1,2,4-Trichlorobenzene	ug/L	50	51.4	103	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	53.5	107	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	48.9	98	70-130	
1,2-Dichlorobenzene	ug/L	50	49.9	100	70-130	
1,2-Dichloroethane	ug/L	50	50.3	101	70-130	
1,2-Dichloropropane	ug/L	50	50.8	102	70-130	
1,3-Dichlorobenzene	ug/L	50	48.4	97	70-130	
1,3-Dichloropropane	ug/L	50	46.9	94	70-130	
1,4-Dichlorobenzene	ug/L	50	48.1	96	70-130	
2,2-Dichloropropane	ug/L	50	37.7	75	70-130	
2-Butanone (MEK)	ug/L	100	107	107	70-130	
2-Chlorotoluene	ug/L	50	47.3	95	70-130	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

LABORATORY CONTROL SAMPLE: 433848

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	103	103	70-130	
4-Chlorotoluene	ug/L	50	49.6	99	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	104	104	70-130	
Acetone	ug/L	100	123	123	70-130	
Benzene	ug/L	50	48.2	96	70-130	
Bromobenzene	ug/L	50	47.8	96	70-130	
Bromochloromethane	ug/L	50	50.3	101	70-130	
Bromodichloromethane	ug/L	50	48.2	96	70-130	
Bromoform	ug/L	50	50.8	102	70-130	
Bromomethane	ug/L	50	53.1	106	70-130	
Carbon tetrachloride	ug/L	50	52.6	105	70-130	
Chlorobenzene	ug/L	50	49.4	99	70-130	
Chloroethane	ug/L	50	53.8	108	70-130	
Chloroform	ug/L	50	49.7	99	70-130	
Chloromethane	ug/L	50	50.9	102	70-130	
cis-1,2-Dichloroethene	ug/L	50	51.9	104	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.2	94	70-130	
Dibromochloromethane	ug/L	50	49.2	98	70-130	
Dibromomethane	ug/L	50	53.4	107	70-130	
Dichlorodifluoromethane	ug/L	50	51.8	104	70-130	
Diisopropyl ether	ug/L	50	50.3	101	70-130	
Ethylbenzene	ug/L	50	48.4	97	70-130	
Hexachloro-1,3-butadiene	ug/L	50	47.6	95	70-130	
m&p-Xylene	ug/L	100	98.8	99	70-130	
Methyl-tert-butyl ether	ug/L	50	52.5	105	70-130	
Methylene Chloride	ug/L	50	46.9	94	70-130	
Naphthalene	ug/L	50	56.4	113	70-130	
o-Xylene	ug/L	50	50.0	100	70-130	
p-Isopropyltoluene	ug/L	50	48.6	97	70-130	
Styrene	ug/L	50	48.9	98	70-130	
Tetrachloroethene	ug/L	50	49.1	98	70-130	
Toluene	ug/L	50	50.2	100	70-130	
trans-1,2-Dichloroethene	ug/L	50	49.6	99	70-130	
trans-1,3-Dichloropropene	ug/L	50	47.3	95	70-130	
Trichloroethene	ug/L	50	51.9	104	70-130	
Trichlorofluoromethane	ug/L	50	54.9	110	70-130	
Vinyl acetate	ug/L	100	92.5	93	70-130	
Vinyl chloride	ug/L	50	50.9	102	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			107	70-130	
Toluene-d8 (S)	%			99	70-130	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 433849 433850

Parameter	Units	9268044007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	54.0	55.2	108	110	70-130	2	30	
1,1,1-Trichloroethane	ug/L	ND	50	50	56.7	57.0	113	114	70-130	1	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	49.6	49.8	99	100	70-130	0	30	
1,1,2-Trichloroethane	ug/L	ND	50	50	56.0	53.5	112	107	70-130	5	30	
1,1-Dichloroethane	ug/L	ND	50	50	54.1	55.7	108	111	70-130	3	30	
1,1-Dichloroethene	ug/L	ND	50	50	50.1	54.9	100	110	70-130	9	30	
1,1-Dichloropropene	ug/L	ND	50	50	53.5	53.3	107	107	70-130	0	30	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	50.3	53.2	101	106	70-130	6	30	
1,2,3-Trichloropropane	ug/L	ND	50	50	51.3	53.0	103	106	70-130	3	30	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	49.3	52.2	99	104	70-130	6	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	50.5	53.3	101	107	70-130	5	30	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	53.8	51.7	108	103	70-130	4	30	
1,2-Dichlorobenzene	ug/L	ND	50	50	52.5	52.9	105	106	70-130	1	30	
1,2-Dichloroethane	ug/L	ND	50	50	51.6	53.5	103	107	70-130	4	30	
1,2-Dichloropropane	ug/L	ND	50	50	54.3	53.7	109	107	70-130	1	30	
1,3-Dichlorobenzene	ug/L	ND	50	50	50.7	50.9	101	102	70-130	0	30	
1,3-Dichloropropane	ug/L	ND	50	50	50.5	50.8	101	102	70-130	1	30	
1,4-Dichlorobenzene	ug/L	ND	50	50	50.7	52.0	101	104	70-130	3	30	
2,2-Dichloropropane	ug/L	ND	50	50	36.2	35.2	72	70	70-130	3	30	
2-Butanone (MEK)	ug/L	ND	100	100	96.8	106	97	106	70-130	9	30	
2-Chlorotoluene	ug/L	ND	50	50	50.6	51.1	101	102	70-130	1	30	
2-Hexanone	ug/L	ND	100	100	101	105	101	105	70-130	4	30	
4-Chlorotoluene	ug/L	ND	50	50	51.9	52.4	104	105	70-130	1	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	109	107	109	107	70-130	2	30	
Acetone	ug/L	ND	100	100	97.5	99.8	98	100	70-130	2	30	
Benzene	ug/L	0.36J	50	50	54.7	53.1	109	105	70-130	3	30	
Bromobenzene	ug/L	ND	50	50	50.9	51.0	102	102	70-130	0	30	
Bromochloromethane	ug/L	ND	50	50	53.0	56.3	106	113	70-130	6	30	
Bromodichloromethane	ug/L	ND	50	50	51.0	50.9	102	102	70-130	0	30	
Bromoform	ug/L	ND	50	50	54.5	53.3	109	107	70-130	2	30	
Bromomethane	ug/L	ND	50	50	60.4	56.9	121	114	70-130	6	30	
Carbon tetrachloride	ug/L	ND	50	50	59.5	56.7	119	113	70-130	5	30	
Chlorobenzene	ug/L	ND	50	50	54.2	54.0	108	108	70-130	0	30	
Chloroethane	ug/L	ND	50	50	61.4	60.7	123	121	70-130	1	30	
Chloroform	ug/L	ND	50	50	52.3	51.7	105	103	70-130	1	30	
Chloromethane	ug/L	ND	50	50	51.3	55.8	103	112	70-130	9	30	
cis-1,2-Dichloroethene	ug/L	0.42J	50	50	57.4	57.4	114	114	70-130	0	30	
cis-1,3-Dichloropropene	ug/L	ND	50	50	50.3	49.1	101	98	70-130	2	30	
Dibromochloromethane	ug/L	ND	50	50	52.2	52.1	104	104	70-130	0	30	
Dibromomethane	ug/L	ND	50	50	57.7	55.1	115	110	70-130	5	30	
Dichlorodifluoromethane	ug/L	ND	50	50	55.3	57.0	111	114	70-130	3	30	
Diisopropyl ether	ug/L	ND	50	50	53.9	53.6	108	107	70-130	0	30	
Ethylbenzene	ug/L	ND	50	50	53.7	53.4	107	107	70-130	1	30	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	47.5	48.5	95	97	70-130	2	30	
m&p-Xylene	ug/L	ND	100	100	109	110	109	110	70-130	1	30	
Methyl-tert-butyl ether	ug/L	0.71J	50	50	53.7	55.0	106	108	70-130	2	30	
Methylene Chloride	ug/L	ND	50	50	49.1	49.0	98	98	70-130	0	30	

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QUALITY CONTROL DATA

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 433849 433850

Parameter	Units	9268044007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Naphthalene	ug/L	ND	50	50	50.8	56.4	102	113	70-130	11	30	
o-Xylene	ug/L	ND	50	50	55.5	55.2	111	110	70-130	0	30	
p-Isopropyltoluene	ug/L	ND	50	50	51.6	51.6	103	103	70-130	0	30	
Styrene	ug/L	ND	50	50	53.7	54.3	107	109	70-130	1	30	
Tetrachloroethene	ug/L	11.6	50	50	65.1	64.9	107	107	70-130	0	30	
Toluene	ug/L	ND	50	50	55.8	54.9	112	110	70-130	2	30	
trans-1,2-Dichloroethene	ug/L	ND	50	50	53.1	54.1	106	108	70-130	2	30	
trans-1,3-Dichloropropene	ug/L	ND	50	50	49.1	48.0	98	96	70-130	2	30	
Trichloroethene	ug/L	1.1	50	50	57.3	56.7	112	111	70-130	1	30	
Trichlorofluoromethane	ug/L	ND	50	50	58.3	60.5	117	121	70-130	4	30	
Vinyl acetate	ug/L	ND	100	100	67.4	67.3	67	67	70-130	0	30	M0
Vinyl chloride	ug/L	ND	50	50	57.9	58.9	116	118	70-130	2	30	
1,2-Dichloroethane-d4 (S)	%						97	99	70-130			
4-Bromofluorobenzene (S)	%						102	100	70-130			
Dibromofluoromethane (S)	%						101	103	70-130			
Toluene-d8 (S)	%						100	99	70-130			

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QUALIFIERS

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GSA-GREENVILLE 1203-002
Pace Project No.: 9268081

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
9268081001	**TW-1**	EPA 3010	MPRP/6241	EPA 6010	ICP/5757
9268081002	**TW-2**	EPA 3010	MPRP/6241	EPA 6010	ICP/5757
9268081003	**TW-3**	EPA 3010	MPRP/6241	EPA 6010	ICP/5757
9268081001	**TW-1**	EPA 8260	MSV/10750		
9268081002	**TW-2**	EPA 8260	MSV/10750		
9268081003	**TW-3**	EPA 8260	MSV/10750		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1381060

Section A Required Client Information:

Company: Potomac-Hudson Eng
Address: 1161 Broad St. Suite 318, Shrewsbury, NJ
Email To: tomV@phe.com
Phone: 732.578.9078 Fax: 732.578.0192
Requested Due Date/TAT: 2 wks

Section B Required Project Information:

Report To: Tom Varner
Copy To: Chris Rua
Purchase Order No.:
Project Name: GSA - Greenville
Project Number: 1203-002

Section C Invoice Information:

Attention: SAME
Company Name:
Address:
Pace Quote Reference: 9203292010.400
Pace Project Manager: B. HELTON
Pace Profile #: 3766-2

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☒ UST ☐ RCRA ☐ OTHER

Site Location STATE: SC

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): TCL VOCs - LL	MTBE	1,2-dichloroethane	EDB	PAH SIMS	naphthalene SIM	lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																		N	N	N	N	N	N	Y		
1	TW-1	WT	G			4/22/10	1450		6	2		1	3					X	X	X	X	X	X	X		92680810 01
2	TW-2	WT	G			4/22/10	1540		6	2		1	3					X	X	X	X	X	X	X		002
3	TW-3	WT	G			4/22/10	1620		6	2		1	3					X	X	X	X	X	X	X		003
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
All MDLs must meet DHEC standards/action levels							

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Face Analytical

Sample Condition Upon Receipt

Client Name: Potomac Project # 92680081

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other Beaver

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Optional	
Proj. Due Date:	N/A
Proj. Name:	N/A

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used T060 Type of Ice: (Wet) Blue None ☒ Samples on ice, cooling process has begun

Cooler Temperature 2.4 Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: KM 4-24-10

		Comments:
Chain of Custody Present:	☐Yes ☐No ☐N/A	1. DID NOT Recieve COC (See BACK)
Chain of Custody Filled Out:	☐Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☐Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☐Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☐No ☐N/A	7.
Sufficient Volume:	☐Yes ☐No ☐N/A	8.
Correct Containers Used:	☐Yes ☐No ☐N/A	9.
-Pace Containers Used:	☐Yes ☐No ☐N/A	
Containers Intact:	☐Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☐N/A	11.
Sample Labels match COC:	☐Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	☐Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): N/A		

Client Notification/ Resolution:

Field Data Required? Y / N / N/A

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: BKM Date: 4/26/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

May 14, 2010

Brandon Helton
Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville NC 28078

TEL: (704) 875-9092
FAX: (704) 875-9091

RE: 9268081

Dear Brandon Helton: Order No: 1005857

Analytical Environmental Services, Inc. received 3 samples on 5/11/2010 10:40:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/09-06/30/10.
-AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/11.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

James Forrest
Project Manager

1005857

Chain of Custody

Pace Analytical®
www.pacelabs.com

Workorder: 9268081 **Workorder Name:** GSA-GREENVILLE 1203-002 **Results Requested** 5/5/2010

Report / Invoice To	Subcontract To
Brandon Helton Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092 Email: brandon.helton@pacelabs.com	AES P.O. CKS08589

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers HNO3	HCL					Requested Analysis 8270 PAH SIM												LAB USE ONLY
1	TW-1	4/22/2010 14:50	9268081001	Water							X												
2	TW-2	4/22/2010 15:40	9268081002	Water							X												
3	TW-3	4/22/2010 16:20	9268081003	Water							X												
4																							
5																							

Transfers	Released By	Date/Time	Received By	Date/Time
1	Brandon Helton - PACE	5-10-10 1700	FedEx	5-10-10 1700
2	FedEx		M. [illegible]	5/11/10
3				
4				
5				

Comments

* 3 Day TAT
10:40 Fedex
* SC samples

Analytical Environmental Services, Inc

Date: 14-May-10

Client: Pace Analytical Services, Inc.
Project: 9268081
Lab ID: 1005857

Case Narrative

Sample Receiving Nonconformance:

Samples were received outside EPA/Method specified holding time of 7 days for method 8270_SIM_PAH_W. Proceed with analysis at 2 days TAT per Brandon Helton on 5/11/10.

PAH Analysis by Method 8270D:

Samples 1005857-001A, -002A, and -003A were received and extracted outside holding time of 7 days.

Analytical Environmental Services, Inc **Date:** 14-May-10

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	TW-1
Project Name:	9268081	**Collection Date:**	4/22/2010 2:50:00 PM
Lab ID:	1005857-001	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons	**SW8270D**				**(SW3510)**				
Naphthalene	BRL	H	0.14	0.50	ug/L	129293	1	05/13/2010 11:51	YH
1-Methylnaphthalene	BRL	H	0.048	0.50	ug/L	129293	1	05/13/2010 11:51	YH
2-Methylnaphthalene	BRL	H	0.058	0.50	ug/L	129293	1	05/13/2010 11:51	YH
Acenaphthylene	BRL	H	0.16	1.0	ug/L	129293	1	05/13/2010 11:51	YH
Acenaphthene	BRL	H	0.11	0.50	ug/L	129293	1	05/13/2010 11:51	YH
Fluorene	BRL	H	0.065	0.10	ug/L	129293	1	05/13/2010 11:51	YH
Phenanthrene	BRL	H	0.026	0.050	ug/L	129293	1	05/13/2010 11:51	YH
Anthracene	BRL	H	0.030	0.050	ug/L	129293	1	05/13/2010 11:51	YH
Fluoranthene	0.020	JH	0.015	0.10	ug/L	129293	1	05/13/2010 11:51	YH
Pyrene	BRL	H	0.024	0.050	ug/L	129293	1	05/13/2010 11:51	YH
Benz(a)anthracene	BRL	H	0.015	0.050	ug/L	129293	1	05/13/2010 11:51	YH
Chrysene	BRL	H	0.015	0.050	ug/L	129293	1	05/13/2010 11:51	YH
Benzo(b)fluoranthene	BRL	H	0.017	0.10	ug/L	129293	1	05/13/2010 11:51	YH
Benzo(k)fluoranthene	BRL	H	0.030	0.050	ug/L	129293	1	05/13/2010 11:51	YH
Benzo(a)pyrene	BRL	H	0.012	0.050	ug/L	129293	1	05/13/2010 11:51	YH
Indeno(1,2,3-cd)pyrene	BRL	H	0.017	0.050	ug/L	129293	1	05/13/2010 11:51	YH
Dibenz(a,h)anthracene	BRL	H	0.026	0.10	ug/L	129293	1	05/13/2010 11:51	YH
Benzo(g,h,i)perylene	BRL	H	0.028	0.10	ug/L	129293	1	05/13/2010 11:51	YH
Surr: 4-Terphenyl-d14	92.5	H	0	34-126	%REC	129293	1	05/13/2010 11:51	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value

Analytical Environmental Services, Inc **Date:** 14-May-10

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	TW-2
Project Name:	9268081	**Collection Date:**	4/22/2010 3:40:00 PM
Lab ID:	1005857-002	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons	**SW8270D**				**(SW3510)**				
Naphthalene	BRL	H	0.14	0.50	ug/L	129293	1	05/13/2010 12:17	YH
1-Methylnaphthalene	BRL	H	0.048	0.50	ug/L	129293	1	05/13/2010 12:17	YH
2-Methylnaphthalene	BRL	H	0.058	0.50	ug/L	129293	1	05/13/2010 12:17	YH
Acenaphthylene	BRL	H	0.16	1.0	ug/L	129293	1	05/13/2010 12:17	YH
Acenaphthene	BRL	H	0.11	0.50	ug/L	129293	1	05/13/2010 12:17	YH
Fluorene	BRL	H	0.065	0.10	ug/L	129293	1	05/13/2010 12:17	YH
Phenanthrene	BRL	H	0.026	0.050	ug/L	129293	1	05/13/2010 12:17	YH
Anthracene	BRL	H	0.030	0.050	ug/L	129293	1	05/13/2010 12:17	YH
Fluoranthene	0.020	JH	0.015	0.10	ug/L	129293	1	05/13/2010 12:17	YH
Pyrene	BRL	H	0.024	0.050	ug/L	129293	1	05/13/2010 12:17	YH
Benz(a)anthracene	BRL	H	0.015	0.050	ug/L	129293	1	05/13/2010 12:17	YH
Chrysene	BRL	H	0.015	0.050	ug/L	129293	1	05/13/2010 12:17	YH
Benzo(b)fluoranthene	BRL	H	0.017	0.10	ug/L	129293	1	05/13/2010 12:17	YH
Benzo(k)fluoranthene	BRL	H	0.030	0.050	ug/L	129293	1	05/13/2010 12:17	YH
Benzo(a)pyrene	BRL	H	0.012	0.050	ug/L	129293	1	05/13/2010 12:17	YH
Indeno(1,2,3-cd)pyrene	BRL	H	0.017	0.050	ug/L	129293	1	05/13/2010 12:17	YH
Dibenz(a,h)anthracene	BRL	H	0.026	0.10	ug/L	129293	1	05/13/2010 12:17	YH
Benzo(g,h,i)perylene	BRL	H	0.028	0.10	ug/L	129293	1	05/13/2010 12:17	YH
Surr: 4-Terphenyl-d14	93	H	0	34-126	%REC	129293	1	05/13/2010 12:17	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value

Analytical Environmental Services, Inc **Date:** 14-May-10

Client:	Pace Analytical Services, Inc.	**Client Sample ID:**	TW-3
Project Name:	9268081	**Collection Date:**	4/22/2010 4:20:00 PM
Lab ID:	1005857-003	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons	**SW8270D**				**(SW3510)**				
Naphthalene	BRL	H	0.14	0.50	ug/L	129293	1	05/13/2010 12:43	YH
1-Methylnaphthalene	BRL	H	0.048	0.50	ug/L	129293	1	05/13/2010 12:43	YH
2-Methylnaphthalene	BRL	H	0.058	0.50	ug/L	129293	1	05/13/2010 12:43	YH
Acenaphthylene	BRL	H	0.16	1.0	ug/L	129293	1	05/13/2010 12:43	YH
Acenaphthene	BRL	H	0.11	0.50	ug/L	129293	1	05/13/2010 12:43	YH
Fluorene	BRL	H	0.065	0.10	ug/L	129293	1	05/13/2010 12:43	YH
Phenanthrene	BRL	H	0.026	0.050	ug/L	129293	1	05/13/2010 12:43	YH
Anthracene	BRL	H	0.030	0.050	ug/L	129293	1	05/13/2010 12:43	YH
Fluoranthene	BRL	H	0.015	0.10	ug/L	129293	1	05/13/2010 12:43	YH
Pyrene	BRL	H	0.024	0.050	ug/L	129293	1	05/13/2010 12:43	YH
Benz(a)anthracene	BRL	H	0.015	0.050	ug/L	129293	1	05/13/2010 12:43	YH
Chrysene	BRL	H	0.015	0.050	ug/L	129293	1	05/13/2010 12:43	YH
Benzo(b)fluoranthene	BRL	H	0.017	0.10	ug/L	129293	1	05/13/2010 12:43	YH
Benzo(k)fluoranthene	BRL	H	0.030	0.050	ug/L	129293	1	05/13/2010 12:43	YH
Benzo(a)pyrene	BRL	H	0.012	0.050	ug/L	129293	1	05/13/2010 12:43	YH
Indeno(1,2,3-cd)pyrene	BRL	H	0.017	0.050	ug/L	129293	1	05/13/2010 12:43	YH
Dibenz(a,h)anthracene	BRL	H	0.026	0.10	ug/L	129293	1	05/13/2010 12:43	YH
Benzo(g,h,i)perylene	BRL	H	0.028	0.10	ug/L	129293	1	05/13/2010 12:43	YH
Surr: 4-Terphenyl-d14	87	H	0	34-126	%REC	129293	1	05/13/2010 12:43	YH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Pace Work Order Number 1005857

Checklist completed by M.D 5/11/10
Signature Date

Carrier name: FedEx ✓ UPS __ Courier __ Client __ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.8°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? 5/11/10 M.D Yes X No ✓

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by M.D

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Analytical Environmental Services, Inc

Date: 14-May-10

Client: Pace Analytical Services, Inc.
Project: 9268081
Lab Order: 1005857

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1005857-001A	TW-1	4/22/2010 2:50:00PM	Aqueous	Polynuclear Aromatic Hydrocarbons		05/12/2010	05/13/2010
1005857-002A	TW-2	4/22/2010 3:40:00PM	Aqueous	Polynuclear Aromatic Hydrocarbons		05/12/2010	05/13/2010
1005857-003A	TW-3	4/22/2010 4:20:00PM	Aqueous	Polynuclear Aromatic Hydrocarbons		05/12/2010	05/13/2010

Client: Pace Analytical Services, Inc.
Project Name: 9268081
Workorder: 1005857

ANALYTICAL QC SUMMARY REPORT

BatchID: 129293

Sample ID: **MB-129293** Client ID: Units: **ug/L** Prep Date: **05/12/2010** Run No: **171690**
SampleType: **MBLK** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **129293** Analysis Date: **05/13/2010** Seq No: **3566138**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	0.50	0	0	0	0	0	0	0	0	
2-Methylnaphthalene	BRL	0.50	0	0	0	0	0	0	0	0	
Acenaphthene	BRL	0.50	0	0	0	0	0	0	0	0	
Acenaphthylene	BRL	1.0	0	0	0	0	0	0	0	0	
Anthracene	BRL	0.050	0	0	0	0	0	0	0	0	
Benz(a)anthracene	BRL	0.050	0	0	0	0	0	0	0	0	
Benzo(a)pyrene	BRL	0.050	0	0	0	0	0	0	0	0	
Benzo(b)fluoranthene	BRL	0.10	0	0	0	0	0	0	0	0	
Benzo(g,h,i)perylene	BRL	0.10	0	0	0	0	0	0	0	0	
Benzo(k)fluoranthene	BRL	0.050	0	0	0	0	0	0	0	0	
Chrysene	BRL	0.050	0	0	0	0	0	0	0	0	
Dibenz(a,h)anthracene	BRL	0.10	0	0	0	0	0	0	0	0	
Fluoranthene	BRL	0.10	0	0	0	0	0	0	0	0	
Fluorene	BRL	0.10	0	0	0	0	0	0	0	0	
Indeno(1,2,3-cd)pyrene	BRL	0.050	0	0	0	0	0	0	0	0	
Naphthalene	BRL	0.50	0	0	0	0	0	0	0	0	
Phenanthrene	BRL	0.050	0	0	0	0	0	0	0	0	
Pyrene	BRL	0.050	0	0	0	0	0	0	0	0	
Surr: 4-Terphenyl-d14	1.970	0	2	0	98.5	34	126	0	0	0	

Sample ID: **LCS-129293** Client ID: Units: **ug/L** Prep Date: **05/12/2010** Run No: **171690**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **129293** Analysis Date: **05/13/2010** Seq No: **3566147**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.580	0.50	2	0	79	15	150	0	0	0	
2-Methylnaphthalene	1.690	0.50	2	0	84.5	15	150	0	0	0	
Acenaphthene	1.690	0.50	2	0	84.5	27.1	119	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Pace Analytical Services, Inc.
Project Name: 9268081
Workorder: 1005857

ANALYTICAL QC SUMMARY REPORT

BatchID: 129293

Sample ID: **LCS-129293** Client ID: Units: **ug/L** Prep Date: **05/12/2010** Run No: **171690**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **129293** Analysis Date: **05/13/2010** Seq No: **3566147**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthylene	1.770	1.0	2	0	88.5	40.4	123	0	0	0	
Anthracene	1.820	0.050	2	0	91	27.1	127	0	0	0	
Benz(a)anthracene	1.710	0.050	2	0	85.5	50.2	141	0	0	0	
Benzo(a)pyrene	1.760	0.050	2	0	88	42.5	143	0	0	0	
Benzo(b)fluoranthene	1.720	0.10	2	0	86	27.3	156	0	0	0	
Benzo(g,h,i)perylene	1.710	0.10	2	0	85.5	28.9	156	0	0	0	
Benzo(k)fluoranthene	1.870	0.050	2	0	93.5	41.5	137	0	0	0	
Chrysene	1.870	0.050	2	0	93.5	48.1	121	0	0	0	
Dibenz(a,h)anthracene	1.630	0.10	2	0	81.5	41.3	128	0	0	0	
Fluoranthene	1.870	0.10	2	0	93.5	57.1	115	0	0	0	
Fluorene	1.770	0.10	2	0	88.5	32.9	124	0	0	0	
Indeno(1,2,3-cd)pyrene	1.800	0.050	2	0	90	45.3	136	0	0	0	
Naphthalene	1.620	0.50	2	0	81	10	115	0	0	0	
Phenanthrene	1.860	0.050	2	0	93	43.3	125	0	0	0	
Pyrene	1.850	0.050	2	0	92.5	52	118	0	0	0	
Surr: 4-Terphenyl-d14	3.710	0	4	0	92.8	34	126	0	0	0	

Sample ID: **1005792-002CMS** Client ID: Units: **ug/L** Prep Date: **05/12/2010** Run No: **171690**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **129293** Analysis Date: **05/13/2010** Seq No: **3566211**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	0.8700	0.50	2	0	43.5	10	166	0	0	0	
2-Methylnaphthalene	0.9100	0.50	2	0	45.5	10	122	0	0	0	
Acenaphthene	0.8900	0.50	2	0	44.5	14.7	129	0	0	0	
Acenaphthylene	BRL	1.0	2	0	48	17.6	133	0	0	0	
Anthracene	0.9600	0.050	2	0	48	26.3	129	0	0	0	
Benz(a)anthracene	0.9300	0.050	2	0	46.5	10	175	0	0	0	
Benzo(a)pyrene	0.9400	0.050	2	0	47	28.8	133	0	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Pace Analytical Services, Inc.
Project Name: 9268081
Workorder: 1005857

ANALYTICAL QC SUMMARY REPORT

BatchID: 129293

Sample ID: **1005792-002CMS**	Client ID:		Units: **ug/L**	Prep Date: **05/12/2010**	Run No: **171690**
SampleType: **MS**	TestCode: **SIM Polynuclear Aromatic Hydrocarbons** **SW8270D**		BatchID: **129293**	Analysis Date: **05/13/2010**	Seq No: **3566211**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(b)fluoranthene	0.9000	0.10	2	0	45	18.2	163	0	0	0	
Benzo(g,h,i)perylene	0.9600	0.10	2	0	48	12.5	155	0	0	0	
Benzo(k)fluoranthene	1.070	0.050	2	0	53.5	19.9	132	0	0	0	
Chrysene	1.030	0.050	2	0	51.5	30.3	125	0	0	0	
Dibenz(a,h)anthracene	0.8900	0.10	2	0	44.5	10	130	0	0	0	
Fluoranthene	1.040	0.10	2	0	52	24.9	141	0	0	0	
Fluorene	0.9600	0.10	2	0	48	16.5	136	0	0	0	
Indeno(1,2,3-cd)pyrene	0.9400	0.050	2	0	47	10	137	0	0	0	
Naphthalene	0.8900	0.50	2	0	44.5	10	147	0	0	0	
Phenanthrene	1.020	0.050	2	0	51	16.1	156	0	0	0	
Pyrene	1.000	0.050	2	0	50	21.8	143	0	0	0	
Surr: 4-Terphenyl-d14	1.960	0	4	0	49	34	126	0	0	0	

Sample ID: **1005792-002CMSD**	Client ID:		Units: **ug/L**	Prep Date: **05/12/2010**	Run No: **171690**
SampleType: **MSD**	TestCode: **SIM Polynuclear Aromatic Hydrocarbons** **SW8270D**		BatchID: **129293**	Analysis Date: **05/13/2010**	Seq No: **3566216**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	0.8800	0.50	2	0	44	10	166	0.8700	1.14	50	
2-Methylnaphthalene	0.9100	0.50	2	0	45.5	10	122	0.9100	0	50	
Acenaphthene	0.8900	0.50	2	0	44.5	14.7	129	0.8900	0	46.6	
Acenaphthylene	BRL	1.0	2	0	47.5	17.6	133	0.9600	0	46.5	
Anthracene	0.9500	0.050	2	0	47.5	26.3	129	0.9600	1.05	20.4	
Benz(a)anthracene	0.8700	0.050	2	0	43.5	10	175	0.9300	6.67	33.7	
Benzo(a)pyrene	0.8800	0.050	2	0	44	28.8	133	0.9400	6.59	20	
Benzo(b)fluoranthene	0.8200	0.10	2	0	41	18.2	163	0.9000	9.3	32.4	
Benzo(g,h,i)perylene	0.9000	0.10	2	0	45	12.5	155	0.9600	6.45	32.8	
Benzo(k)fluoranthene	1.090	0.050	2	0	54.5	19.9	132	1.070	1.85	37.1	
Chrysene	1.000	0.050	2	0	50	30.3	125	1.030	2.96	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Pace Analytical Services, Inc.
Project Name: 9268081
Workorder: 1005857

ANALYTICAL QC SUMMARY REPORT

BatchID: 129293

Sample ID: **1005792-002CMSD** Client ID:
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D**
Units: **ug/L** Prep Date: **05/12/2010** Run No: **171690**
BatchID: **129293** Analysis Date: **05/13/2010** Seq No: **3566216**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dibenz(a,h)anthracene	0.8400	0.10	2	0	42	10	130	0.8900	5.78	38	
Fluoranthene	1.000	0.10	2	0	50	24.9	141	1.040	3.92	22.5	
Fluorene	0.9600	0.10	2	0	48	16.5	136	0.9600	0	57.3	
Indeno(1,2,3-cd)pyrene	0.8900	0.050	2	0	44.5	10	137	0.9400	5.46	37	
Naphthalene	0.8900	0.50	2	0	44.5	10	147	0.8900	0	51.3	
Phenanthrene	1.000	0.050	2	0	50	16.1	156	1.020	1.98	44.2	
Pyrene	0.9800	0.050	2	0	49	21.8	143	1.000	2.02	22.2	
Surr: 4-Terphenyl-d14	1.920	0	4	0	48	34	126	1.960	0	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

APPENDIX D:

WATER WELL RECORDS

Potomac-Hudson Engineering, Inc.

- *Engineers*
- *Scientists*
- *Planners*

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: (last) (first)
Address:
City: State: Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:**
Name:
Street Address:
City: Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☐ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
B1 - 13.5'		
B2 - 17.5'		
B3 - 18.5'		
B4 - 9'		
B5 - 5'		
B6 - 19'		
B7 - 13'		
B8 - 8'		
B9 - 15'		
B10 - 12.5'		
B11 - 5'		
B12 - 6'		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS: Geoprobe Simple hole Pressure Grout		

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☒ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☐ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started:
_____ ft. Date Completed:

10. CASING: ☐ Threaded ☐ Welded
Diam.: _____
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☐
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: _____ Diam.: _____
Slot/Gauge: _____ Length: _____
Set Between: _____ ft. and _____ ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☐ Yes ☐ No
Installed from _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ___ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Joseph Smith **CERT. NO.:** 1648
Address: (Print) 1508 Hwy 138 Monroe GA 30655
Level: A ☐ B ☒ C ☐ D ☐ (circle one)
Telephone No.: 770 207 9722 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 4-22-10
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) **COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)**

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: (last) (first)
Address:
City: State: Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:**
Name:
Street Address:
City: Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☑ Yes ☐ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
B 13 - 9'		
B 14 - 19'		
B 15 - 11.5'		
B 16 - 19'		
B 17 - 17.5'		
B 18 - 14.5'		
B 19 - 10.5'		
B 20 - 9'		
B 21 - 9.5'		
B 22 - 13'		
B 23 - 19'		
B 24 - 8'		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS: Geoprobe Sample hole Pressure Grout

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☒ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☐ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) _____ ft. Date Started: Date Completed:

10. CASING: ☐ Threaded ☐ Welded
Diam.: _____
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☐
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: _____ Diam.: _____
Slot/Gauge: _____ Length: _____
Set Between: _____ ft. and _____ ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☐ Yes ☐ No
Installed from _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Joseph Smith **CERT. NO.:** 1648
Address: (Print) 528 Amy 138 Monroe GA 30655
Level: A ☐ B ☒ C ☐ D ☐ (circle one)
Telephone No.: 7702079722 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Joseph Smith (Well Driller) Date: 4-22-10

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) **COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)**

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: (last) (first)
Address:
City: State: Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:**
Name:
Street Address:
City: Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☑ Yes ☐ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
B 25 - 6'		
B 26 - 14'		
B 27 - 17.5'		
B 28 - 17'		
B 29 - 14'		
B 20 - 7'		
B 31 - 13'		
B 32 - 20'		
B 33 - 20'		
B 34 - 19'		
B-35 - 18.5'		
~~B 36 - 15'~~ TC		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS: Geoprobe Sample hole
Pressure Grout

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☐ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) _____ ft. Date Started: Date Completed:

10. CASING: ☐ Threaded ☐ Welded
Diam.: _____
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☐
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: _____ Diam.: _____
Slot/Gauge: _____ Length: _____
Set Between: _____ ft. and _____ ft. **NOTE: MULTIPLE SCREENS**
_____ ft. and _____ ft. **USE SECOND SHEET**
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☐ Yes ☐ No
Installed from _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Joseph Smith **CERT. NO.:** 1648
Address: (Print) 1528 Hwy 138
Monroe Ga 30655
Level: A ☐ B ☑ C ☐ D ☐ (circle one)
Telephone No.: 770 207 9722 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ (Well Driller) Date: 4-22-10

If D Level Driller, provide supervising driller's name:

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: (last) (first)
Address:
City: State: Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:**
Name:
Street Address:
City: Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☑ Yes ☐ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
~~B 37 - 15 TC~~		
~~B 38 - 15 TC~~		
~~B 39 - 15 TC~~		
B 40 - 10'		
B-41 - 10'		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS: Geoprobe Sample hole Pressure Grout

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☐ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started:
_____ ft. Date Completed:

10. CASING: ☐ Threaded ☐ Welded
Diam.: _____
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☐
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: _____ Diam.: _____
Slot/Gauge: _____ Length: _____
Set Between: _____ ft. and _____ ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☐ Yes ☐ No
Installed from _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Joseph Smith **CERT. NO.:** 1648
Address: (Print) 1528 Hwy 138 Monroe Ga 30655
Level: A ☐ B ☑ C ☐ D ☐ (circle one)
Telephone No.: 770 207 9722 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ (Well Driller) Date: 4-22-10

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) **COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)**

TW #1

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: (last) (first)
Address:
City: State: Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:**
Name:
Street Address:
City: Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☒ Yes ☐ No
Grouted Depth: from 80 ft. to surface ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS: 6" bore hole for test well

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☐ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started:
_____ ft. Date Completed:

10. CASING: ☐ Threaded ☐ Welded
Diam.: _____
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above /Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: _____ Diam.: _____
Slot/Gauge: _____ Length: _____
Set Between: _____ ft. and _____ ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☐ Yes ☐ No
Installed from _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Tom Cook CERT. NO.: 1961
Address: (Print) 6001 Ponders CT Level: A B C D (circle one)
Greenville SC 29615
Telephone No.: 864-527-9324 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Tom Cook Date: 4-23-10
Well Driller

If D Level Driller, provide supervising driller's name:
Marty King #1089

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

TW #2

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: (last) (first)
Address:
City: State: Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:**
Name:
Street Address:
City: Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☒ Yes ☐ No
Grouted Depth: from 36 ft. to surface ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS: 6" Bore hole for 1" test well

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☐ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started:
_____ ft. Date Completed:

10. CASING: ☐ Threaded ☐ Welded
Diam.: _____
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above /Below
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: _____ Diam.: _____
Slot/Gauge: _____ Length: _____
Set Between: _____ ft. and _____ ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☐ Yes ☐ No
Installed from _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Tom Cook **CERT. NO.:** 1961
Address: (Print) 6004 Ponders CT Level: A B C (D) (circle one)
Greenville SC 29615
Telephone No.: 864-527-9324 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 4-23-10
Well Driller

If D Level Driller, provide supervising driller's name:
Marty King #1089

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

TW#3

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: (last) (first)
Address:
City: State: Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:**
Name:
Street Address:
City: Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☒ Yes ☐ No
Grouted Depth: from 36 ft. to surface ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
6" Bore Hole
1" test well

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☐ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started:
_____ ft. Date Completed:

10. CASING: ☐ Threaded ☐ Welded
Diam.: _____
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above /Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: _____ Diam.: _____
Slot/Gauge: _____ Length: _____
Set Between: _____ ft. and _____ ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☐ Yes ☐ No
Installed from _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Tom Coon **CERT. NO.:** 1961
Address: (Print) 8004 Pondees CT Level: A B C (D) (circle one)
Greenville SC 29615
Telephone No.: 864-527-9324 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Tom Coon Date: 4/23/10
Well Driller

If D Level Driller, provide supervising driller's name:
Marty Kirg #1089

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

TW#4

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: (last) (first)
Address:
City: State: Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:**
Name:
Street Address:
City: Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☒ Yes ☐ No
Grouted Depth: from 80 ft. to surface ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS: 6" Test hole

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☐ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started:
ft. Date Completed:

10. CASING: ☐ Threaded ☐ Welded
Diam.:
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
in. to ft. depth
in. to ft. depth
Height: Above /Below
Surface ft.
Weight lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: Diam.:
Slot/Gauge: Length:
Set Between: ft. and ft.
ft. and ft.
Sieve Analysis ☐ Yes (please enclose) ☐ No
NOTE: MULTIPLE SCREENS USE SECOND SHEET

12. STATIC WATER LEVEL ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
ft. after hrs. Pumping G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield:

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☐ Yes ☐ No
Installed from ft. to ft.
Effective size Uniformity Coefficient

16. WELL GROUTED? ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other
Depth: From ft. to ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
Type
Well Disinfected ☐ Yes ☐ No Type: Amount:

18. PUMP: Date installed: Not installed ☐
Mfr. Name: Model No.:
H.P. Volts Length of drop pipe ft. Capacity gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Tom Cook **CERT. NO.:** 1961
Address: (Print) 6004 Pondees CT Greenville SC 29615
Level: A B C D (circle one)
Telephone No.: 864-527-9324 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Tom Cook Date: 4-23-10
Well Driller

If D Level Driller, provide supervising driller's name:
Marty Kilg #1089

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: (last) (first)
Address:
City: State: Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:**
Name:
Street Address:
City: Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☒ Yes ☐ No
Grouted Depth: from 15 ft. to surface ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
[redacted]		
Macrocore Holes		
#36 thru 39		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☐ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started:
_____ ft. Date Completed:

10. CASING: ☐ Threaded ☐ Welded
Diam.: _____
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above /Below
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: _____ Diam.: _____
Slot/Gauge: _____ Length: _____
Set Between: _____ ft. and _____ ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☐ Yes ☐ No
Installed from _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Tom Coon **CERT. NO.:** 1961
Address: (Print) 6001 Pondees CT Level: A B C (D) (circle one)
Greenville SC 29615
Telephone No.: 864-527-9324 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Tom Coon Date: 11-23/10
Well Driller

If D Level Driller, provide supervising driller's name:
Marty King #1089

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

APPENDIX E:

WASTE DISPOSAL DOCUMENTATION

Potomac-Hudson Engineering, Inc.

- ***Engineers***
- ***Scientists***
- ***Planners***

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C E S Q G

Manifest Document No.: 0 1 6 1 7

2. Page 1 of 1

3. Generator's Name and Mailing Address
Potomac Hudson Engineering
Corner of Norn St & Spring St
Greenville, SC 29601

4. Generator's Phone (864)527-9324

5. Transporter 1 Company Name: Advanced Environmental Options, Inc

6. US EPA ID Number: S C R 0 0 0 0 7 4 5 7 5

A. State Transporter's ID

B. Transporter 1 Phone: (864) 488-9111

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Advanced Environmental Options,
25 Stan Perkins Road
Spartanburg, SC 29307

10. US EPA ID Number: S C R 0 0 0 0 7 4 5 7 5

E. State Facility's ID

F. Facility's Phone: (864) 488-9111

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON/DOT NON/RCRA Regulated Materials contains (contaminated soil) (01541)	11	D M	0 4 4 0 0	P
b.	0			
c.	0			
d.	0			

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
a) S/-
Emergency Contact : David Hitchens 864-488-9111, cell - 864-590-4648 JOB#6578

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: THOMAS A. VARNER

Signature: Thomas A Varner

Date: Month 5 Day 3 Year 10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name

Signature

Date: Month Day Year

AEO
Advanced Environmental Options, Inc.
25 Stan Perkins Road
Spartanburg, SC 29307
864-488-9811 ph 864-488-3280 fax

Waste Stream

Contaminated Soil

Profile No. PROF013214
Alternate No. Potomac Hudson Eng

GENERATOR INFORMATION

Generator Name: Potomac Hudson Engineering
Address: Corner of Norn St & Spring St
Greenville, SC 29601
County: Greenville
EPA ID No: CESQG

Contact: Joy Stugg
Telephone: (864)527-9324 Ext: Fax:
Billing Address:
Billing Contact:
Telephone: Ext:

SHIPPING INFORMATION

Non-Hazardous: x DOT Hazardous: RCRA Regulated: State Hazardous:

Shipping Name:
DOT Hazard Class: UN/NA #: Packing Group: EPA Hazard Class: ERG #: Guide Year: 2000

EPA Waste Codes NONE State Waste Codes Additional Description (Section J)

DOT Shipping Description NON/DOT NON/RCRA Regulated Materials contains (contaminated soil) (01541)

Special Handling (Section 15) S/-

CHARACTERISTICS

Reactivity	Shock Sensitive
DOT Explosive	Water Reactive
Pyrophoric	Air Reactive
Oxidizer	Acid Reactive
Cyanides	Alkaline Reactive
Sulfides	Polymerizable

Physical State: Solid
Liquid 0.00 % Solid 100.00 %
Sludge 0.00 % Gas 0.00 %
Phases/Layers: Single
Viscosity: N/A
Chlorine Content: <2 %
pH: 4.1 - 10 BTU / Lb: n/a

Density: 8.80 lbs/gal Specific Gravity: 1.05
Flash Point (F): >200 Boiling Point (F): n/a
Color/Appearance: varies
Odor: x None Mild Strong
Describe:

CONSTITUENTS

	Avg %	Min %	Max %
Contaminated Soil	100.00	100.00	100.00

OTHER COMPONENTS

PCB's	0 ppm		
Cyanides	0.00 ppm	Phenolics	0.00 ppm
Sulfides	0.00 ppm	Dioxins	0.00 ppm
Pesticides	0.00 ppm	Halogens	0.00 %

ANNUAL REPORT CODES

Source Code: Point of Measure:
Form Code: Radioactive Mixed:
Origin Code: System Code:

METALS

None TOTAL (ppm) x TCLP (mg/L)

	Avg	Min	Max		Avg	Min	Max
Antimony	0.00	0.00	0.00	Lead	0.00	0.00	0.00
Arsenic	0.00	0.00	0.00	Mercury	0.00	0.00	0.00
Barium	0.00	0.00	0.00	Nickel	0.00	0.00	0.00
Beryllium	0.00	0.00	0.00	Selenium	0.00	0.00	0.00
Cadmium	0.00	0.00	0.00	Silver	0.00	0.00	0.00
Chromium	0.00	0.00	0.00	Thallium	0.00	0.00	0.00
Copper	0.00	0.00	0.00	Zinc	0.00	0.00	0.00

REGULATORY INFORMATION

Generating Process: Clean Up

Infectious or Biological Waste? No
NRC Regulated Radioactive? No
Is this waste regulated under Subpart CC (VOC>=500ppm)? No
Spent solvent? No
Is this waste regulated as an ozone depleting substance (40 CFR part 82)? No
Does the waste contain scap metal pieces greater than 2 inches in size? No
Is this waste TSCA Regulated PCB Waste (From source >50 ppm)? No
Is this waste subject to Benzene NESHAP Regulations (D018, U019)? No
Is this waste stored in drums? Yes
Is this waste pumpable? No

Generator's Certification:

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this profile.

Generator Signature: Date: 5/3/10